

Security & Communication Solutions





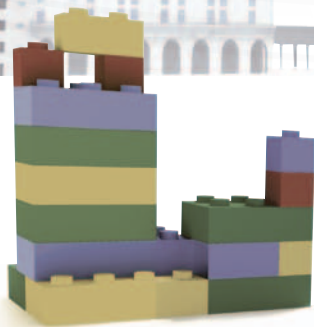
IS Series

IP Video Intercom

The scalable solution for small to enterprise systems

Building your security
one block at a time.

→ For information, go to p. 8



New for 2012!!

GT Series

Multi-Tenant Security



From Duplexes to High-Rises



The GT Series
has a solution for every budget!



→ For information, go to p. 42

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IP Intercoms

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| | | | | | | | | |
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Audio Only Intercoms

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Components & Accessories

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AIPHONE® at your SERVICE!

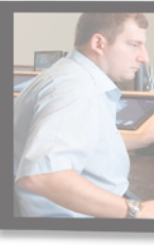
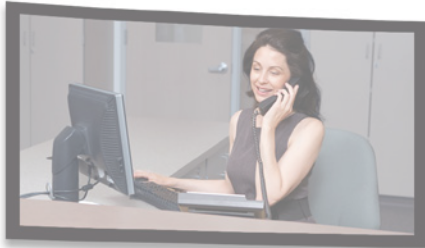
*We can assist with any system in this catalog.**

- Live Product Demonstrations
- System Design and Application Assistance
- User Training
- Brochures
- On-Site Visits
- Specifications

Contact the regional sales representative in your area! For a current list, please visit our website at www.aiphone.com/replist.

*The information in this catalog is subject to change without notice.





IP Intercoms

For Multi-Site Security

Featured IP Intercoms:



| | | | | | |
|-----------------------------------|--------------------------------------------|------------------------------|--------------------------------------------------|---------------------------------------------------|-----------|
| IP ADDRESS 32 | IS Series Local IP System | 12 | | | |
| IP ADDRESS 1,024 | IS Series Global IP System | 13 | | | |
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| <small>Max. 20 sets</small> | | | | | |
| PC ∞ | IPW-1A IP Intercom Adaptor | | | 20 | |



IS Series IP Video Intercom Controlling Security

IP Intercoms

Offsite Control

The IS Series provides the power to identify or help individuals from another location, whether it is next door, across town, or on the other side of the world.

After Hours

When a building has been locked down for the evening, it does not mean it is unoccupied. Secure the building while still being able to communicate with those who might need access or assistance.

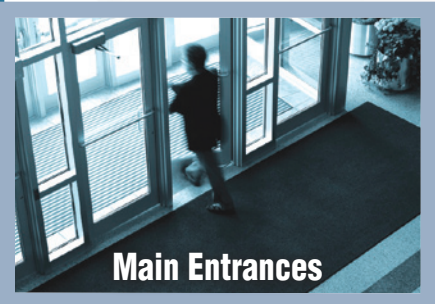
Video Identification

The IS Series video door stations feature a 170° wide angle camera with PanTilt & Zoom control, offering more flexible options for station installation and positioning.

SCHOOLS

SCHOOL DISTRICT OFFICES

CAMPUSES



Protect staff by giving them the advantage to safely confirm the identity of visitors and vendors before granting access into the building.

Broadcast messages throughout the school or to a particular classroom with the choice of either a hands-free or handset reply.

Communicate easily with offices anywhere in the world using standard or PC master stations. Avoid long distance phone charges.

LARGE CORPORATIONS

GOVERNMENT

HOSPITALS

SMALL BUSINESSES

RETAIL MALLS



Increase staff efficiency by controlling various entrances from a central location. Easily transfer responsibilities to another location or individual.



Identify and communicate with individuals at remote locations to determine if their access into the building is legitimate.

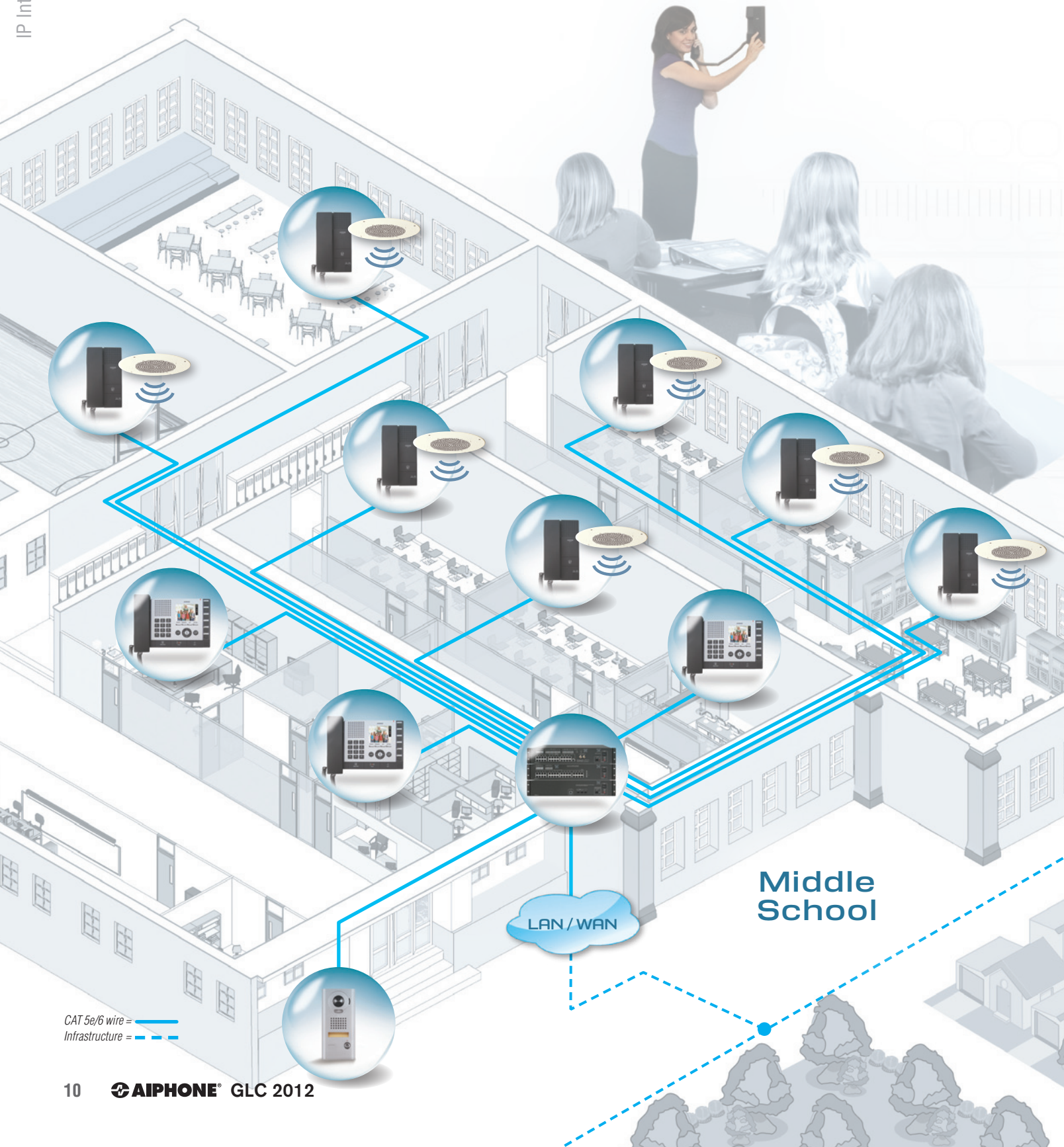




Assist visitors and monitor multiple garage entrances from remote locations during or after hours.

IS Series IP Video Intercom Building Communication

School districts, businesses or multi-building facilities can improve efficiency and decrease costs with centralized security and communication.

IP Intercoms

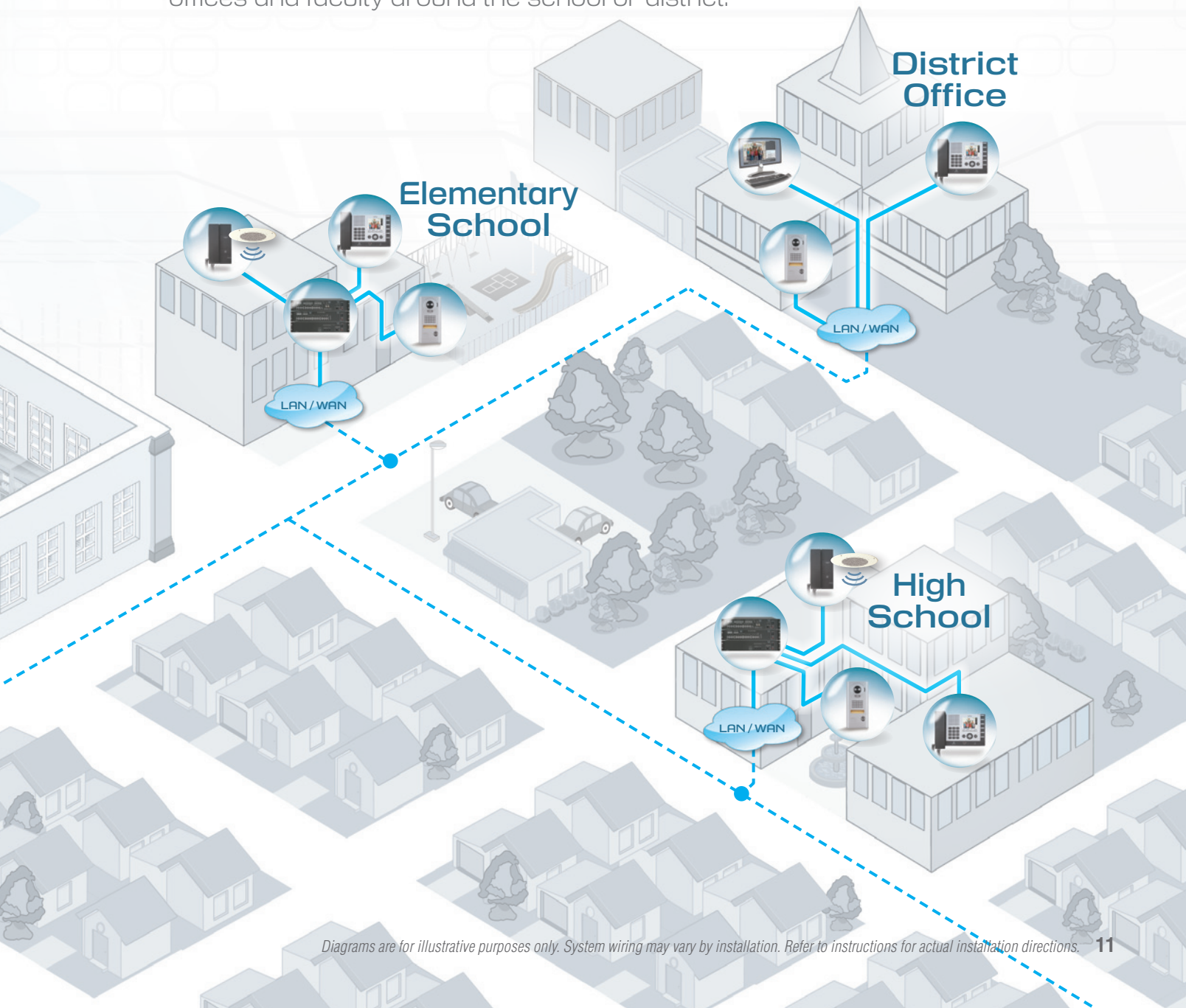


CAT 5e/6 wire = 
Infrastructure = 

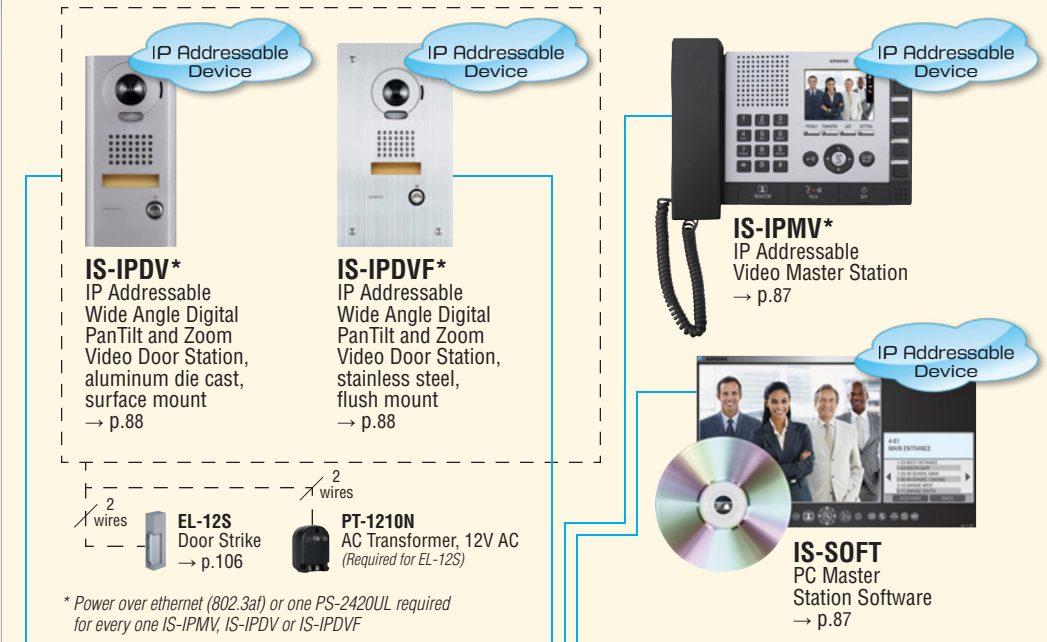
For the Educational Market:

Connect Multiple Schools within a District

- Identify visitors from one school to another**
 Install video door stations at entrances to maintain security all day on campus. Keep doors locked while safely identifying visitors.
- Announce emergencies from any office on the network**
 Should a problem arise in the community, schools may be quickly alerted to external threats, even from across town.
- Communicate with classrooms or exterior buildings**
 A room station and an overhead speaker allow for easy communication between offices and faculty around the school or district.



IP Addressable Units: MIX & MATCH up to 32 TOTAL Units



Options & Accessories

IS-MB NEW!
Mullion Mounting Bracket for IS-IPDV
→ p.93

SBX-ISDVF NEW!
Surface Mount Box for IS-IPDVF
→ p.93

LB-SDVF NEW!
Lock Box for IS-IPDV and IS-IPDVF
(Lock not included)
→ p.93

EL-12S NEW!
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106

BOXED SETS - Each boxed set uses 2 available IP addresses

Available 2nd Quarter!

ISS-IPMDV: IS-IPMV and IS-IPDV
ISS-IPMDF: IS-IPMV and IS-IPDVF
ISS-IPSWDV: IS-SOFT and IS-IPDV
ISS-IPSWDF: IS-SOFT and IS-IPDVF

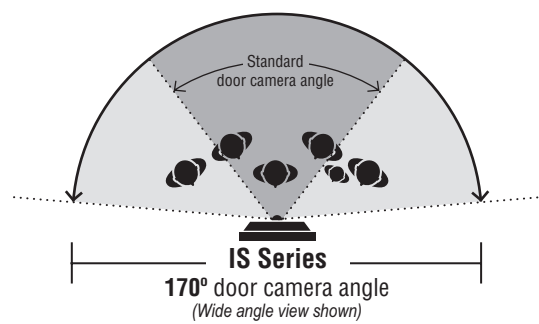
Features

for ALL IS Series Systems

- All-in-one communication system to control video entry and access control
- Uses new or existing CAT-5e / 6 network infrastructure (multicast must be enabled on the network)
- Program system functions via browser
- For Local IP and Local Hardwired Basic conversation plus full range of exchange functions including time based call forwarding, scan monitoring, emergency call, priority call, and unit paging
- IP addressable stations available for easy network communication
- PC master station records audio/video directly to PC

Camera View Area

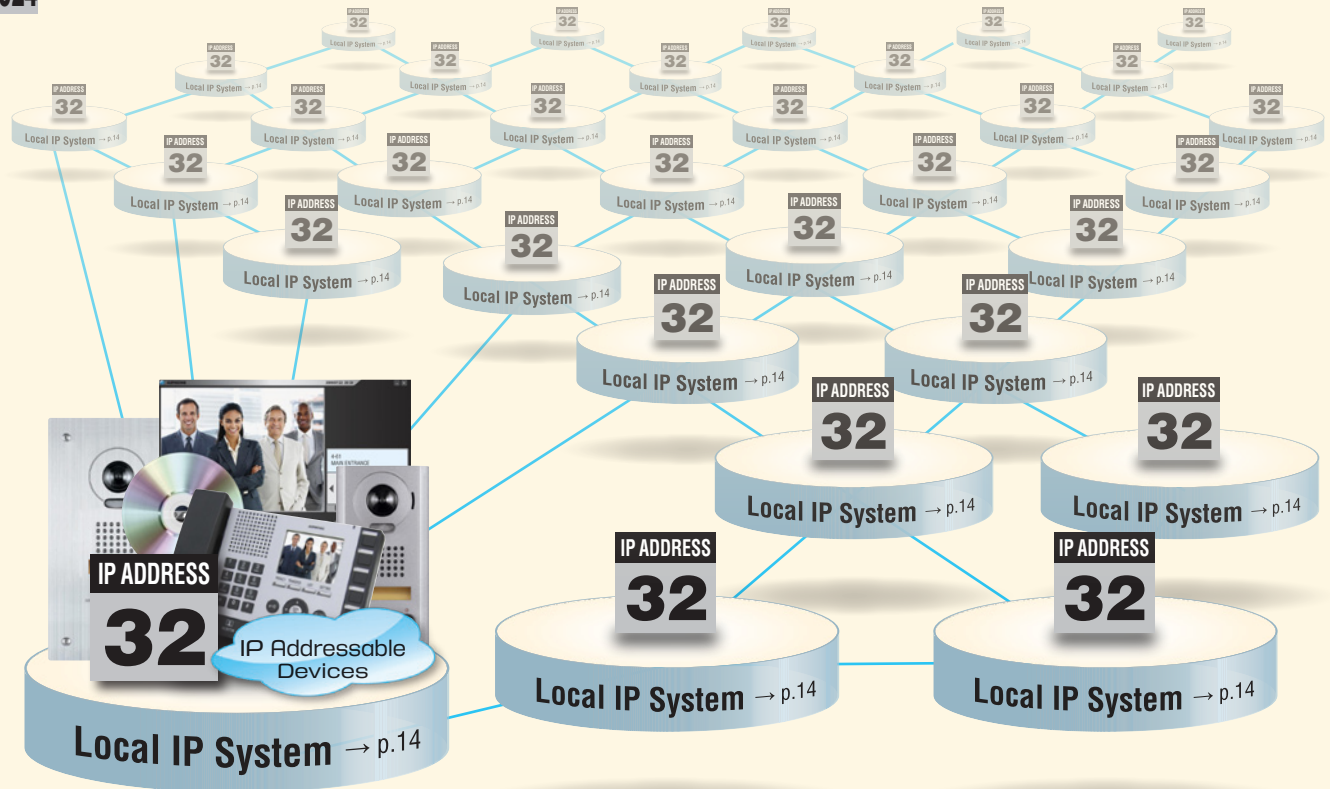
for ALL IS Series Systems



Specifications

NOTE: For specifications of the IS Series see p.13

Global IP System = Maximum 32 Local IP Systems



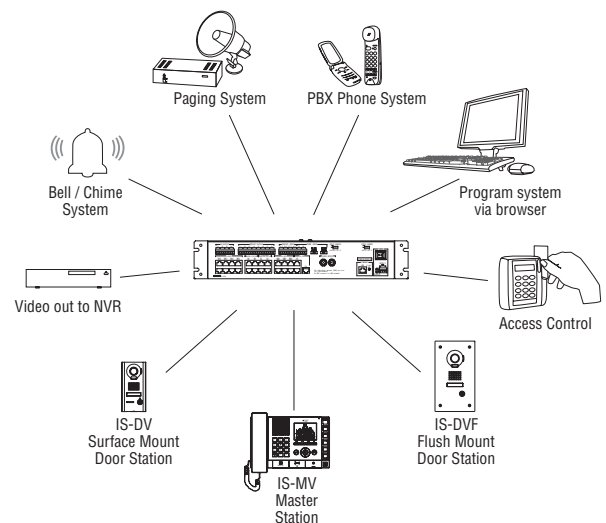
Specifications

for ALL IS Series Systems

| | |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | IS-CCU / IS-SCU / IS-RCU / IS-IPC: 48V DC - Use IS-PU-UL IS-IPDV / IS-IPDV / IS-IPMV: 24V DC - Use PS-2420UL or Power Over Ethernet (802.3af) |
| Network Interface | 10 BASE-T / 100 BASE-TX Ethernet |
| Hardware Protocols | TCP, UDP, IGMP (Multicast) |
| Bandwidth | 320Kbps to 8Mbps |
| Software | Processor 2GHz or faster, 1GB of RAM, Windows® XP, Windows® Vista (32/64 bit), Windows® 7 |
| Connections | RJ-45 (10/100Mbit Ethernet) |
| Calling | Chime, image and audio approx. 45 sec. |
| Communication | AUTOMATIC (hands-free) - to activate, momentarily push TALK button MANUAL (push-to-talk / release-to-listen) - to activate, push TALK button for at least 1 sec. or until talk LED turns on / a beep sounds |
| Video Monitor | 3-1/2" direct-view TFT color LCD |
| Min. Illumination | 5 Lux at 1' distance |
| Night Viewing | Up to 1' from camera, with white LED projected |
| Door Release | Contact rating: 24V AC/DC, 500mA Use RY-24L for larger contact rating (requires 24V DC power supply) |
| Wiring | CAT 5e / 6 |

Communication Network

for ALL IS Series Systems



Features

NOTE: For features of the IS Series see p.12


IS Series - Local Hardwired System (For Small to Medium Applications)

IP Video Intercom (To expand over a network, see p.16)


IP Intercoms

Door / Sub Stations: MIX & MATCH up to 4 TOTAL Stations per IS-CCU


DOOR/SUB 4




IS-DV
Wide Angle Digital PanTilt and Zoom Video Door Station, aluminum die cast, surface mount
→ p.88




IS-DVF
Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount
→ p.88




IS-DVF-HID
IS-DVF Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount
→ p.88




IS-DVF-HID-I
IS-DVF Door Station with an embedded HID® iClass™ Smart Card Reader, stainless steel, flush mount
→ p.88




IS-SS
Audio Only Door Station, stainless steel, flush mount
→ p.87



IS-SS-CI
Audio Only Door Station with CCTV camera input, stainless steel, flush mount
→ p.89




IS-SS-HID
IS-SS Door Station with embedded HID® ProxPoint® Plus Proximity Card Reader
→ p.88



IS-SS-HID-I
IS-SS Door Station with embedded HID® iCLASS™ Smart Card Reader
→ p.88

EL-12S Door Strike → p.106

PT-1210N AC Transformer, 12V AC (Required for EL-12S)



IS-RS Audio Only Room Sub Station → p.87

SP-2570N Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount → p.112


Output: 8Ω, 0.5 W

Door / Sub Stations: MIX & MATCH up to 8 TOTAL Stations per IS-SCU

DOOR/SUB 8

IS-DV → p.88

IS-DVF → p.88



IS-RS Audio Only Room Sub Station → p.87

IS-DVF-HID (Shown)
IS-DVF-HID-I
IS-SS-HID
IS-SS-HID-I → p.88

IS-SS → p.87

IS-SS-CI → p.89

Network / Phone Interface Unit: Max. 1 per IS-CCU

IS-IPC Network / Phone Interface Unit → p.86

IP Addressable Device

Telephone Line Transfer

CAT-5e/6 wire N/A from Aiphone (Max. 33')

IS-PU-UL Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

DOOR/SUB 4 MASTER 4

IS-CCU Central Control Unit (Maximum 4 Master and 4 Door/Sub Stations per IS-CCU) → p.86

Composite Video Output

IS-PU-UL Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

IS-SCU Add-On Central Control Unit (Maximum 8 Master and 8 Door/Sub Stations per IS-SCU) → p.86

Composite Video Output

IS-PU-UL Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

DOOR/SUB 8 MASTER 8

IS-SCU Add-On Central Control Unit (Maximum 8 Master and 8 Door/Sub Stations per IS-SCU) → p.86

Composite Video Output

DOOR/SUB 8 MASTER 8 PS

IS-SCU Add-On Central Control Unit (Maximum 8 Master and 8 Door/Sub Stations per IS-SCU) → p.86

Composite Video Output

Room Station Control Unit: Max. 4 per IS-CCU

ROOM 30

IS-RCU Room Station Control Unit (Maximum 30 Audio Only Door/Sub Stations per IS-RCU) → p.86

Composite Video Output

IS-PU-UL Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

ROOM 30 PS

IS-RCU Room Station Control Unit (Maximum 30 Audio Only Door/Sub Stations per IS-RCU) → p.86

ROOM 30 PS

IS-RCU Room Station Control Unit (Maximum 30 Audio Only Door/Sub Stations per IS-RCU) → p.86

ROOM 30 PS

IS-RCU Room Station Control Unit (Maximum 30 Audio Only Door/Sub Stations per IS-RCU) → p.86

Wiring

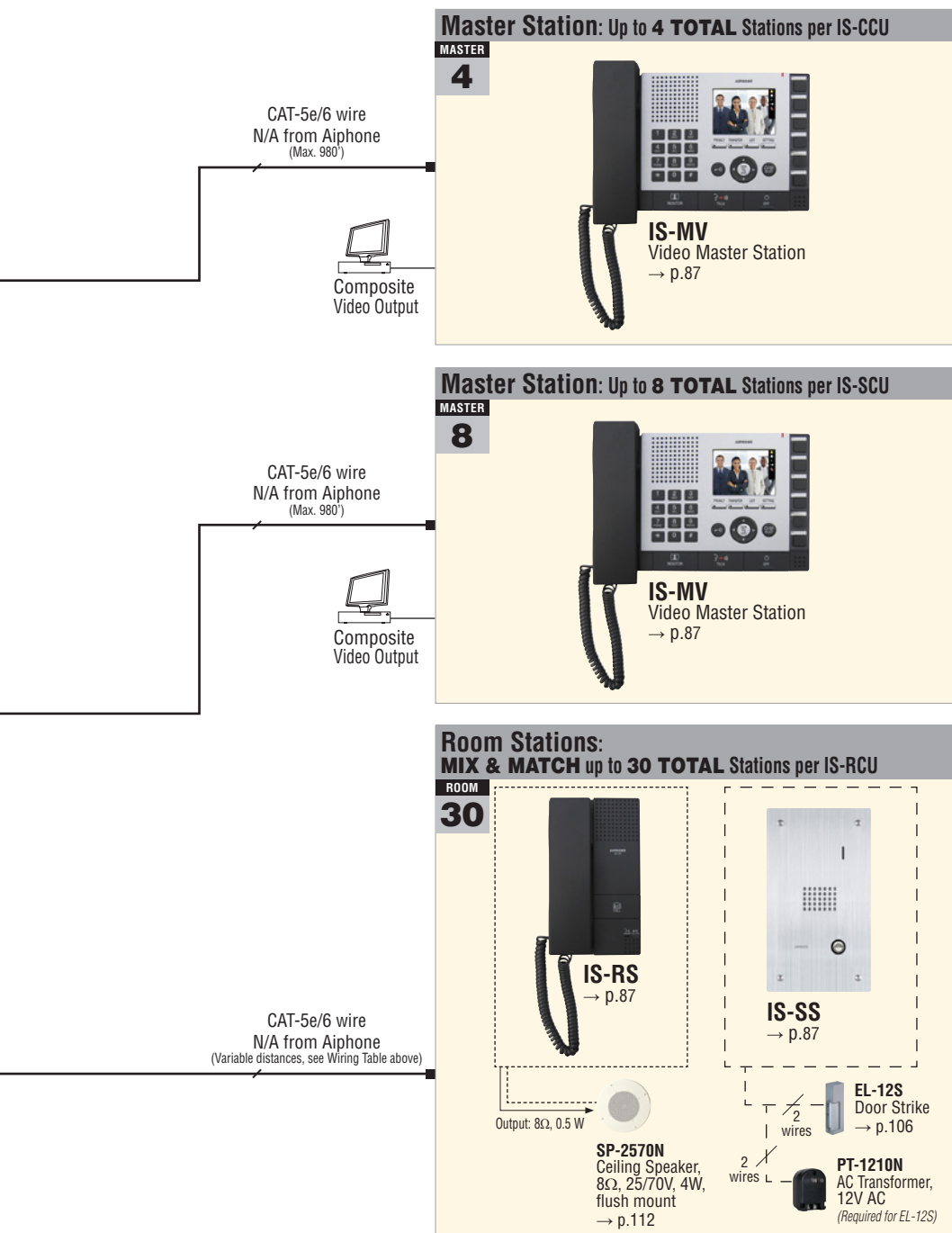
| IS Series Wiring Distance | CAT-5e / 6 wire |
|-----------------------------------------------------------|-----------------|
| Door / Sub Station to IS-CCU / IS-SCU | 980' |
| IS-MV to IS-CCU / IS-SCU | 980' |
| IS-RS to IS-CCU / IS-SCU / IS-RCU | 490' |
| IS-SS to IS-CCU / IS-SCU / IS-RCU | 980' |
| IS-SCU to IS-CCU using 3 CAT-5e/6 cables | 650' |
| IS-RCU to IS-CCU using 2 CAT-5e/6 cables | 650' |
| IS-IPC to IS-CCU / IS-RCU (x3 to IS-CCU and x2 to IS-RCU) | 33' |
| IS-IPC to network node | 330' |

Features

NOTE: For features of the IS Series see p.12

Specifications

NOTE: For specifications of the IS Series see p.13



Options & Accessories



IS-MB
Mullion Mounting
Bracket for IS-DV
→ p.93



SBX-ISDVF
Surface Mount Box
for IS-DVF and IS-SS
→ p.93



SBX-ISDVFFP
Surface Mount Box for
IS-DVF-HID, IS-DVF-HID-I,
IS-SS-HID, and IS-SS-HID-I
→ p.93



SBX-ISDVFRA
Surface Mount
Box for IS-SS-CI
→ p.93



LB-SDVF
Lock Box for IS-DV,
IS-DVF, and IS-SS
(Lock not included)
→ p.93



IS-RACK
Mounting Rack for IS-PU-UL
(For up to 3 power supplies -
shown with 1 IS-PU-UL)
→ p.86



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106

DOOR/SUB 160 MASTER 160 ROOM 960 IP ADDRESS 24

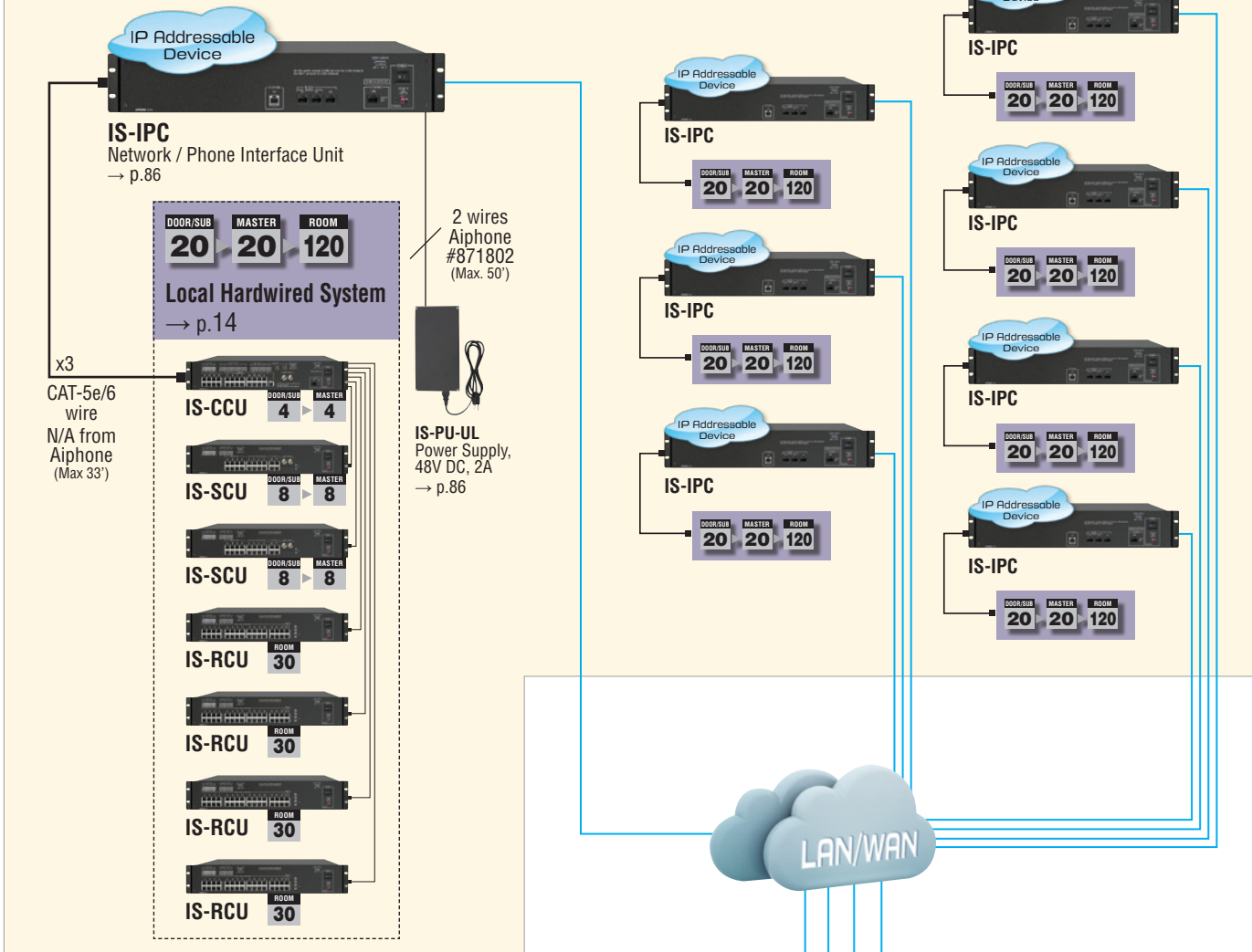
IS Series - Local Networked System (For Large, Multi-Location Applications)

IP Video Intercom

IS-IPC + Local Hardwired System

DOOR/SUB 160 MASTER 160 ROOM 960

Install up to 8 TOTAL IS-IPCs per Local Networked System

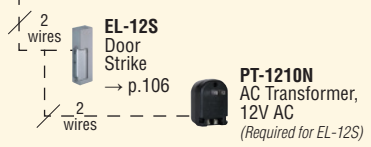


IP Addressable Units: MIX & MATCH up to 24 TOTAL Units

IP ADDRESS 24



* Power over ethernet (802.3af) or one PS-2420UL required for every one IS-IPMV, IS-IPDV or IS-IPDVF



Features

NOTE: For features of the IS Series see p.12

Specifications

NOTE: For specifications of the IS Series see p.13

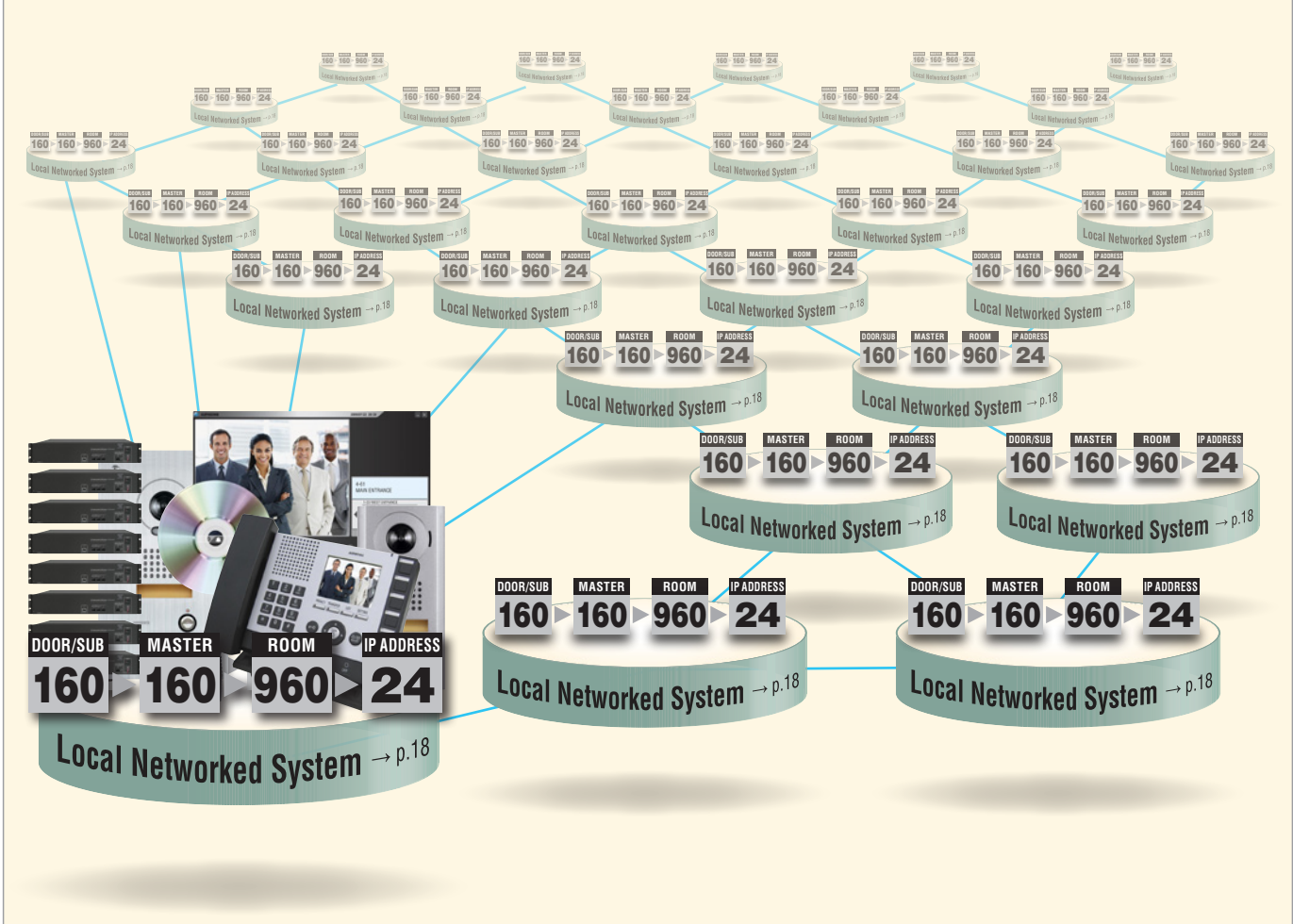
DOOR/SUB
5,120 → MASTER
5,120 → ROOM
30,720 → IP ADDRESS
768

IS Series - GLOBAL Networked System (For Enterprise Applications)

IP Video Intercom

IP Intercoms

GLOBAL Networked System = Maximum 32 Local Networked Systems

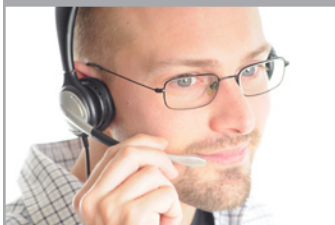


Multi-Site Rules for IS Series

- A door station can call its local site and 1 remote site
- A room station can call its local site and 1 remote site
- A master can call 1 remote site at a time
- A master can make a paging announcement to its local site and 1 other site

Technical Assistance for IS Series

For additional help, contact
Aiphone's Technical Support
800.692.0200



IP Device Tables for IS Series

When integrating IS-IPCs with IP Direct Stations

| IP Devices* | Max # per Local Site | | | Max # per Global System |
|-------------|----------------------|----|----|-------------------------|
| IS-IPC | 1 | 4 | 8 | 256 |
| IS-IPMV | 31 | 28 | 24 | 768 |
| IS-IPDV | | | | |
| IS-IPDVF | | | | |
| IS-SOFT** | | | | |

NOTE: IP Direct Station quantity is relative to the number of IS-IPCs, for a cumulative of 32 units total. Max. of 8 IS-IPCs can be used, allowing up to 24 additional IP devices.

When not using IS-IPC

| IP Devices* | Max # per Local Site | Max # per Global System |
|-------------|----------------------|-------------------------|
| IS-IPC | - | - |
| IS-IPMV | 32 | 1,024 |
| IS-IPDV | | |
| IS-IPDVF | | |
| IS-SOFT** | | |

* Total number of IP devices can not exceed 32 units per Local Networked System (Local Site) and 1,024 per Global System.
** IS-SOFT must be paired with at least one IS Series IP hardware unit (IS-IPC on a Local Hardwired System, IS-IPMV, IS-IPDV, or IS-IPDVF)

DOOR 1 INSIDE 1 PC 10

JKW-IP

IP Video Intercom Adaptor

Door Stations - Select 1 unit

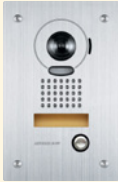
DOOR 1



JK-DA
Wide Angle Digital PanTilt and Zoom Video Door Station, plastic cover, surface mount
→ p.98



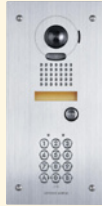
JK-DV
Wide Angle Digital PanTilt and Zoom Video Door Station, zinc die cast, surface mount
→ p.98



JK-DVF
Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount
→ p.98



JK-DVF-HID
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount
→ p.98



JK-DVF-AC
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded access keypad, stainless steel, flush mount
→ p.98

Inside Stations - Select 1 unit

INSIDE 1



JK-1MD
Master Station with video monitor



JK-1MED
Master Station with video monitor and Picture Memory

2 wires
Aiphone #871802 (Max. 330' between door station and each JKW-IP)

2 wires
EL-12S Door Strike

2 wires
PT-1210N AC Transformer, 12V AC (Required for EL-12S)

2 wires
Aiphone #871802 (Max. 33')

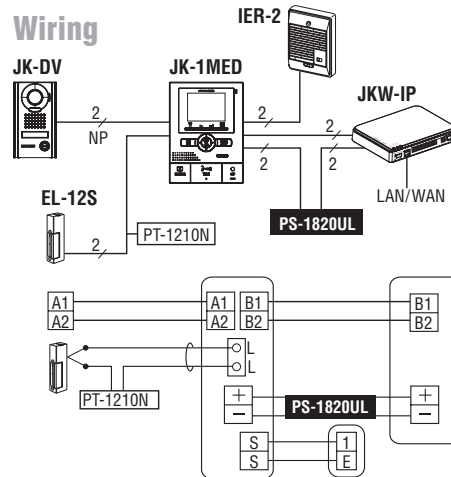
4 wires
Aiphone #871804 (Max. 330' between door station and each JKW-IP)

PS-1820UL Power Supply, 18V DC, 2A
→ p.114

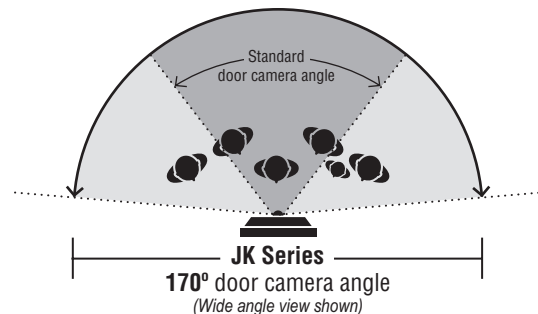
Features

- Up to 20 JK Systems can be controlled by up to 10 PCs
- Photo e-mail alerts when visitors are at the door
- Remote door release from a PC
- Notification e-mail when an alarm is triggered
- Easy install! Free software included!
- Use PC to control door station camera
- 4 inputs to notify PC of events such as fire, alarm, motion detection
- 1 output to control a secondary device like a light, gate or additional door
- Compact, attractive master station design complements most interiors
- Hands-free (VOX) or push-to-talk (PTT) communication
- High resolution color TFT LCD monitor
- Includes single N/O door release contact
- Wide angle camera allows user to view up to 170° of the entire entry
- Camera view features digital PanTilt and zoom
- Entry can be monitored without alerting visitors they are being viewed, even at night
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination

Wiring



Camera View Area

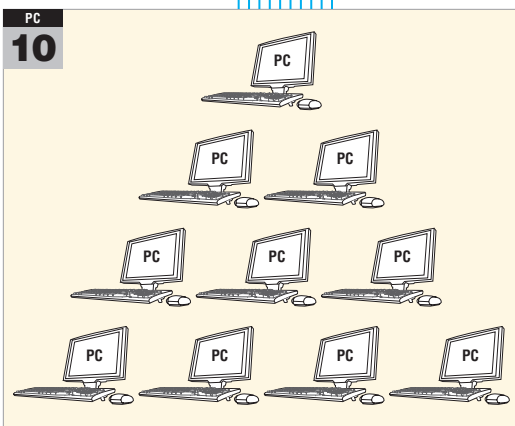


Network Adaptor (required)



JKW-IP
Network Adaptor
(Includes computer software.
One JKW-IP per master
station. UP to 20 JKW-IPs
may be used per system)

IP Addressable
Device



Options & Accessories



AC-10S
Access Control Keypad,
die cast to match JK-DV
→ p.107



KAW-D
30° Angle Box
for JK-DA
→ p.105



MKW-P
1-Gang Mounting
Plate for JK-DV
→ p.116



KMB-45
Mullion Mounting
Bracket for JK-DA
→ p.105



JK-MB
Mullion Mounting
Bracket for JK-DV
→ p.105



SBX-LSE
Security Lock Box for JK-DV
and JK-DVF
(Lock not included)
→ p.105



SBX-LSP
Security Lock Box for
JK-DVF-HID
→ p.105



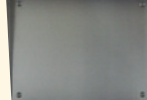
SBX-DV30
30° Angle Box
for JK-DV
→ p.105



SBX-DVF
Surface Mount
Box for JK-DVF
→ p.104



SBX-DVF-P
Surface Mount
Box for
JK-DVF-HID
→ p.104



SBX-ACE
Surface Mount
Box for intercom
and access
control device
→ p.103



JKW-BA
Long Distance
Door Station
Adaptor
→ p.108



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106



RY-18L
Form C Door
Release Relay
→ p.107



IER-2
Call Extension
Speaker
→ p.106



RY-ES
External
Signaling
Relay
→ p.108



MCW-S/A
Monitor
Desk Stand
→ p.116

BOXED SETS



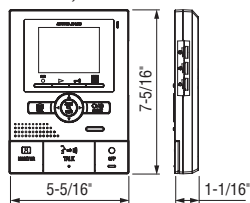
JKS-IPED: JK-1MED, JK-DA, JKW-IP, software, and power supply

JKS-IPEV: JK-1MED, JK-DV, JKW-IP, software, and power supply

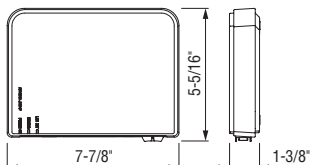
JKS-IPEF: JK-1MED, JK-DVF, JKW-IP, software, and power supply

Unit Dimensions

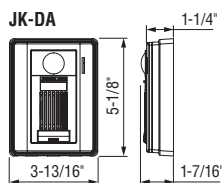
JK-1MD, JK-1MED



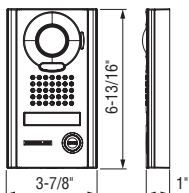
JKW-IP



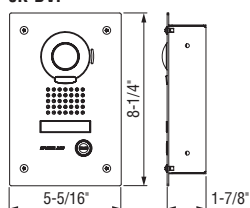
JK-DA



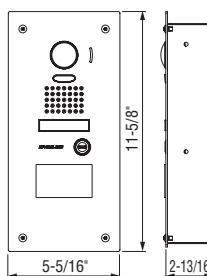
JK-DV



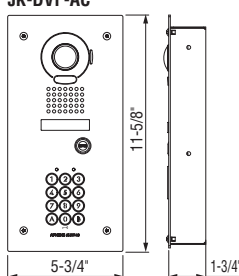
JK-DVF



JK-DVF-HID



JK-DVF-AC



Specifications

| | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | 18V DC - Use PS-1820UL |
| Network | Interface: 10 BASE-T / 100 BASE-TX Ethernet Protocol: TCP, UDP |
| Bandwidth | 320K to 8Mbps (per JKW-IP) |
| Software | Processor 1GHz or faster, 256MB of RAM, Windows® XP or Windows® Vista (32/64 bit) |
| Connections | RJ-45 (10/100Mbit Ethernet) |
| Calling | Chime, image and audio approx. 45 sec. |
| Communication | AUTOMATIC (hands-free) - to activate, push TALK button MANUAL (push-to-talk / release-to-listen) - to activate, push TALK button for at least 1 sec. or until talk LED turns on / a beep sounds |
| Video Monitor | 3-1/2" direct-view TFT color LCD |
| Min. Illumination | 5 Lux at 1' distance |
| Night Viewing | Up to 1' from camera, with white LED projected |
| Door Release | Contact rating: 24V AC/DC, 500mA Use RY-18L for larger contact rating |
| Wiring | Door to master: 2-cond., mid cap, solid, non-shielded Master to JKW-IP: 4-cond., mid cap, solid, non-shielded |
| Distance | Door to each JKW-IP: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to Master: Aiphone #871802 Master to JKW-IP: Aiphone #871804 |

PC IPW-1A

IP Intercom Adaptor

Door Stations - Select 1 unit



AX-DM
Door Station, plastic cover, mullion surface mount
→ p.95



IF-DA
Door Station, plastic cover, surface mount
→ p.100



IE-JA
Door Station, stainless steel faceplate, flush mount
→ p.100




IE-SS/A
Door Station, vandal resistant, stainless steel, flush mount
→ p.100




IE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount
→ p.100

IP Network Adaptor




IPW-1A
IP Intercom Adaptor. Includes power supply and computer software (One IPW-1A per door station)


2 wires Aiphone #822202 (Max. 387')
2 wires Aiphone #822202 (Max. 180')




EL-12S
Door Strike




PT-1210N
AC Transformer, 12V AC
(Required for EL-12S)



PT-1211C
AC Transformer, 15V AC, 2A
→ p.114




LAN/WAN




Infinite amount of PCs


Options & Accessories




HID-SS
Accessory Station with an Embedded HID® Proximity Card Reader
→ p.107



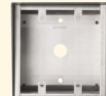
ICP-BR
Brass Faceplate for IE-JA
→ p.106




ICP-AB
Antique Brass Faceplate for IE-JA
→ p.106



SBX-2BV
Vertical Mount Box for HID-SS and IE-JA, IE-SS/A, or IE-SSR (Horizontal mount also available - SBX-2BH)
→ p.103



SBX-2G
Surface Mount Box for IE-JA, IE-SS/A, or IE-SSR
→ p.103



EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106

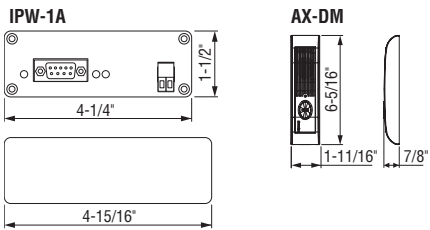
Features

- Allows an IE Series / AX-DM door station to remotely communicate with any amount of PC's within a LAN/WAN network
- Cost-effective multi-PC based communication
- Works with standard wired and wireless TCP/IP networks (LAN/WAN)
- Digital audio recording and playback capability
- Relay output for remote release (N/O or N/C)
- May be used for public announcements and emergency notifications
- PC Software included*

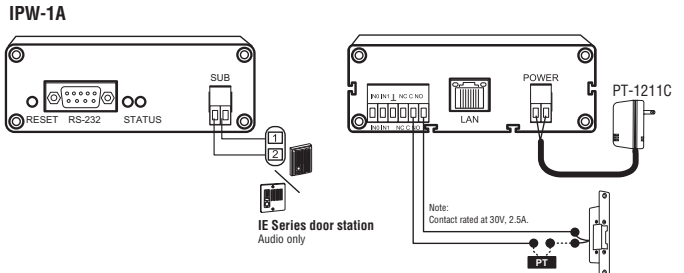
*Recommended: Microsoft Windows® XP(SP2), Windows® Vista, 1GHz or faster processor, 256MB of RAM, 50MB available hard drive, Windows® supported sound card

Unit Dimensions

NOTE: For unit dimensions of the IE Series door stations see p.100



Wiring



Specifications

| | |
|-----------------------|----------------------------------------------------------------------------------------------|
| Power Source | 16-30V DC/15-24V AC - Use Aiphone PT-1211C (included) |
| Network Interface | 10/100 Base-T Ethernet (Auto detection) RJ-45 |
| IP Assignment | Static or Dynamic |
| Hardware Protocols | TCP, UDP, DHCP, SNMP, AutoIP, SonicIP, Ipzator |
| Transport Bandwidth | ≈128Kbps per active session (normal mode) ≈64Kbps per active session (low bandwidth mode) |
| Relay Contact Rating | 30V DC / 2.5A (resistive) |
| Operating Temperature | 32°F to 104°F (0°C to 40°C) |

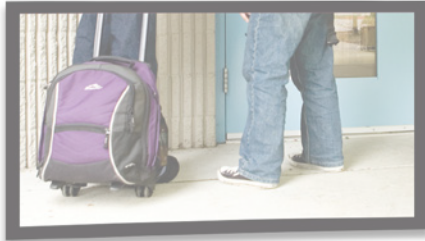
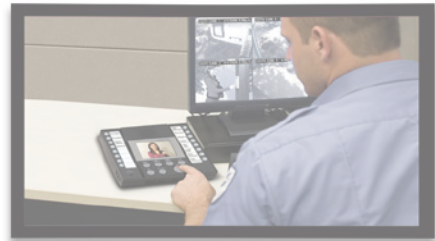


Online Training Courses

*Expand your knowledge
to increase profits!*

Aiphone's Online Training Courses keep you up to date on our latest products, including the IS Series IP Video Intercom. Each training course provides useful tips on how to sell the intercom system, helping to grow your business.

- **Hints of where to sell Aiphone systems**
Sales courses divulge new concepts about where Aiphone fits in the security market.
- **The ins and outs of installation**
Technicians can get information on how to easily install Aiphone products and avoid common issues.
- **Online training available 24 / 7 / 365**
No matter how busy your schedule, our online courses are ready when you are available.
- **Learn at your own pace**
Courses allow you to start and stop as much as you like. Resume right where you left off or start from the beginning.
- **Interactive courses will keep you engaged**
Multi-media throughout the course keeps you engaged while learning assessments and a final course test ensure information is retained.
- **One year access to purchased courses**
Take the course as many times as you like or use as a reference tool at no additional cost.
- **Proof of course completion**
At the end of each course, a site-generated certificate can be printed as proof of completion.



Video Intercoms

For Visitor Identification

Featured Video Intercoms:




| | | | | | | |
|-------------------------------|----------|----------------------------|----------------------------------------------------------------|---------------------------|---------------------------------------------------------|-----------|
| DOOR/SUB 20 | ▶ | MASTER 20 | ▶ | ROOM 120 | IS Series Local Hardwired System | 24 |
| DOOR/SUB 20 | ▶ | MASTER 20 | ▶ | ROOM 120 | IS Series Rescue Assistance System | 26 |
| DOOR 1 | ▶ | INSIDE 2 | JK Series Hands-free Video with PanTilt & Zoom | | | 28 |
| DOOR 2 | ▶ | INSIDE 3 | JF Series Hands-free Video | | | 30 |
| DOOR 2 | ▶ | CCTV 2 | ▶ | INSIDE 3 | JA Series Hands-free Video with PanTilt | 32 |
| DOOR/SUB 120 | ▶ | INSIDE 8 | AX Series Integratable Audio/Video Security | | | 34 |
| DOOR 3 | ▶ | INSIDE 5 | KB Series Video Entry with Tilt | | | 36 |
| DOOR 1 | ▶ | INSIDE 1 | KCS-1ARD Video Entry with Tilt Set | | | 38 |
| DOOR 1 | ▶ | INSIDE 3 | KC Series Video Entry with Tilt | | | 39 |




Door / Sub Stations: MIX & MATCH up to 4 TOTAL Stations per IS-CCU


DOOR/SUB 4




IS-DV
Wide Angle Digital PanTilt and Zoom Video Door Station, aluminum die cast, surface mount
→ p.88




IS-DVF
Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount
→ p.88




IS-DVF-HID
IS-DVF Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount
→ p.88




IS-DVF-HID-I
IS-DVF Door Station with an embedded HID® iClass™ Smart Card Reader, stainless steel, flush mount
→ p.88




IS-SS
Audio Only Door Station, stainless steel, flush mount
→ p.87




IS-SS-CI
Audio Only Door Station with CCTV camera input, stainless steel, flush mount
→ p.89




IS-SS-HID
IS-SS Door Station with embedded HID® ProxPoint® Plus Proximity Card Reader
→ p.88




IS-SS-HID-I
IS-SS Door Station with embedded HID® iCLASS™ Smart Card Reader
→ p.88




EL-12S
Door Strike
→ p.106



PT-1210N
AC Transformer, 12V AC
(Required for EL-12S)



IS-RS
Audio Only Room Sub Station
→ p.87




SP-2570N
Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount
→ p.112

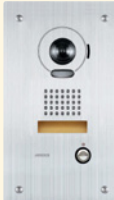
Output: 8Ω, 0.5 W

Door / Sub Stations: MIX & MATCH up to 8 TOTAL Stations per IS-SCU


DOOR/SUB 8



IS-DV
→ p.88




IS-DVF
→ p.88




IS-DVF-HID (Shown)
IS-DVF-HID-I
IS-SS-HID
IS-SS-HID-I
→ p.88

IS-SS
→ p.87


IS-SS-CI
→ p.89




EL-12S
Door Strike
→ p.106



PT-1210N
AC Transformer, 12V AC
(Required for EL-12S)

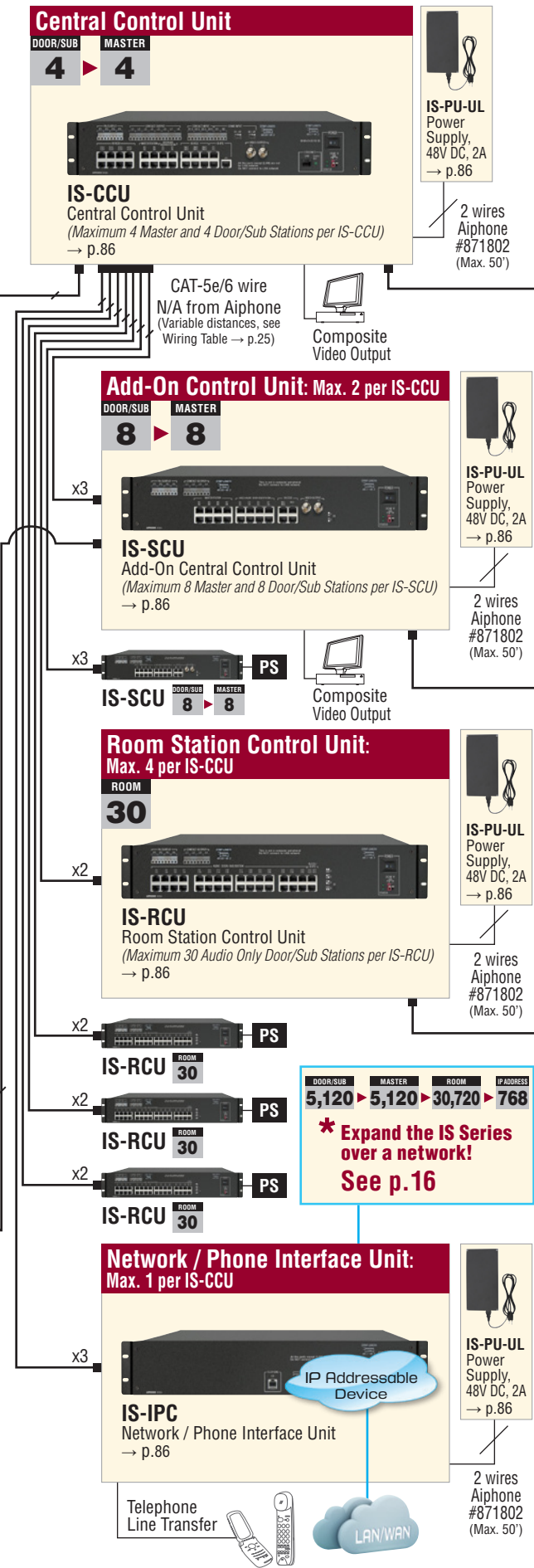


IS-RS
Audio Only Room Sub Station
→ p.87



SP-2570N
Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount
→ p.112

Output: 8Ω, 0.5 W



Master Station: Up to 4 TOTAL Stations per IS-CCU

MASTER
4

CAT-5e/6 wire
N/A from Aiphone
(Max. 980')



IS-MV
Video Master Station
→ p.87

Master Station: Up to 8 TOTAL Stations per IS-CCU

MASTER
8

CAT-5e/6 wire
N/A from Aiphone
(Max. 980')



IS-MV
Video Master Station
→ p.87

**Room Stations:
MIX & MATCH up to 30 TOTAL Stations per IS-RCU**

ROOM
30

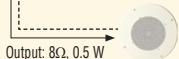
CAT-5e/6 wire
N/A from Aiphone
(Variable distances, see Wiring Table below)



IS-RS
→ p.87



IS-SS
→ p.87



SP-2570N
Ceiling Speaker,
8Ω, 25/70V, 4W,
flush mount
→ p.112



EL-12S
Door Strike
→ p.106



PT-1210N
AC Transformer,
12V AC
(Required for EL-12S)

Options & Accessories



IS-MB
Mullion Mounting
Bracket for IS-DV
→ p.93



SBX-ISDVF
Surface Mount Box
for IS-DVF and IS-SS
→ p.93



SBX-ISDVF
Surface Mount Box for
IS-DVF-HID, IS-DVF-HID-I,
IS-SS-HID, and IS-SS-HID-I
→ p.93



SBX-ISDVFRA
Surface Mount
Box for IS-SS-CI
→ p.93



LB-SDVF
Lock Box for IS-DV,
IS-DVF, and IS-SS
(Lock not included)
→ p.93



IS-RACK
Mounting Rack for IS-PU-UL
(For up to 3 power supplies -
shown with 1 IS-PU-UL)
→ p.86



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106

Wiring

| IS Series Wiring Distance | CAT-5e / 6 wire |
|-----------------------------------------------------------|-----------------|
| Door / Sub Station to IS-CCU / IS-SCU | 980' |
| IS-MV to IS-CCU / IS-SCU | 980' |
| IS-RS to IS-CCU / IS-SCU / IS-RCU | 490' |
| IS-SS to IS-CCU / IS-SCU / IS-RCU | 980' |
| IS-SCU to IS-CCU using 3 CAT-5e/6 cables | 650' |
| IS-RCU to IS-CCU using 2 CAT-5e/6 cables | 650' |
| IS-IPC to IS-CCU / IS-RCU (x3 to IS-CCU and x2 to IS-RCU) | 33' |
| IS-IPC to network node | 330' |

Features

NOTE: For features of the IS Series see p.12

Specifications

NOTE: For specifications of the IS Series see p.13

Wall Mounts & Towers



IS-WBCA*
ADA Compliant Wall Box with Light Cage, Beacon, and "ASSISTANCE" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92



IS-WBHA*
ADA Compliant Wall Box with Light Hood, Beacon, and "ASSISTANCE" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92

& IS-WBCE*
ADA Compliant Wall Box with Light Cage, Beacon, and "EMERGENCY" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92

& IS-WBHE*
ADA Compliant Wall Box with Light Hood, Beacon, and "EMERGENCY" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92



Modular Towers*
Modular tower design provides lower freight costs, easy assembly, and a variety of configurations and colors using any IS Series Rescue Assistance Station, zinc treatment, powder-coated exterior, freestanding
→ p.90

NEW!

*POWER SUPPLY REQUIRED WHEN INSTALLING STROBE LIGHT WITH WALL BOX OR TOWER
2 wires - Aiphone #871802 (Max. 980')

PS-2420UL
Power Supply, 24V DC, 2A
→ p.114

RA Stations: MIX & MATCH up to 4 TOTAL Stations per IS-CCU

DOOR/SUB
4



IS-DVF-2RA
ADA Compliant Rescue Assistance Station with Wide Angle Digital PanTilt and Zoom Video, lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, stainless steel, flush mount
→ p.89



IS-SS-2RA
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, CCTV input, stainless steel, flush mount
→ p.89



IS-SS-RA
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, single call button, 2 form C relay outputs, CCTV input, stainless steel, flush mount
→ p.89

IS-SS-2RA-R
→ p.89

IS-SS-RA-R
→ p.89

RA Stations: MIX & MATCH up to 8 TOTAL Stations per IS-SCU

DOOR/SUB
8



IS-DVF-2RA
→ p.89



IS-SS-2RA
→ p.89



IS-SS-RA
→ p.89

IS-SS-2RA-R
→ p.89

IS-SS-RA-R
→ p.89

RA Stations: MIX & MATCH up to 30 TOTAL Stations per IS-RCU

DOOR/SUB
30



IS-SS-2RA-R
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, stainless steel, flush mount
→ p.89



IS-SS-RA-R
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, single call button, 2 form C relay outputs, stainless steel, flush mount
→ p.89

Features

NOTE: For features of the IS Series see p.12

Specifications


NOTE: For specifications of the IS Series see p.13

Central Control Unit

DOOR/SUB 4 **MASTER** 4



IS-CCU
Central Control Unit
(Maximum 4 Master and 4 Door/Sub Stations per IS-CCU)
→ p.86



IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')

Master Station: Up to 4 TOTAL Stations per IS-CCU

MASTER 4



IS-MV
Video Master Station
→ p.87

CAT-5e/6 wire
N/A from Aiphone
(Variable distances, see
Wiring Table → p.25)


Composite
Video Output

Add-On Control Unit: Max. 2 per IS-CCU

DOOR/SUB 8 **MASTER** 8



IS-SCU
Add-On Central Control Unit
(Maximum 8 Master and 8 Door/Sub Stations per IS-SCU)
→ p.86



IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')

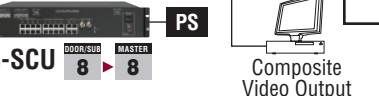
Master Station: Up to 8 TOTAL Stations per IS-SCU

MASTER 8



IS-MV
Video Master Station
→ p.87

x3



IS-SCU **DOOR/SUB** 8 **MASTER** 8

PS


Composite
Video Output

Room Station Control Unit: Max. 4 per IS-CCU

ROOM 30




IS-RCU
Room Station Control Unit
(Maximum 30 Audio Only Door/Sub Stations per IS-RCU)
→ p.86



IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')


x2



IS-RCU **ROOM** 30

PS


x2



IS-RCU **ROOM** 30


PS

x2



IS-RCU **ROOM** 30

PS



IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')

Network / Phone Interface Unit: Max. 1 per IS-CCU

x3



IS-IPC*
Network / Phone Interface Unit
→ p.86

* Recommended only for telephone
line transfer with RA applications

Telephone
Line Transfer



Options & Accessories



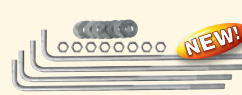
SBX-ISDVFRA
Surface Mount Box
for IS-DVF-2RA,
IS-SS-2RA,
IS-SS-2RA-R,
IS-SS-RA, and
IS-SS-RA-R
→ p.93



IS-IFB
Interface Box for
mounting IS Series
Rescue Assistance Door
Stations to existing Code
Blue® or Talk-A-Phone®
Towers and Wall Boxes
→ p.93



IS-RACK
Mounting Rack
for IS-PU-UL
(For up to 3 power
supplies - shown
with 1 IS-PU-UL)
→ p.86



TW-MKL
L-Bolt Mounting
Kit for IS Series
Modular Towers
→ p.91

Wiring


| IS Series Wiring Distance | CAT-5e / 6 wire |
|---------------------------------------------------------------------------------|-----------------|
| IS-DVF-2RA / IS-SS-2RA / IS-SS-2RA-R / IS-SS-RA / IS-SS-RA-R to IS-CCU / IS-SCU | 980' |
| IS-MV to IS-CCU / IS-SCU | 980' |
| IS-SS-2RA-R / IS-SS-RA-R to IS-RCU | 980' |
| IS-CCU to IS-SCU using 3 CAT-5e/6 cables | 650' |
| IS-CCU to IS-RCU using 2 CAT-5e/6 cables | 650' |

JK Series


Hands-free Video with PanTilt & Zoom

Door Stations - Select 1 unit

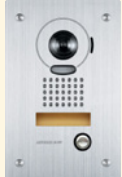
DOOR
1




JK-DA
Wide Angle Digital PanTilt and Zoom Video Door Station, plastic cover, surface mount
→ p.98



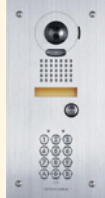
JK-DV
Wide Angle Digital PanTilt and Zoom Video Door Station, zinc die cast, surface mount
→ p.98



JK-DVF
Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount
→ p.98




JK-DVF-HID
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount
→ p.98




JK-DVF-AC
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded access keypad, stainless steel, flush mount
→ p.98

Inside Stations - Select 1 unit


INSIDE
1



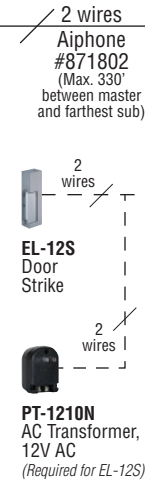
JK-1MD
Master Station with video monitor



JK-1MED
Master Station with video monitor and Picture Memory



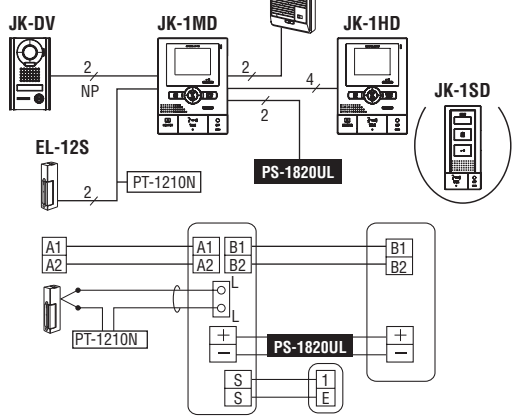
PS-1820UL
Power Supply, 18V DC, 2A
→ p.114



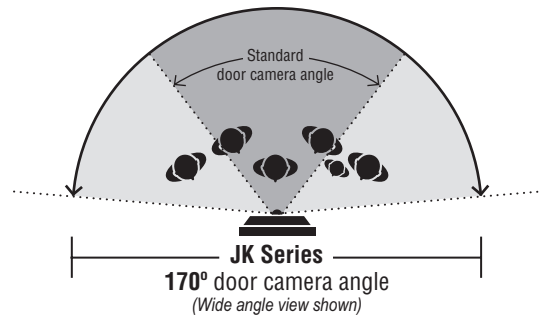
Features

- Quick and easy to install - Only 2 wires!
- No handset to pick up
- Compact, attractive design complements most interiors
- Hands-free (VOX) or push-to-talk (PTT) communication
- High resolution color TFT LCD monitor
- Includes single N/O door release contact
- Camera station can be monitored from inside
- All monitors turn on when camera station calls in
- Wide angle camera allows user to view up to 170° of the entire entry
- Camera view features digital PanTilt and zoom
- Entry can be monitored without alerting visitors they are being viewed, even at night
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination
- Picture memory records up to 240 images in both wide angle or preset zoom view (JK-1MED only)
- Video out to DVR via supplied connector
- Can go online using the JKW-IP Video Intercom Adaptor

Wiring

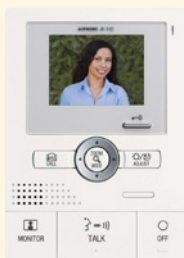


Camera View Area

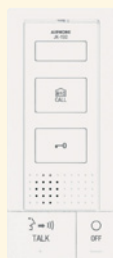


Inside Stations - Select 1 unit (optional)

INSIDE
2



JK-1HD
Sub Master Station with video monitor



JK-1SD
Audio Only Sub Master Station

Options & Accessories



AC-10S
Access Control Keypad, die cast to match JK-DV
→ p.107



KAW-D
30° Angle Box for JK-DA
→ p.105



MKW-P
1-Gang Mounting Plate for JK-DV
→ p.116



KMB-45
Mullion Mounting Bracket for JK-DA
→ p.105



JK-MB
Mullion Mounting Bracket for JK-DV
→ p.105



SBX-LSE
Security Lock Box for JK-DV and JK-DVF (Lock not included)
→ p.105



SBX-LSP
Security Lock Box for JK-DVF-HID
→ p.105



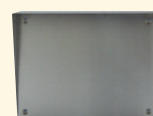
SBX-DV30
30° Angle Box for JK-DV
→ p.105



SBX-DVF
Surface Mount Box for JK-DVF
→ p.104



SBX-DVF-P
Surface Mount Box for JK-DVF-HID
→ p.104



SBX-ACE
Surface Mount Box for intercom and access control device
→ p.103



JKW-IP
IP Video Intercom Adaptor
→ p.19



JKW-BA
Long Distance Door Station Adaptor
→ p.108



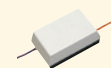
EL-12S
Electric Door Strike, 12V AC/DC, 200mA (Requires PT-1210N)
→ p.106



RY-18L
Form C Door Release Relay
→ p.107



IER-2
Call Extension Speaker
→ p.106



RY-ES
External Signaling Relay
→ p.108



MCW-S/A
Monitor Desk Stand
→ p.116

BOXED SETS



JKS-1AD: JK-1MD, JK-DA, and power supply

JKS-1AED: JK-1MED, JK-DA, and power supply

JKS-1ADV: JK-1MD, JK-DV, and power supply

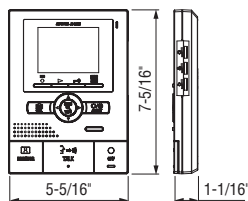
JKS-1AEDV: JK-1MED, JK-DV, and power supply

JKS-1ADF: JK-1MD, JK-DVF, and power supply

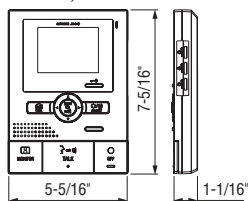
JKS-1AEDF: JK-1MED, JK-DVF, and power supply

Unit Dimensions

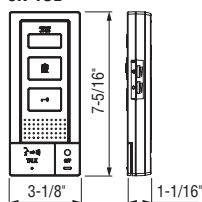
JK-1MED



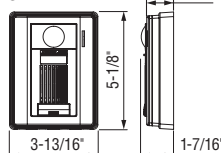
JK-1MD, JK-1HD



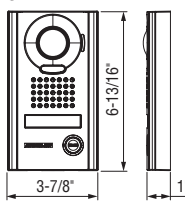
JK-1SD



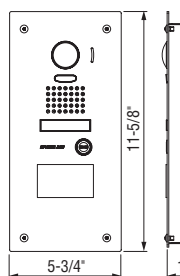
JK-DA



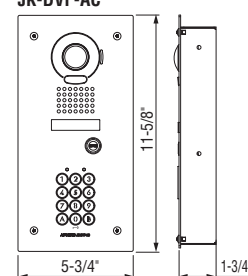
JK-DV



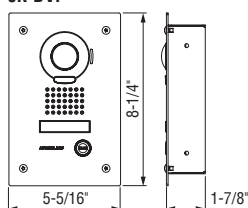
JK-DVF-HID



JK-DVF-AC



JK-DVF



Specifications


- Power Source** 18V DC - Use PS-1820UL
- Calling** Chime, image and audio approx. 45 sec.
- Communication** AUTOMATIC (hands-free) - to activate, momentarily push TALK button
MANUAL (push-to-talk / release-to-listen) - to activate, push TALK button for at least 1 sec. or until talk LED turns on / a beep sounds
- Video Monitor** 3-1/2" direct-view TFT color LCD
- Scanning Line** 525 lines
- Min. Illumination** 5 Lux at 1' distance
- Night Viewing** 5 Lux at 1' with LED projected
- Picture Memory** Record max. 240 images (40 image sequences at 6 frames per sequence), save max. 10 recorded pictures
- Door Release** Contact rating: 24V AC/DC, 500mA
Use RY-18L for larger contact rating
- Wiring** Door to master: 2-cond., mid cap, solid, non-shielded
Master to sub: 4-cond., mid cap, solid, non-shielded
- Distance** Door to farthest master/sub master: 165'(22AWG) 330'(18AWG)
Master to IER-2: 245'(22AWG) 490'(18AWG)
- Wire Type** Master to door: Aiphone #871802
Between masters/subs: Aiphone #871804

JF Series


Hands-free Video

Door Stations - Select 1 unit


DOOR 1




JF-DA
Fixed Video Door Station,
plastic cover, surface mount
→ p.97




JF-DV
Fixed Video Door Station,
zinc die cast, surface mount
→ p.97



JF-DVF
Fixed Video Door Station,
stainless steel, flush mount
→ p.97



JF-DVF-HID
Fixed Video Door Station
with an embedded HID®
ProxPoint® Plus Proximity
Card Reader, stainless
steel, flush mount
→ p.97



JF-DVF-HID-I
Fixed Video Door Station
with an embedded HID®
iCLASS™ Smart Card
Reader, stainless steel,
flush mount
→ p.97

Door Stations - Select 1 unit (optional)

DOOR 2



JF-DA
→ p.97



JF-DV
→ p.97



JF-DVF
→ p.97



JF-DVF-HID
→ p.97



JF-DVF-HID-I
→ p.97



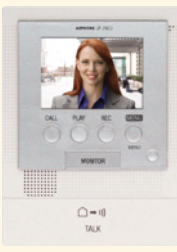
JF-D
Audio Only Door Station,
plastic cover, surface mount
→ p.99



JBW-M
CCTV Input Module
→ p.109

Inside Station

INSIDE 1




JF-2MED
Master Station with
video monitor and
Picture Memory

2 wires Aiphone #871802 (Max. 330')

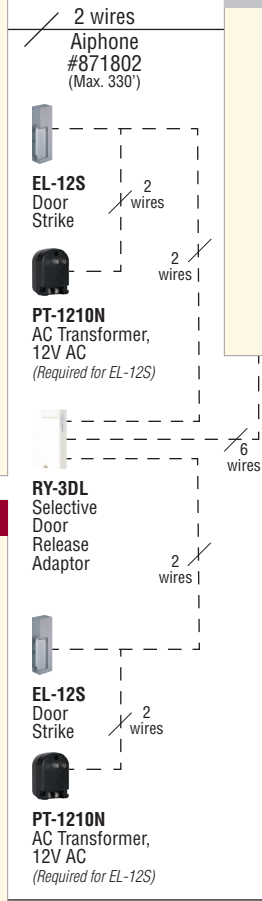
4 wires Aiphone #871804 (Max. 330' between master and farthest sub)

2 wires Aiphone #871802 (Max. 33')



PS-1820UL
Power Supply,
18V DC, 2A
→ p.114

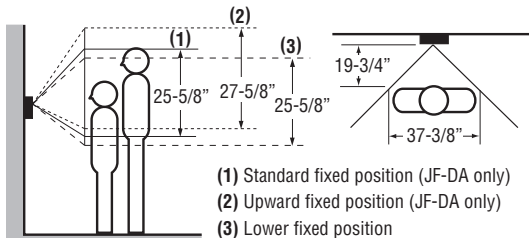
2 wires Aiphone #871802 (Max. 330')



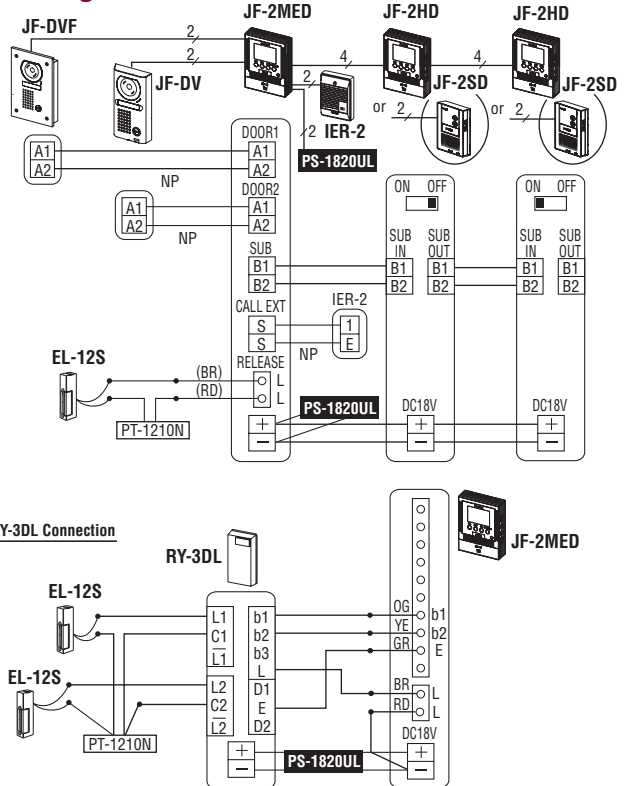
Features

- Quick and easy to install - Only 2 wires!
- No handset to pick up
- Compact, attractive design complements most interiors
- Hands-free (VOX) or push-to-talk (PTT) communication
- Expandable to three inside and two door stations
- Leave a voice memo to replay at inside stations
- Pre-record entrance messages (manually controlled from master)
- Single or selective door release with RY-3DL
- Camera station can be monitored from inside
- All monitors turn on when camera station calls in
- Embedded card readers
- All Call to inside master and sub stations
- Video out to DVR via supplied connector

Camera View Area

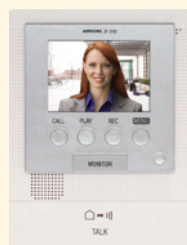


Wiring



Inside Stations - Select 1 unit (optional)

INSIDE
2



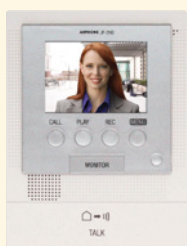
JF-2HD
Sub Master Station with video monitor



JF-2SD
Audio Only Sub Master Station

Inside Stations - Select 1 unit (optional)

INSIDE
3



JF-2HD
Sub Master Station with video monitor



JF-2SD
Audio Only Sub Master Station

4 wires
Aiphone #871804
(Max. 330' between master and farthest sub)

Options & Accessories



AC-10S
Access Control Keypad, die cast to match JF-DV
→ p.107



KAW-D
30° Angle Box for JF-DA
→ p.105



MKW-P
1-Gang Mounting Plate for JF-DV
→ p.116



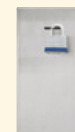
KMB-45
Mullion Mounting Bracket for JF-DA
→ p.105



JK-MB
Mullion Mounting Bracket for JK-DV
→ p.105



SBX-LSE
Security Lock Box for JF-DV and JF-DVF
(Lock not included)
→ p.105



SBX-LSP
Security Lock Box for JF-DVF-HID and JF-DVF-HID-I
(Lock not included)
→ p.105



SBX-DV30
30° Angle Box for JF-DV
→ p.105



SBX-DVF
Surface Mount Box for JF-DVF
→ p.104



SBX-DVF-P
Surface Mount Box for JF-DVF-HID and JF-DVF-HID-I
→ p.104



SBX-ACE
Surface Mount Box for intercom and access control device
→ p.103



MKW-DK/A
Motion Detector Adaptor for video door station
→ p.115



JBW-BA
Long Distance Door Station Adaptor
→ p.108



IER-2
Call Extension Speaker
→ p.106



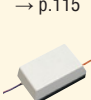
EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106



RY-3DL
Selective Door Release Adaptor
→ p.106



RY-18L
Form C Door Release Relay
(1 per door)
→ p.107



RY-ES
External Signaling Relay
→ p.108



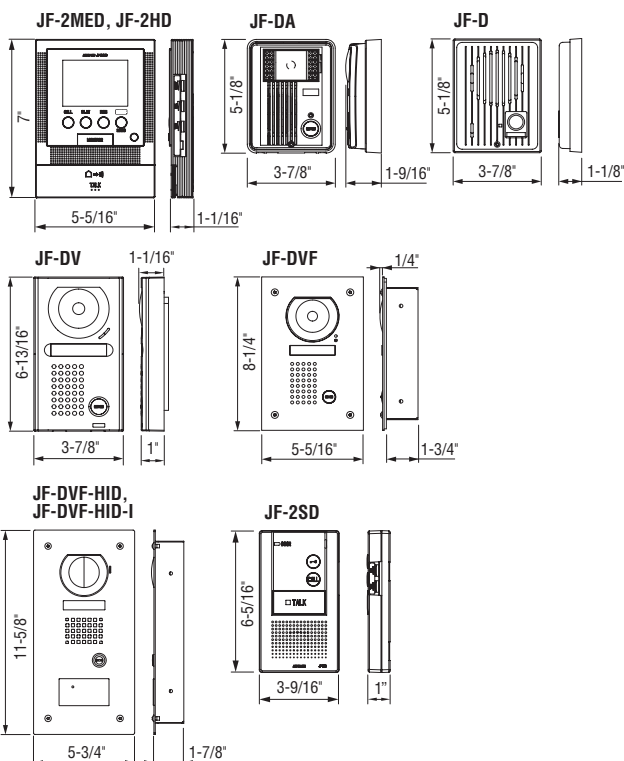
MCW-S/A
Monitor Desk Stand
→ p.116

BOXED SETS



JFS-2AED: JF-2MED, JF-DA, and power supply
JFS-2AEDV: JF-2MED, JF-DV, and power supply
JFS-2AEDF: JF-2MED, JF-DVF, and power supply

Unit Dimensions



Specifications


- Power Source:** 18V DC - Use PS-1820UL
- Calling:** Chime, image and audio approx. 45 sec.
- Communication:** AUTOMATIC (hands-free) - to activate, momentarily push TALK
push MANUAL (push-to-talk / release-to-listen) - to activate, push TALK button for 2 sec. or until talk LED turns on
- Video Monitor:** 3-1/2" direct-view TFT color LCD
- Scanning Line:** 525 lines
- Night Viewing:** 5 Lux at 1' distance with LED projected
- Picture Memory:** Record max. 50 images (8 pictures/image, 1 shot for each sec.)
Save max. 10 recorded pictures
- Voice Memo:** Record max. 3 voice memos (max. approx. 15 sec. /memo)
- Msg. for Entrance:** Record max. 2 messages (max. approx. 10 sec. /message)
- Door Release:** Contact rating: 24V AC/DC, 500mA
Use RY-18L for larger contact rating or RY-3DL for 2 doors
- Wiring:** Door to master: 2-cond., mid cap, solid, non-shielded
Master to sub: 4-cond., mid cap, solid, non-shielded
- Distance:** Door to master: 165'(22AWG) 330'(18AWG)
Master to farthest sub master: 165'(22AWG) 330'(18AWG)
Master to IER-2: 245'(22AWG) 490'(18AWG)
- Wire Type:** Master to door: Aiphone #871802
Between masters/subs: Aiphone #871804

JA Series


Hands-free Video with PanTilt

Door Stations - Select 1 unit


DOOR 1



JA-DAC
PanTilt Video Door Station, plastic cover, surface mount
→ p.96




JA-DGC
PanTilt Video Door Station, aluminum panel, semi-flush mount
→ p.96




JA-DGV
PanTilt Video Door Station, stainless steel, flush mount
→ p.96

Door Stations - Select 1 unit (optional)


DOOR 2




JA-DAC
→ p.96




JA-DGC
→ p.96



JA-DGV
→ p.96



JA-D
Audio Only Door Station, plastic cover, surface mount
→ p.99



JAW-AZ
CCTV Input Module
→ p.109

CCTV - Install up to 2 additional cameras (optional)


CCTV 1 & 2




JAW-AZ
CCTV Input Module
→ p.109

Inside Stations - Select 1 unit

INSIDE 1



JA-2MCD
Master Station with PanTilt video monitor



JA-2MECD
Master Station with PanTilt video monitor and Picture Memory

2 wires Aiphone #871802 (Max. 330')

2 wires EL-12S Door Strike

2 wires PT-1210N AC Transformer, 12V AC (Required for EL-12S)

2 wires Aiphone #871802 (Max. 330')

2 wires EL-12S Door Strike

2 wires PT-1210N AC Transformer, 12V AC (Required for EL-12S)

2 wires Aiphone #871802 (Max. 330')

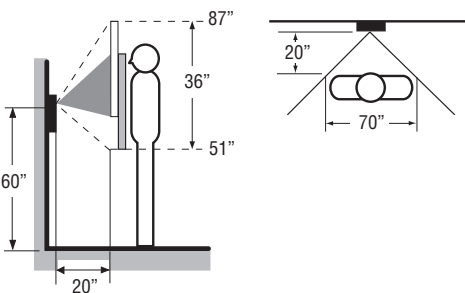
2 wires PS-2420UL Power Supply, 24V DC, 2A → p.114

4 wires Aiphone #871804 (Max. 330' between master and farthest sub)

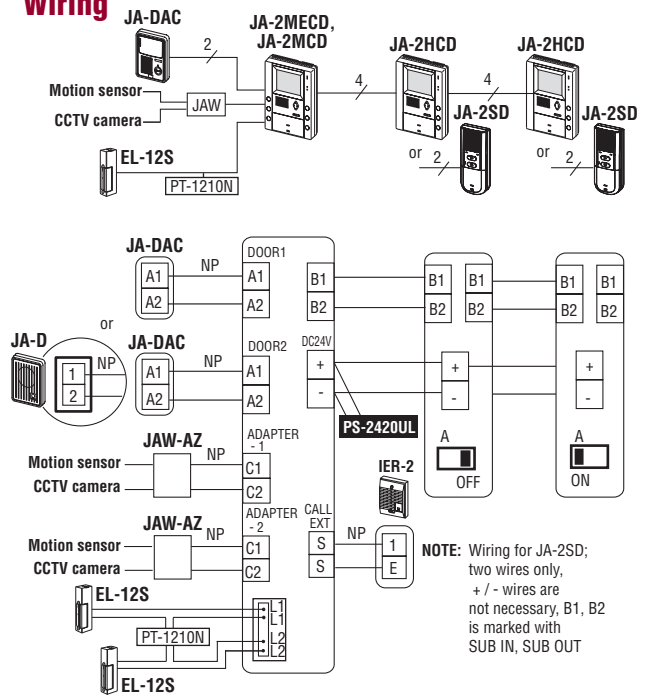
Features

- Hands-free (VOX) or push-to-talk (PTT) communication
- Instant voice call-in with image
- Built-in video output (RCA out)
- All Call to inside stations
- Visual monitoring with audio
- Two door release contacts for selective control
- Built-in picture memory (JA-2MECD only)
- Transfer of door station call to other inside stations
- Video out to DVR via supplied connector

Camera View Area



Wiring



Inside Stations - Select 1 unit (optional)

INSIDE
2



JA-2HCD
Sub Master Station with PanTilt video monitor



JA-2SD
Audio Only Sub Master Station

4 wires
Aiphone #871804
(Max. 330'
between master and farthest sub)

Inside Stations - Select 1 unit (optional)

INSIDE
3



JA-2HCD
Sub Master Station with PanTilt video monitor



JA-2SD
Audio Only Sub Master Station

Options & Accessories



KAW-D
30° Angle Box for JA-DAC
→ p.105



KMB-45
Mullion Mounting Bracket for JA-DAC and JA-D
→ p.105



SBX-ACE
Surface Mount Box for intercom and access control device
→ p.103



SBX-DGV
Surface Mount Box for JA-DGV
→ p.104



MKW-DK/A
Motion Detector Adaptor for video door station
→ p.115



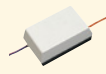
JBW-BA
Long Distance Door Station Adaptor
→ p.108



EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106



RY-24L
Form C Door Release Relay (1 per door)
→ p.107



RY-ES
External Signaling Relay
→ p.108



IER-2
Call Extension Speaker
→ p.106



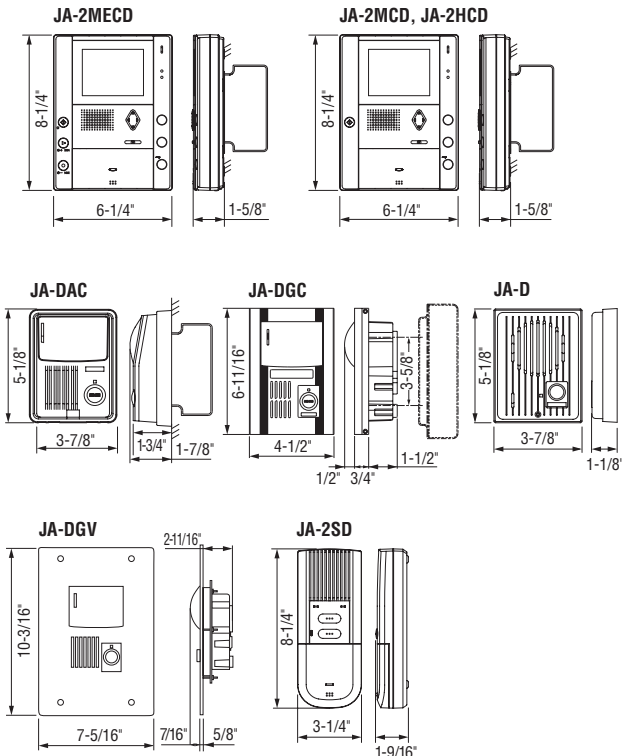
MCW-S/A
Monitor Desk Stand
→ p.116

BOXED SETS

JA Series Boxed Set

JAS-2MCD: JA-2MCD, JA-DAC, and power supply
JAS-2MECD: JA-2MECD, JA-DAC, and power supply

Unit Dimensions



Specifications

- Power Source:** 24V DC - Use PS-2420UL
- Calling:** Chime, image and audio approx. 30 sec.
- Communication:** AUTOMATIC (hands-free) - to activate, momentarily push TALK button
MANUAL (push-to-talk / release-to-listen) - to activate, push TALK button for 2 sec. or until talk LED turns on
- Video Monitor:** 4" direct-view TFT color LCD
- Scanning Line:** 525 lines
- Image View Area:** Approx. 2' horizontal, 3'8"~7'9" vertical at 4'3" high and at 20" in front of camera
Night Viewing 5 Lux at 1' distance with LED projected
- Picture Memory:** Record max. 16 sets of 4 pictures in quad mode, 32, or 60 individual pictures
- Door Release:** Contact rating: 24V AC/DC 500mA
Use RY-24L for larger contact rating, one per door
- Wiring:** Door to master: 2-cond., mid cap, solid, non-shielded
Master to subs: 4-cond., mid cap, solid, non-shielded
- Distance:** Master to door: 165'(22AWG) 330'(18AWG)
Master to farthest sub: 165'(22AWG) 330'(18AWG)
Master to IER-2: 245'(22AWG) 490'(18AWG)
- Wire Type:** Master to door: Aiphone #871802
Between masters/subs: Aiphone #871804

AX Series

Integratable Audio/Video Security

Video Intercoms

Door Stations: MIX & MATCH up to 120 TOTAL AX Door/Sub Stations

DOOR/SUB
120



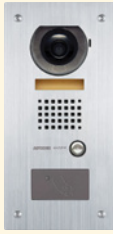
AX-DV
Fixed Video Door Station, aluminum die cast, surface mount → p.94



AX-DVF
Fixed Video Door Station, stainless steel, flush mount → p.94



AX-DV-P*
Fixed Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, aluminum die cast, surface mount → p.94



AX-DVF-P*
Fixed Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount → p.94



AX-DM
Door Station, plastic cover, mullion surface mount → p.95



IF-DA
Door Station, plastic cover, surface mount → p.100



IE-JA
Door Station, stainless steel, flush mount → p.100



IE-SS/A
Door Station, stainless steel, flush mount → p.100



IE-SSR
Door Station, stainless steel, red mushroom call button, flush mount → p.100



IE-SSV*
Door Station with a built-in CCTV camera, stainless steel, flush mount (Requires AXW-AZ) → p.100

*Additional wiring and/or equipment required

Central Exchange Units (required)



AX-084C
Central Exchange Unit for 8 doors/subs and 4 masters



AX-248C
Central Exchange Unit for 24 doors/subs and 8 masters

CAT-5e wire
N/A from Aiphone
(Max. 980')

CAT-5e wire
N/A from Aiphone
(Max. 16')

2x2 wires
Aiphone
#822202
(Max. 33')



2x2 wires
Aiphone
#822202
(Max. 33')

Central Exchange Add-On Unit (optional)



AX-320C
Add-On Exchange Unit for 32 doors/subs

Features

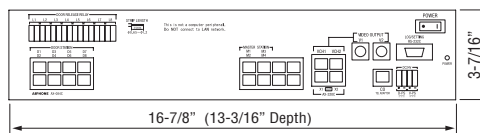
- CAT-5e wiring homerun from each station
- Up to 8 masters and 120 door stations
- Two talk channels
- Hands-free (VOX) or push-to-talk (PTT) communication
- Selective calling between masters, and from masters to door/sub stations
- Masters available with 3.5" color TFT LCD monitor
- Composite video output from CEU and video masters
- Normal or priority call levels
- Data output on CEU provides custom integration capability with CCTV and access control systems*
- PC programmable with a large variety of settings
- All Call or Group Call to master stations only
- Compatible with IE and IF Series door stations
- Transfer calls to an outside phone line (requires Viking Model K-1900-5 programmable dialer)
- Scan monitoring
- Optional Features: Headset, footswitch, call transfer to telephone, and PC remote control*

*Interface requires custom program (not supplied by Aiphone)

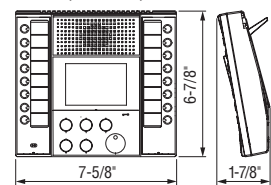
Unit Dimensions

NOTE: For unit dimensions of the IE Series door stations see p.100

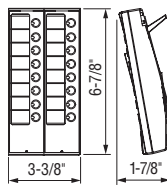
AX-084C, AX-248C, AX-320C



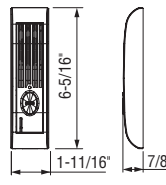
AX-8M, AX-8MV, AX-8MV-W



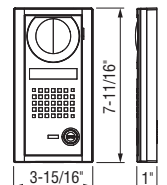
AX-16SW



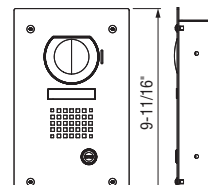
AX-DM



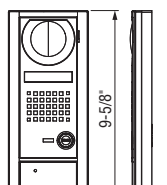
AX-DV



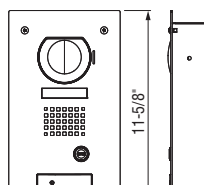
AX-DVF



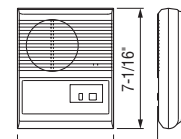
AX-DV-P



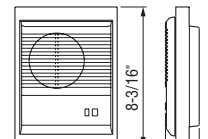
AX-DVF-P



AX-A, AX-AN



AX-B, AX-BN



Inside Stations: Select up to 8 Master Stations

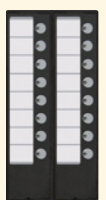
INSIDE
8



AX-8MV
Video Master Station, wall or desk mount



AX-8M
Audio Only Master Station, wall or desk mount



AX-16SW
16-Call Add-On Selector



AX-8MV-W
WHITE Video Master Station, wall or desk mount
(Up to max. of 8 door stations and 8 master stations)

Sub Stations: MIX & MATCH Up to 120 TOTAL AX Door/Sub Stations

DOOR/SUB
120



AX-A
Sub Station, surface mount
→ p.95



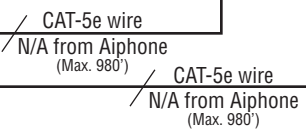
AX-AN
Privacy Sub Station, surface mount
→ p.95



AX-B
Sub Station, semi-flush mount
→ p.95



AX-BN
Privacy Sub Station, semi-flush mount
→ p.95



Options & Accessories



HID-SS
Accessory Station with an embedded HID® Proximity Card Reader
→ p.107



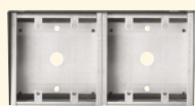
ICP-BR
Brass Faceplate for IE-JA
→ p.106



ICP-AB
Antique Brass Faceplate for IE-JA
→ p.106



SBX-2G
Surface Mount Box for IE-JA, IE-SS/A, IE-SSR, and IE-SSV
→ p.103



SBX-2BH
Horizontal Mount Box for HID-SS and IE-SS/A, IE-SSR, or IE-SSV (Vertical mount also available - SBX-2BV)
→ p.103



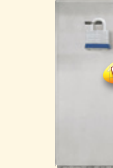
SBX-AXDVF
Surface Mount Box for AX-DVF
→ p.104



SBX-AXDV30
30° Angle Box for AX-DV
→ p.105



SBX-DVF-P
Surface Mount Box for AX-DVF-P
→ p.104



LB-XDVF
Security Lock Box for AX-DV and AX-DVF (Lock not included)
→ p.105



SBX-LSP
Security Lock Box for AX-DVF-P (Lock not included)
→ p.105



BBX-1E
Back Box for flush mounting AX-B and AX-BN
→ p.104



AXW-AZ
CCTV Camera Input Module
→ p.109



AXW-AVT
Door Station Fiber Optic Transmission Interface Unit
→ p.109



AXW-AVR
Door Station Fiber Optic Reception Interface Unit
→ p.109



EL-12S
Electric Door Strike, 12V AC/DC, 200mA (Requires PT-1210N)
→ p.106



IER-2
Call Extension Speaker
→ p.106



AXW-PA1
Paging Adaptor
→ p.111

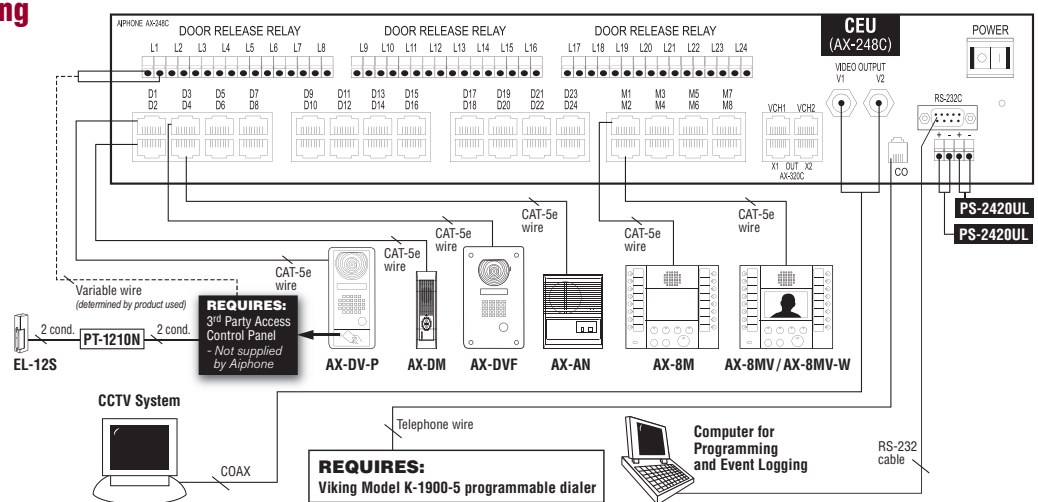


RY-ES
External Signaling Relay
→ p.108



RY-24L
Form C Door Release Relay (1 per door)
→ p.107

Wiring



Specifications

- Power source** 24V DC - Use two PS-2420UL
- Calling** Tremolo and LED 10-600 secs. (programmable) or infinite
- Communication** Push TALK button to reply, communication times out in 30-600 secs. (programmable)
- Video Monitor** 3-1/2" direct view TFT color LCD
- Scanning Line** 525 lines


- Camera** 1/4" color CCD camera - 250,000 pixels
- Night Viewing** 5 Lux at 1' distance with LED projected
- Door Release** Programmable N/O or N/C dry contact, 24V AC/DC, 500mA max. Use RY-24L for larger contact rating
- Wiring** Homerun CAT-5e wire to CEU
- Distance** Door stations to CEU: 980' CEU to master stations: 980'
- Wire type** CEU to master stations: CAT-5e
Video Door stations to CEU: CAT-5e
IE door stations to CEU: CAT-5e

KB Series


Video Entry with Tilt

Door Stations - Select 1 unit

DOOR 1



KB-DAR
Tilt Video Door Station,
plastic cover, surface mount
→ p.99



KB-DAR-M
Tilt Video Door Station, motion detector
interface, plastic cover, surface mount
→ p.99

Door Stations - Select 1 unit (optional)

DOOR 2



KB-DAR
→ p.99




KB-DAR-M
→ p.99




KBW-M
CCTV Input
Module
→ p.110

Door Stations - Select 1 unit (optional)


DOOR 3




KB-DAR
→ p.99




KB-DAR-M
→ p.99




KBW-M
→ p.110




AX-DM
Door Station,
plastic cover,
mullion
surface mount
→ p.95




IE-SSR
Door Station, stainless
steel, red mushroom
call button, flush mount
→ p.100



IE-SS/A
Door Station,
stainless steel,
flush mount
→ p.100




IF-DA
Door Station,
plastic cover,
flush mount
→ p.100



IE-JA
Door Station,
stainless steel,
flush mount
→ p.100

Inside Station

INSIDE 1



KB-3MRD
Master Station
with video
monitor

2 wires
Aiphone
#871802
(Max. 650')

2 wires
Aiphone
#871802
(Max. 650')

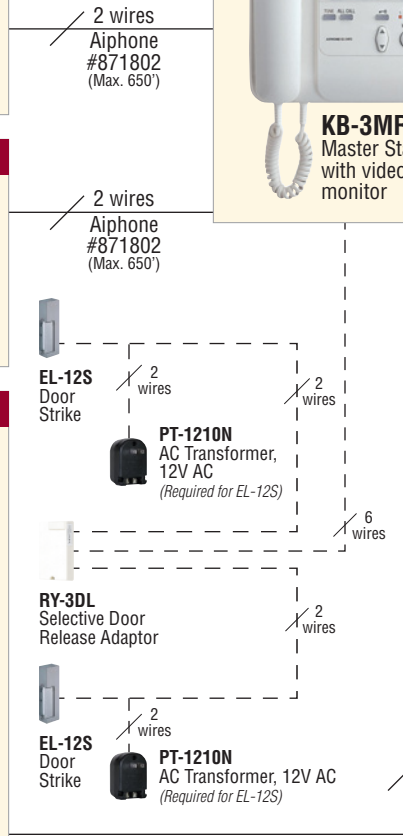
2 wires
Aiphone
#871802
(Max. 33')

2 wires
Aiphone
#871802
(Max. 650')

2 wires
Aiphone
#871802
(Max. 330' between
master and
farthest sub)

PS-2420UL
Power Supply,
24V DC, 2A
→ p.114

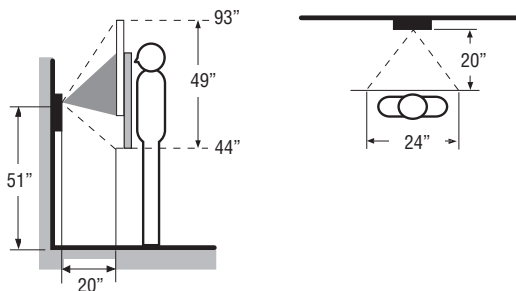
2 wires
Aiphone
#871802
(Max. 650')



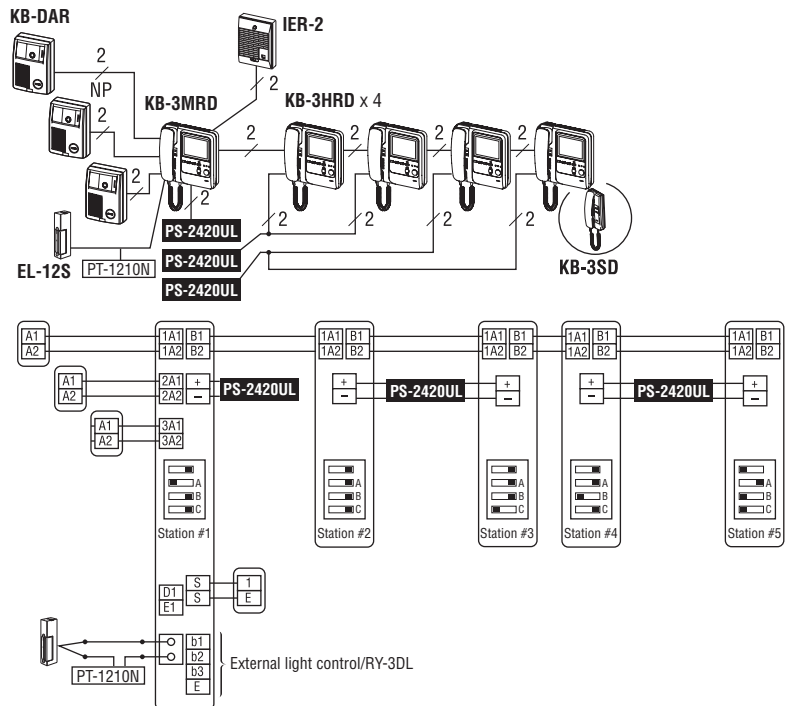
Features

- Clear and bright image with color TFT LCD monitor and color video door station
- Instant voice call-in with image
- Selective Call or All Call
- Chime or receiver volume control
- Optional selective door release with RY-3DL
- 330' total distance looped between monitors
- TILT camera control
- Video out to DVR via supplied connector

Camera View Area



Wiring



- NOTES:**
1. D1 and E1 for IE Series door stations (audio only) instead of third KB-DAR
 2. Run audio/video wires in a separate jacketed cable from door release wires
 3. Wiring for KB-3SD; two wires only, +/- wires are not necessary

Inside Stations - Select up to 2 units (optional)


INSIDE **2 & 3**



KB-3HRD
Sub Master Station with video monitor

KB-3SD
Audio Only Sub Master Station
(Only 2 KB-3SD's per system)

2 wires
Aiphone
#871802



PS-2420UL
Power Supply, 24V DC, 2A
(One PS-2420UL per two video monitors)
→ p.114

2 wires
Aiphone
#871802
(Max. 330'
between master
and farthest sub)

Inside Stations - Select up to 2 units (optional)


INSIDE **4 & 5**



KB-3HRD
Sub Master Station with video monitor

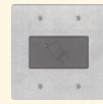
KB-3SD
Audio Only Sub Master Station
(Only 2 KB-3SD's per system)

2 wires
Aiphone
#871802



PS-2420UL
Power Supply, 24V DC, 2A
(One PS-2420UL per two video monitors)
→ p.114

Options & Accessories



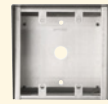
HID-SS
Accessory Station with an embedded HID® Proximity Card Reader
→ p.107



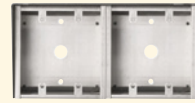
ICP-BR
Brass Faceplate for IE-JA
→ p.106



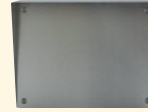
ICP-AB
Antique Brass Faceplate for IE-JA
→ p.106



SBX-2G
Surface Mount Box for IE-JA, IE-SS, and IE-SSR
→ p.103



SBX-2BH
Horizontal Mount Box for HID-SS and IE-SS/A or IE-SSR
(Vertical mount also available - **SBX-2BV**)
→ p.103



SBX-ACE
Surface Mount Box for intercom and access control device
→ p.103



KAW-D
30° Angle Box for KB-DAR and KB-DAR-M
→ p.105



KMB-45
Mullion Mounting Bracket for KB-DAR, KB-DAR-M, IF-DA and IE-DC
→ p.105



KA-DGR Panel
Housing Panel for KB-DAR and KB-DAR-M, stainless steel, surface mount
→ p.99



KA-FSH
Housing Panel for KB-DAR and KB-DAR-M, stainless steel, flush mount
→ p.99



EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106



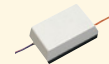
RY-3DL
Selective Door Release Adaptor
→ p.106



IER-2
Call Extension Speaker
→ p.106



RY-24L
Form C Door Release Relay
(When releasing one door)
→ p.107



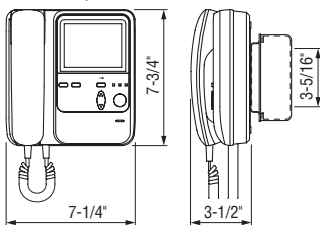
RY-ES
External Signaling Relay
→ p.108



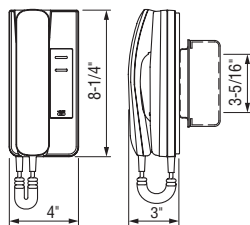
MCW-S/A
Monitor Desk Stand
→ p.116

Unit Dimensions

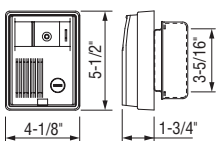
KB-3MRD, KB-3HRD



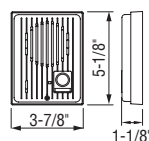
KB-3SD



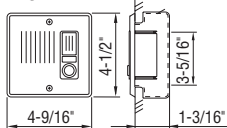
KB-DAR



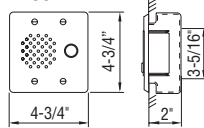
IF-DA



IE-JA



IE-SS/A, IE-SSR, IE-SSV



Specifications

- Power Source** 24V DC - Use PS-2420UL
- Calling** Chime, image and audio approx. 30 sec., hear and see door instantly
- Communication** Pick up at any station to reply, 2-1/2 min. timed, recycle with MONITOR, monitor audio and image of door, hands-free with MONITOR, push a station selector and call by voice, the called station replies hands-free, lift handset, push All Call button to call the other stations with pre-tone and voice
- Video Monitor** 4" direct-view TFT color LCD
- Scanning Line** 525 lines
- Image View Area** Approx. 2' horizontal, 3'8"~7'9" vertical at 4'3" high and at 20" in front of camera
- Night Viewing** 5 Lux at 1' distance with LED projected
- Door Release** Contact rating: 12V AC, 400mA
Use RY-24L for larger contact rating or RY-3DL for 2~3 doors
- Wiring** Door to master: 2-cond., mid cap, solid, non-shielded
Master to subs: 2 x 2-cond., mid cap, solid, non-shielded
- Distance** Master to door: 330'(22AWG) 650'(18AWG)
Master to farthest sub: 165'(22AWG) 330'(18AWG)
Master to IER-2: 165'(22AWG) 330'(18AWG)
- Wire Type** Aiphone #871802

KCS-1ARD

Video Entry with Tilt Set

Door Station

DOOR 1



KC-DAR
Tilt Video Door Station, plastic cover, surface mount
→ p.99

2 wires
Aiphone #871802
(Max. 330')



EL-12S
Door Strike



PT-1210N
AC Transformer,
12V AC
(Required for EL-12S)

Inside Station

INSIDE 1



KC-1MRD
Master Station
with video monitor
(Not sold separately)

2 wires
Aiphone #871802
(Max. 33')



PS-2420UL
Power Supply,
24V DC, 2A
→ p.114

Options & Accessories



KA-DGR Panel
Housing Panel
for KC-DAR,
stainless steel,
surface mount
→ p.99



KA-FSH
Housing Panel
for KC-DAR,
stainless steel,
flush mount
→ p.99



KAW-D
30° Angle
Mounting Bracket
for KC-DAR
→ p.105



KMB-45
Mullion
Mounting Bracket
for KC-DAR
→ p.105



SBX-ACE
Surface Mount
Box for intercom
and access
control device
→ p.103



EL-12S
Electric Door
Strike, 12V
AC/DC, 200mA
(Requires PT-1210N)
→ p.106



RY-24L
Form C Door
Release Relay
→ p.107



KCW-D/B
Video output
converter to
CCTV/DVR
→ p.110



MKW-DK/A
Motion Detector
Adaptor for video
door station
→ p.115



JBW-BA
Long Distance
Door Station
Adaptor
→ p.108



IER-2
Call Extension
Speaker
→ p.106



MCW-S/A
Monitor
Desk Stand
→ p.116

BOXED SET

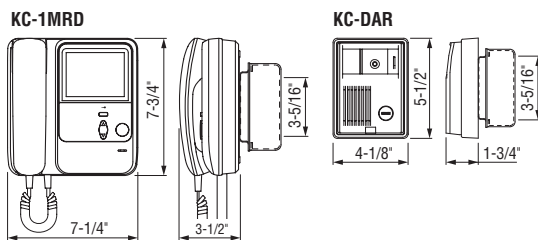
KCS-1ARD Boxed Set

KCS-1ARD: KC-1MRD,
KC-DAR, and power supply

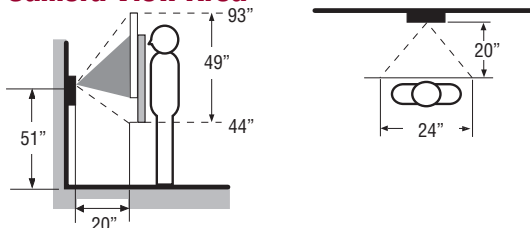
Features

- Clear and bright image with color TFT LCD monitor and color video door station
- Instant voice call-in with image
- Hands-free audio and video monitoring
- White LED illuminator
- TILT camera control

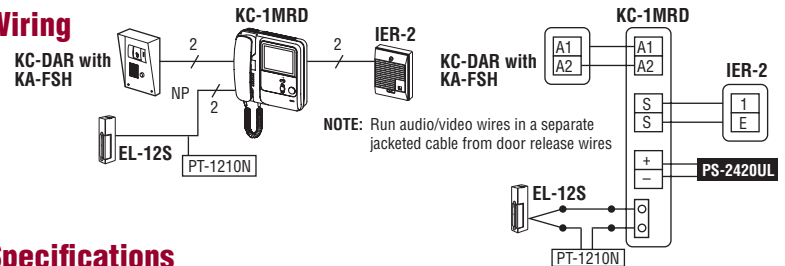
Unit Dimensions



Camera View Area



Wiring



Specifications


- Power Source** 24V DC - Use PS-2420UL
- Calling** Chime, image and audio approx. 30 sec., hear and see door instantly
- Communication** Pick up to reply - 2 1/2 min. time, be aware of hands-free audio and image of door with monitor
- Video Monitor** 4" direct-view TFT color LCD
- Scanning Line** 525 lines
- Image View Area** Approximately 2' horizontal, 3'8"~7'9" vertical at 20" in front of camera at 4'3" high and 20" from camera
- Night Viewing** 5 Lux at 1' distance with LED projected
- Door Release** Contact rating: 12V AC, 400mA
Use RY-24L for larger contact rating
- Wiring** Door to master: 2-cond., mid cap, solid, non-shielded
- Distance** Master to door: 165'(22AWG) 330'(18AWG)
Master to IER-2: 165'(22AWG) 330'(18AWG)
- Wire Type** Aiphone #871802

KC Series

Video Entry with Tilt

Door Stations - Select 1 unit

DOOR 1



KC-DAR
Tilt Video Door Station, plastic cover, surface mount
→ p.99

Inside Station



INSIDE 1



KC-1GRD
Master Station with video monitor

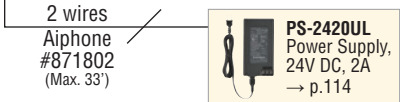
Inside Stations - Select up to 2 units (optional)

INSIDE 2 & 3





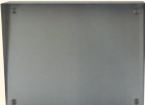










KC-1HRD
Sub Station with video monitor

KC-1SD
Audio Only Sub Master Station



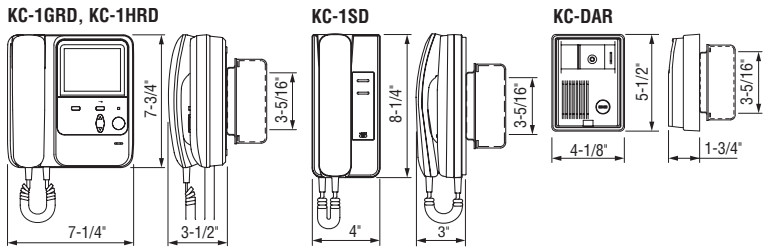
Options & Accessories

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>KA-DGR Panel Housing Panel for KC-DAR, stainless steel, surface mount → p.99</p> |  <p>KA-FSH Housing Panel for KC-DAR, stainless steel, flush mount → p.99</p> |  <p>KAW-D 30° Angle Box for KC-DAR → p.105</p> |  <p>KMB-45 Mullion Mounting Bracket for KC-DAR → p.105</p> |  <p>SBX-ACE Surface Mount Box for intercom and access control device → p.103</p> |  <p>EL-12S Electric Door Strike, 12V AC/DL, 200mA (Requires PT-1210N) → p.106</p> |
|  <p>RY-24L Form C Door Release Relay → p.107</p> |  <p>KCW-D/B Video output converter to CCTV/DVR → p.110</p> |  <p>MKW-DK/A Motion Detector Adaptor for video door station → p.115</p> |  <p>IER-2 Call Extension Speaker → p.106</p> |  <p>RY-ES External Signaling Relay → p.108</p> |  <p>MCW-S/A Monitor Desk Stand → p.116</p> |

Features

- Clear and bright image with color TFT LCD monitor and color video door station
- TILT camera control
- Instant voice call-in with image
- White LED illuminator
- All Call type room calling
- Hands-free audio and video monitoring
- 330' total distance looped between monitors

Unit Dimensions

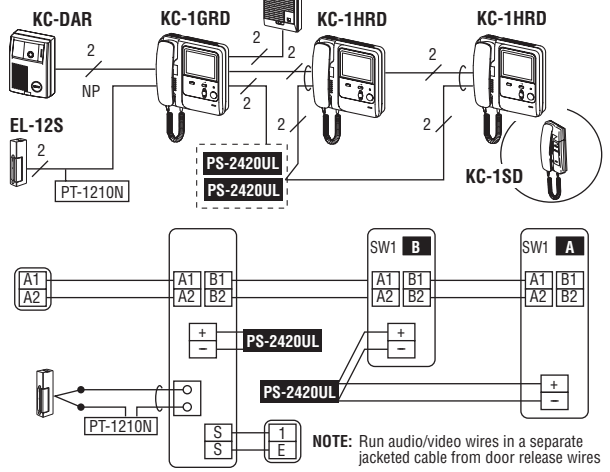


Specifications

- Power Source** 24V DC - Use PS-2420UL
- Calling** Chime, image and audio approx. 30 sec., hear and see door instantly
- Communication** Pick up at any station to reply, 2-1/2 min. timed, recycle with MONITOR, monitor hands-free audio and image of door with MONITOR, push All Call to call the other monitors with pre-tone and voice, lift either handset to reply
- Video Monitor** 4" direct-view TFT color LCD
- Scanning Line** 525 lines
- Image View Area** Approx. 2" horiz., 3'8"~7'9" vert. at 20" in front of camera at 4'3" high
- Night Viewing** 5 Lux at 1' distance with LED projected
- Door Release** Contact rating: 12V AC, 400mA. Use RY-24L for larger contact rating
- Wiring** Door to master: 2-cond., mid cap, solid, non-shielded
Master to subs: 2 x 2-cond., mid cap, solid, non-shielded
- Distance** Master to door: 165'(22AWG) 330'(18AWG)
Master to farthest sub: 165'(22AWG) 330'(18AWG)
Master to IER-2: 165'(22AWG) 330'(18AWG)
- Wire Type** Aiphone #871802

Camera View Area (See line drawing for KCS-1ARD, p. 38)

Wiring





Multi-Tenant Intercoms

For Building Entry Security



Featured Multi-Tenant Intercoms:

| | | | | |
|------------------------------|-------------------------------|--------------------------------|-----------------------------------------------------------------------------|-----------|
| ENTRANCE 5 | GUARD 2 | TENANT 48~100 | GT Series (Standard) Multi-Tenant Video Entry Security ... | 44 |
| ENTRANCE 16 | GUARD 4 | TENANT 500 | GT Series (Expanded) Multi-Tenant Video Entry Security | 46 |
| ENTRANCE 16 | GUARD 4 | TENANT 500 | GT Series (Full Featured) Multi-Tenant Video Entry Security | 48 |
| DOOR 1 | TENANT 1 | | DA-1DS Single-Tenant Entry Security | 54 |
| DOOR 1 | TENANT 4 | | DA-4DS Multi-Tenant Entry Security | 55 |
| DOOR 1 | TENANT 4 | | DB Series Single & Multi-Tenant Hands-free Entry Security ... | 56 |
| DOOR 5 | TENANT 2,000 | | TL-2000 Multi-Tenant Telephone Entry System | 57 |



GT Series

OUTSIDE

All-in-One Entrance Panel

Quick and Easy to install and connect

170° PanTilt & Zoom camera for larger viewing area

ADA Compliant Design

Energy Efficient

Upload custom welcome image onto large color LCD screen

Keypad stores up to 500 unique access codes

Motion sensor turns on LCD screen

Durable stainless steel construction

GT-DM

INSIDE

Full Featured Stations



The *ultimate* tenant security experience



Make buildings more attractive to tenants by providing convenient and easy-to-use security

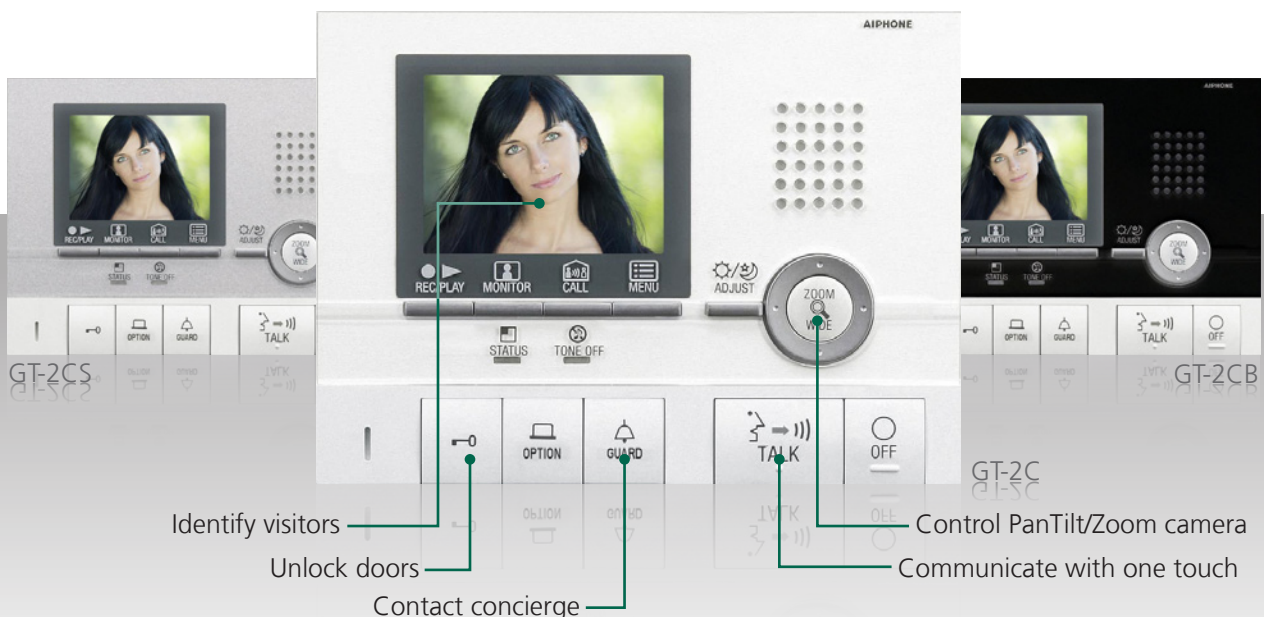


Exclusive AIPHONE Feature

- Three programmable alarm inputs for security devices such as window/door contacts or personal wireless pendants
- Auto-alert to Concierge Station when alarm is triggered
- Loud siren to alert tenants and scare away potential threats
- Suite Security is armed and disarmed using intercom station

Additional features include:

- Install up to 4 units per tenant with internal communication
- Picture memory records images of visitors
- Install door station outside tenant's door and replace the peephole





Entrance Station: MIX & MATCH up to 5 TOTAL GT entrance stations

ENTRANCE 5 Ready-To-Install Entrance Station - All-In-One Panel
Compatible with Video and Audio Only Tenant Stations

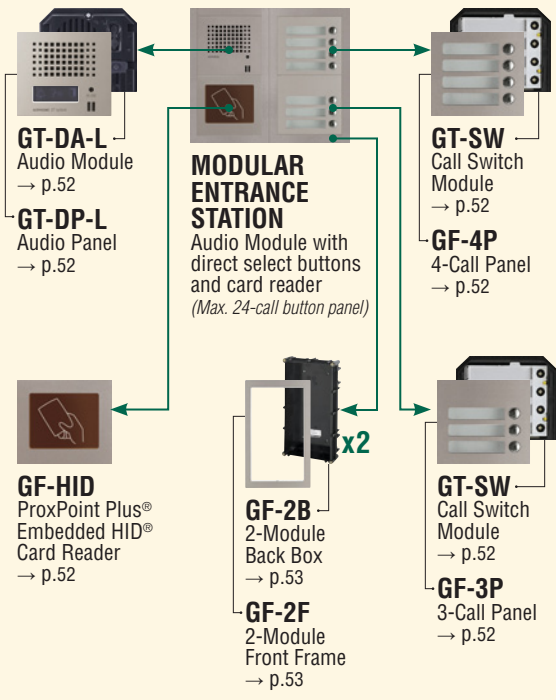


GT-DM
170° Wide Angle Video Camera with Digital PanTilt Zoom, Hands-free Audio Communication, Access Control & Directory Scroll Keypad, Customizable LCD Screen, Motion Sensor for LCD Screen Activation, Voice Annunciation, Single Panel Stainless Steel body
→ p.50



Entrance Station: MIX & MATCH up to 5 TOTAL GT entrance stations

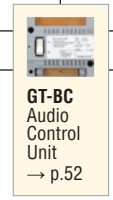
ENTRANCE 5 Audio Direct Select - Sample Configuration



Video Aiphone #871802 1P / Video Aiphone #871802 1P



Audio Aiphone #872002 1P / Audio Aiphone #872002 1P



Audio Aiphone #872002 1P / Audio Aiphone #872002 1P



Tenant Stations

TENANT 48 Hands-free Tenant Stations
with Internal Communication, Picture Memory, and Suite Security
1 master + 3 sub masters per tenant - Max. 48 tenants



GT-2C / GT-2CB / GT-2CS*
Full Featured PanTilt & Zoom Hands-free Video Tenant Master Station
→ p.51

GT-2H / GT-2HB / GT-2HS
Full Featured PanTilt & Zoom Hands-free Video Tenant Sub Station
→ p.51

* For GT-2C/2CB/2CS & GT-2H/2HB/2HS wiring details, see p.48



OR **TENANT 48** Hands-free Tenant Stations
Up to 2 video & 2 audio only units per tenant - Max. 48 stations



GT-1C / GT-1CB / GT-1CS
PanTilt & Zoom Hands-free Video Tenant Station
→ p.51

GT-1A
Hands-free Audio Only Tenant Station
→ p.51

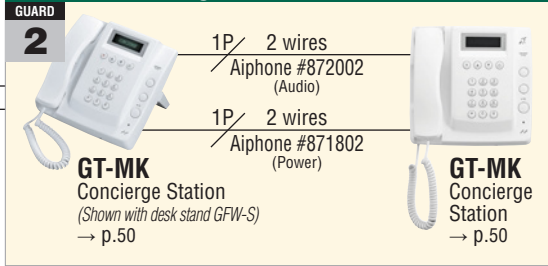
OR **TENANT 100** Handset Tenant Stations
Up to 2 video & 2 audio only units per tenant - Max. 100 stations



GT-1M-L
Handset Video Tenant Station
→ p.51

GT-1D
Handset Audio Only Tenant Station
→ p.51

Guard / Concierge - Up to 2 units



NOTE: Maximum cumulative audio wire distance = 8,200 ft. If exceeded, contact Technical Support for system configuration assistance.

Specifications & Unit Dimensions
See p.50 ~ p.53

Wiring
See p.52

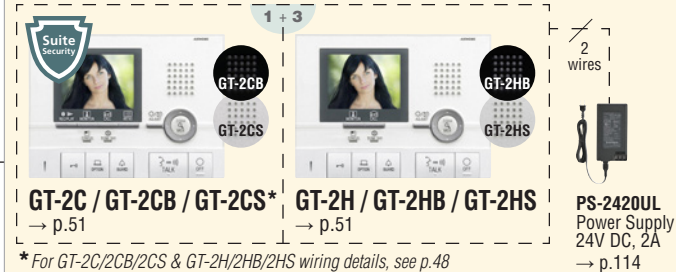
Multi-Tenant Intercoms

Tenant Stations - Up to 48 tenant stations

TENANT 48 Hands-free Tenant Stations

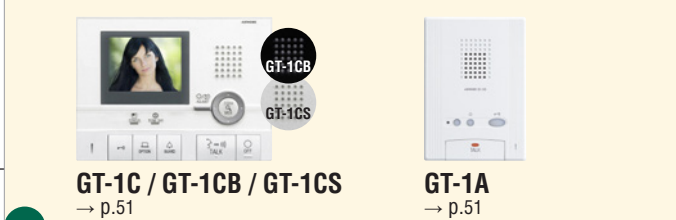
with Internal Communication, Picture Memory, and Suite Security

1 master + 3 sub masters per tenant - Max. 48 tenants



OR TENANT 48 Hands-free Tenant Stations

Up to 2 video & 2 audio only units per tenant - Max. 48 stations



OR TENANT 100 Handset Tenant Stations

Up to 2 video & 2 audio only units per tenant - Max. 100 stations



Options & Accessories

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <p>GT-HS Optional Add-On Handset for GT-2C/B/S, GT-2H/B/S, and GT-1C/B/S → p.51</p> <p>GT-AD Address Module → p.52</p> <p>GF-AP Address Panel → p.52</p> | <p>GT-SW Call Switch Module → p.52</p> <p>GF-1P 1-Call Panel → p.52</p> | <p>GT-VAX Dual CCTV Camera Module → p.52</p> <p>GF-BP Blank Panel → p.52</p> | <p>GF-HID ProxPoint Plus® Embedded HID® Card Reader → p.52</p> |
| <p>GT-AC Access Control Keypad Module → p.52</p> <p>GT-OP Operation Plate Visitor Instruction Plate for GT Digital Display entrance panels - top or bottom mount (Included with GTA-DES, GTV-DES202, and GTV-DES104) → p.52</p> | <p>GF-OP2 2 Module Postal Lock → p.52</p> <p>GF-OP3 3 Module Postal Lock → p.52</p> <p>GT-nH Rain Hood (GT-203H Shown) → p.53</p> | <p>GT-nHB Hooded Box for surface mounting (GT-203HB Shown) → p.53</p> <p>SBX-GTDM Surface mount box for GT-DM → p.53</p> <p>GFK-PS Panic Switch with pullcord → p.53</p> <p>GT-RY External Activation Relay → p.52</p> | <p>KCW-D/B Video output converter to CCTV/DVR → p.110</p> |
| <p>GF-W-S Desk Stand for GT-MK and GT-1M-L → p.50</p> <p>MCW-S/A Monitor Desk Stand for GT-2C, GT-2H, GT-1C, and GT-1A → p.116</p> | <p>GT-4Z 4-Way Video Distribution Adaptor → p.52</p> <p>W-DIN11 DIN Mounting Rail for control units → p.53</p> | | |

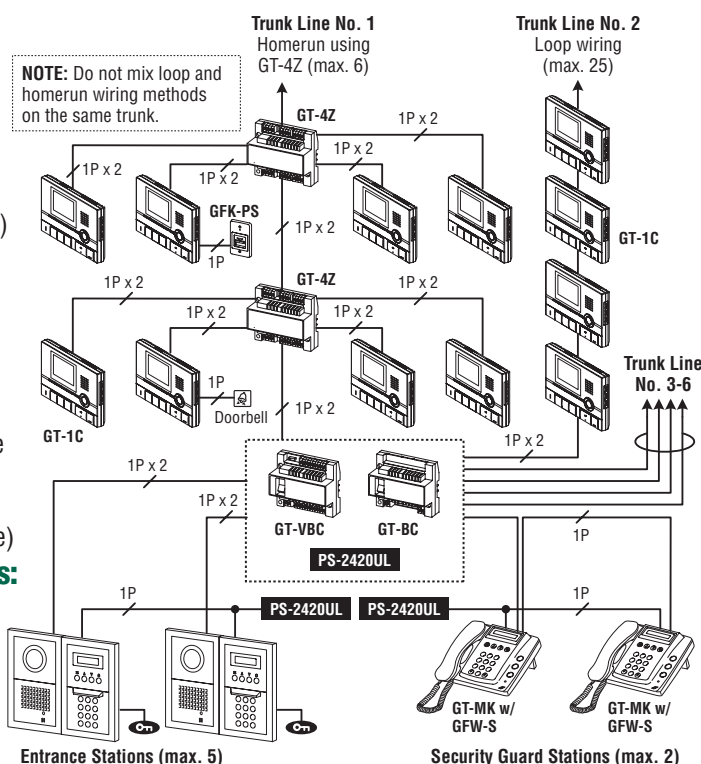
Features

- Link data allows for easy programming of multiple entrances/guard stations
- Setting via dip switch for digital systems provides faster and easier installation
- Up to 2 video and 2 audio only stations per tenant (each counts toward total capacity)
- Simple wiring with only 2 common wires for audio
- Access control from inside station to calling entrance (door release)
- CCTV camera input in GT-DM and GT-VA provides additional surveillance of the entry area
- Optional individual doorbell to ring tenant stations
- Optional JK video door stations for GT-2C
- Security guard station can be included to provide communication between office/lobby and tenants
- Optional panic call switch for emergency calling to guard/concierge
- Optional postal lock module, allowing easy entry for postal and delivery workers
- Security guard can screen calls from visitors (Reception Mode)

Features (Audio/Video) - Includes all audio features plus:

- Both audio/video and audio-only entrance panels can be combined in the same system
- LED's at door allow use in low light conditions
- Only 2 additional wires are required to add video
- Tenant can view camera by pushing "key" button

Wiring GT Standard Configuration Sample





- ▶ Video Wire - Aiphone #871802
- ▶ Audio Wire - Aiphone #872002
- ▶ Power Wire - Aiphone #871802

Entrance Stations - Max. 8 entrances (Common Line 1)

ENTRANCE **1** ~ **8** **Ready-To-Install Entrance Station - All-In-One Panel**
Compatible with Video and Audio Only Tenant Stations



GT-DM
170° Wide Angle Video Camera with Digital PanTilt Zoom, Hands-free Audio Communication, Access Control & Directory Scroll Keypad, Customizable LCD Screen, Motion Sensor for LCD Screen Activation, Voice Annunciation, Single Panel Stainless Steel body
→ p.50

2 wires Aiphone #871802
PS-2420UL Power Supply, 24V DC, 2A
→ p.114

Guard / Concierge - Up to 2 units

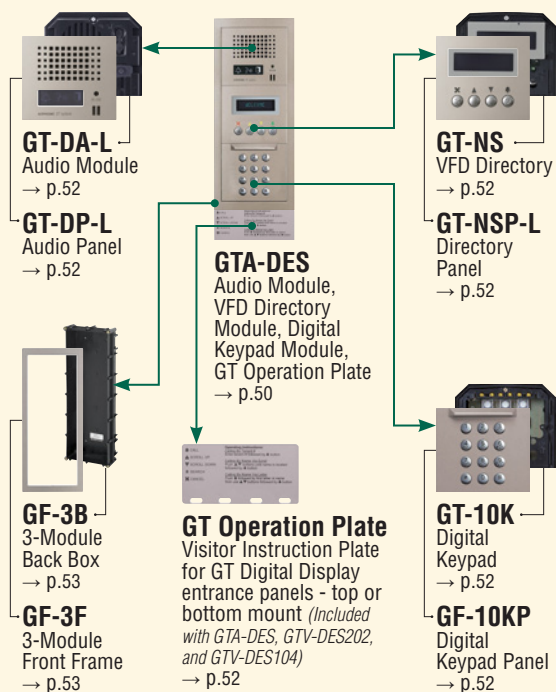
GUARD **1** & **2**
1P / 2 wires Aiphone #872002 (Audio)
1P / 2 wires Aiphone #871802 (Power)
GT-MK Concierge Station → p.50
GT-MK Concierge Station (Shown with desk stand GFW-S) → p.50

Audio Aiphone #872002
1P
GT-BC Audio Control Unit → p.52
PS-2420UL Power Supply, 24V DC, 2A → p.114
Video Aiphone #871802
1P
PS-2420UL Power Supply, 24V DC, 2A → p.114
Video Aiphone #871802
1P

Video Aiphone #871802
1P
Connected with 16" cable supplied by GT-VBX
GT-VBX Expanded Video Control Unit → p.52
Audio Aiphone #872002
1P
Video Aiphone #871802
1P
Audio Aiphone #872002
1P

Entrance Stations - Max. 8 entrances (Common Line 2)

ENTRANCE **9** ~ **16** **Audio Digital Display - Sample Configuration**
Audio Only or Audio/Video Entrance Stations can be used



Common Line 2 Entrance Stations for VIDEO
1P Audio Aiphone #872002
GT-BC Audio Control Unit → p.52
PS-2420UL Power Supply, 24V DC, 2A → p.114
Audio Aiphone #872002
1P
GT-BCX Expanded Audio Control Unit → p.52
PS-2420UL Power Supply, 24V DC, 2A → p.114
Audio Aiphone #872002
1P

Guard / Concierge - Up to 2 units

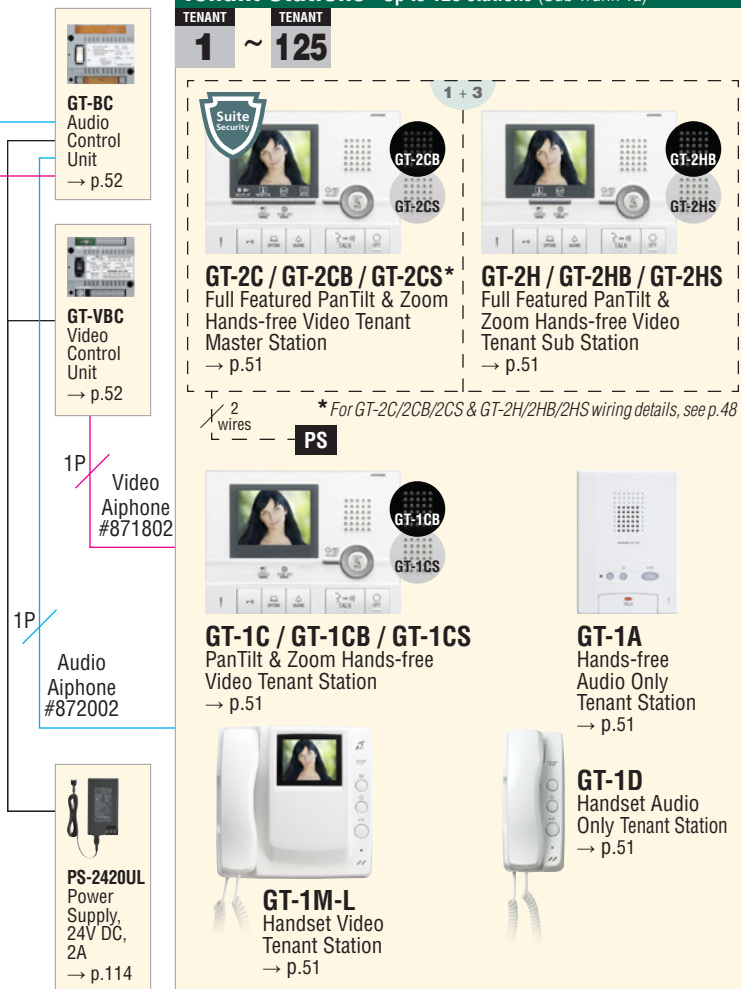
GUARD **3** & **4**
1P / 2 wires Aiphone #872002 (Audio)
1P / 2 wires Aiphone #871802 (Power)
GT-MK Concierge Station → p.50
GT-MK Concierge Station (Shown with desk stand GFW-S) → p.50

PS-2420UL Power Supply, 24V DC, 2A → p.114
PS-2420UL Power Supply, 24V DC, 2A → p.114

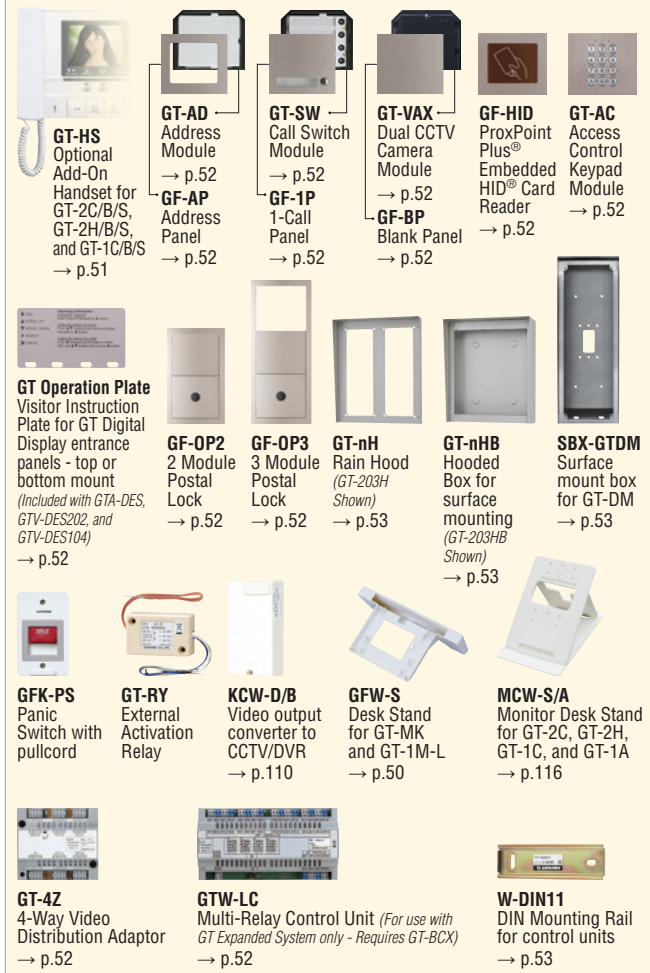
Specifications & Unit Dimensions
See p.50 ~ p.53

Wiring
See p.52

Tenant Stations - Up to 125 stations (Sub Trunk 1a)

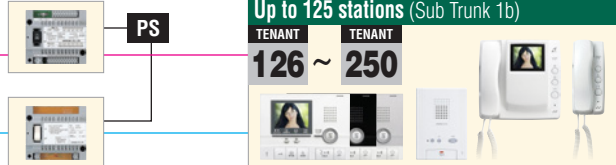


Options & Accessories



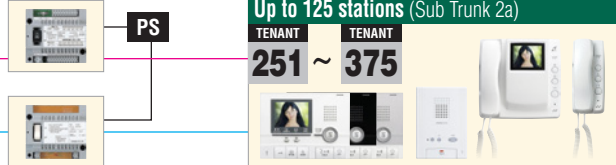
See Sub Trunk 1a above for details

Tenant Stations - Up to 125 stations (Sub Trunk 1b)



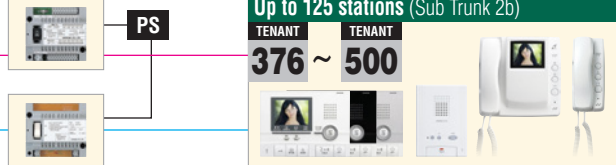
See Sub Trunk 1a above for details

Tenant Stations - Up to 125 stations (Sub Trunk 2a)



See Sub Trunk 1a above for details

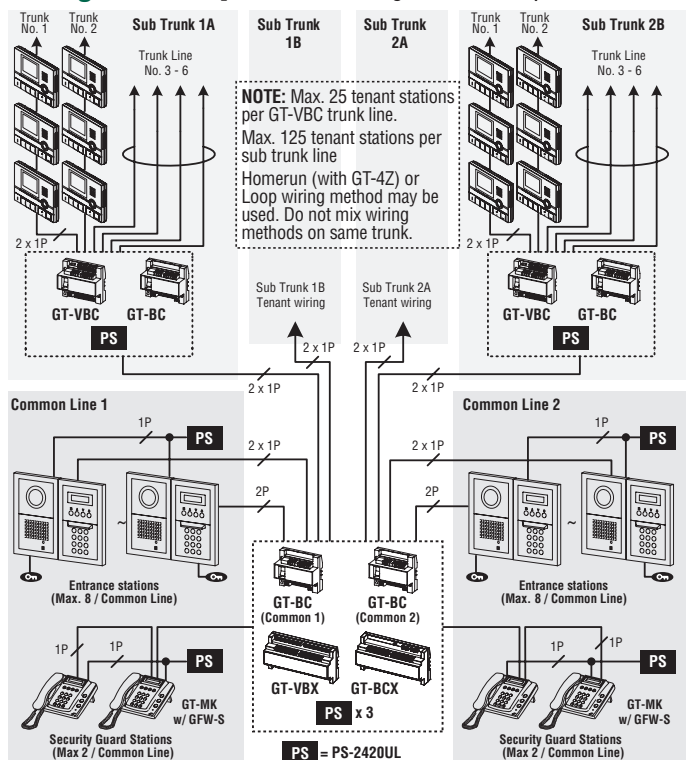
Tenant Stations - Up to 125 stations (Sub Trunk 2b)



Features - Includes same as Standard System plus:

- Up to 16 entrance panels, 4 guard/concierge stations, and 500 tenant stations
- 2 talkpaths when using Sub Trunk 1 & 2

Wiring GT Expanded Configuration Sample





- ▶ Video Wire - Aiphone #871802
- ▶ Audio Wire - Aiphone #872002
- ▶ Power Wire - Aiphone #871802

Entrance Stations - Max. 8 entrances (Common Line 1)

ENTRANCE 1 ~ 8

All-in-One Entrance Station - Sample Choice
Audio Only or Audio/Video Entrance Stations can be used



GT-DM
170° Wide Angle Video Camera with Digital PanTilt Zoom, Hands-free Audio Communication, Access Control & Directory Scroll Keypad, Customizable LCD Screen, Motion Sensor for LCD Screen Activation, Voice Annunciation, Single Panel Stainless Steel body
→ p.50



Guard / Concierge - Up to 2 units

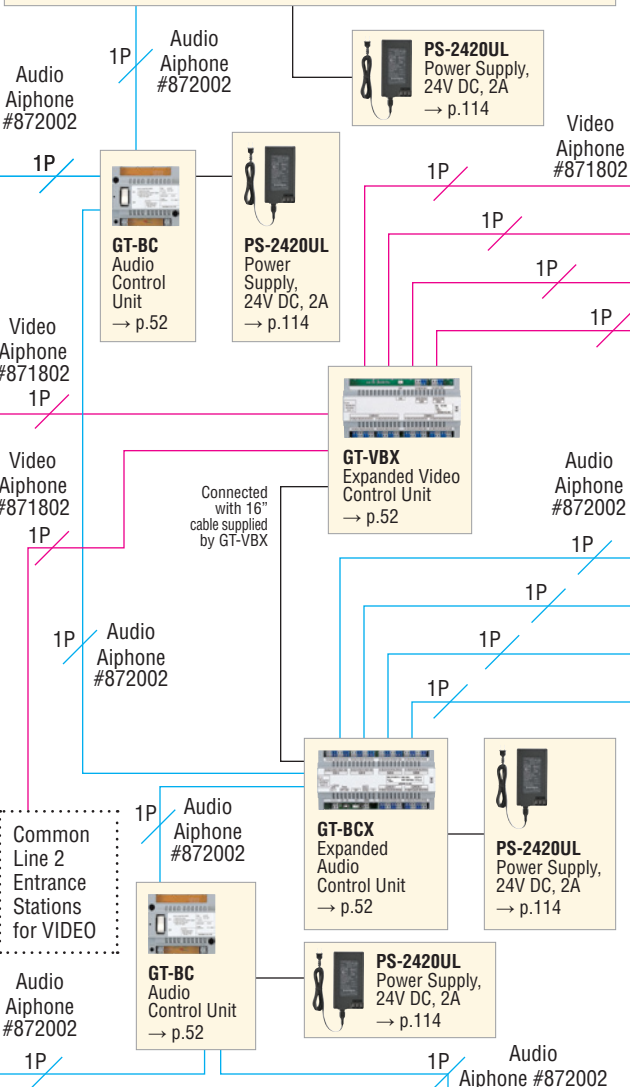
GUARD 1 & 2



GT-MK
Concierge Station
→ p.50



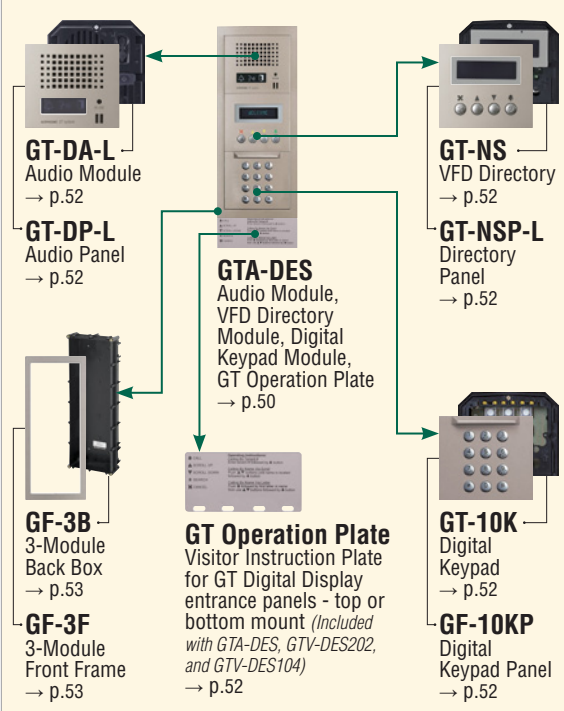
GT-MK
Concierge Station
(Shown with desk stand GFW-S)
→ p.50



Entrance Stations - Max. 8 entrances (Common Line 2)

ENTRANCE 9 ~ 16

Audio Digital Display - Sample Configuration
Audio Only or Audio/Video Entrance Stations can be used



Guard / Concierge - Up to 2 units

GUARD 3 & 4



GT-MK
Concierge Station
→ p.50



GT-MK
Concierge Station
(Shown with desk stand GFW-S)
→ p.50



Specifications & Unit Dimensions
See p.50 ~ p.53

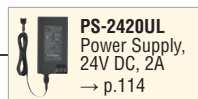
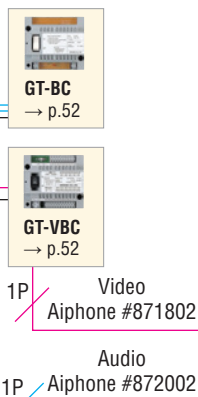
Wiring
See p.52

Tenant Master Stations - Up to 125 stations (Sub Trunk 1a)

TENANT 1 ~ 125

GT-2C / GT-2CB / GT-2CS
Full Featured PanTilt & Zoom Hands-free Video Tenant Master Station
→ p.51

NEW! Internal Communication
between Tenant Master and Sub Stations!



Tenant Door Stations

GT-D Audio Only Tenant Door Station → p.50

JK-DV → p.98

JK-DVF → p.98

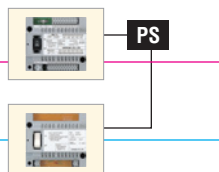
Tenant Sub Stations - Up to 3 sub stations per tenant

GT-2H / GT-2HB / GT-2HS
Full Featured PanTilt & Zoom Hands-free Video Tenant Sub Station
→ p.51

Options & Accessories

| | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------|
| GT-HS Optional Add-On Handset for GT-2C/B/S, GT-2H/B/S, and GT-1C/B/S → p.51 | GT-AD Address Module → p.52 | GT-SW Call Switch Module → p.52 | GT-VAX Dual CCTV Camera Module → p.52 | GF-HID ProxPoint Plus® Embedded HID® Card Reader → p.52 | GT-AC Access Control Keypad Module → p.52 |
| GF-AP Address Panel → p.52 | GF-1P 1-Call Panel → p.52 | GF-BP Blank Panel → p.52 | GT-OP2 2 Module Postal Lock → p.52 | GT-OP3 3 Module Postal Lock → p.52 | GT-nH Rain Hood (GT-203H Shown) → p.53 |
| GT Operation Plate Visitor Instruction Plate for GT Digital Display entrance panels - top or bottom mount (Included with GTA-DES, GTV-DES202, and GTV-DES104) → p.52 | GT-nHB Hooded Box for surface mounting (GT-203HB Shown) → p.53 | SBX-GTDM Surface mount box for GT-DM → p.53 | GFK-PS Panic Switch with pullcord | GT-RY External Activation Relay | KCW-D/B Video output converter to CCTV/DVR → p.110 |
| GT-4Z 4-Way Video Distribution Adaptor → p.52 | GTW-LC Multi-Relay Control Unit (For use with GT Expanded System only - Requires GT-BCX) → p.52 | W-DIN11 DIN Mounting Rail for control units → p.53 | GFW-S Desk Stand for GT-MK and GT-1M-L → p.50 | MCW-S/A Monitor Desk Stand for GT-2C, GT-2H, GT-1C, and GT-1A → p.116 | |

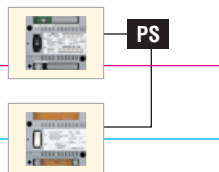
See Sub Trunk 1a above for details



Tenant Stations - Up to 125 stations (Sub Trunk 1b)

TENANT 126 ~ 250

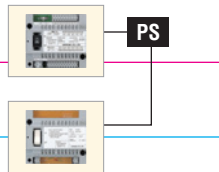
See Sub Trunk 1a above for details



Tenant Stations - Up to 125 stations (Sub Trunk 2a)

TENANT 251 ~ 375

See Sub Trunk 1a above for details



Tenant Stations - Up to 125 stations (Sub Trunk 2b)

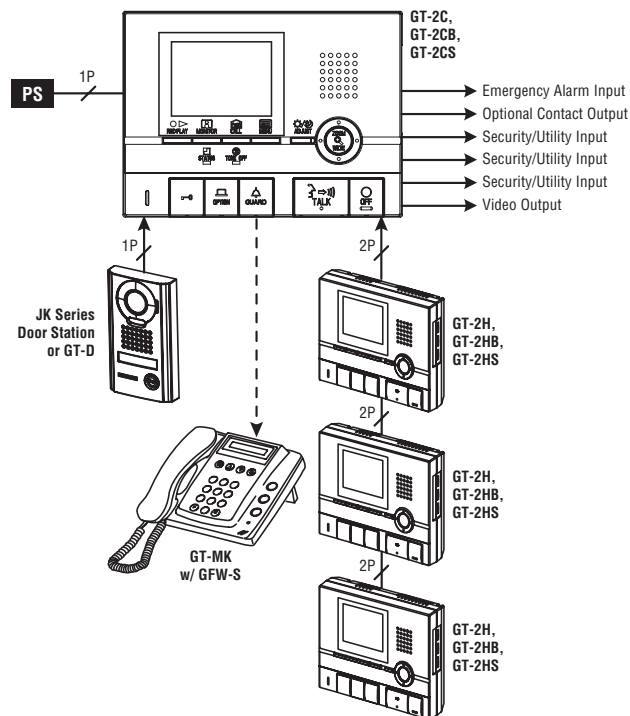
TENANT 376 ~ 500

Features - Includes same as Standard System plus:

- Up to 16 entrance panels, 4 guard/concierge stations, and 500 tenant stations
- 2 talkpaths when using Sub Trunk 1 & 2

Wiring

GT-2C/2CB/2CS Configuration Sample



Entrance Stations

All-In-One Video & Audio



GT-DM

170° Wide Angle Video Camera with Digital PanTilt Zoom, Hands-free Audio Communication, Access Control & Directory Scroll Keypad, Customizable LCD Screen, Motion Sensor for LCD Screen Activation, Voice Annunciation, Single Panel Stainless Steel body

Modular Video & Audio



GTV-DES104

Camera Module, Audio Module, VFD Directory Module, Digital Keypad Module, GT Operation Plate



GTV-DES202

Camera Module, Audio Module, VFD Directory Module, Digital Keypad Module, GT Operation Plate

Modular Audio Only



GTA-DES

Audio Module, VFD Directory Module, Digital Keypad Module, GT Operation Plate

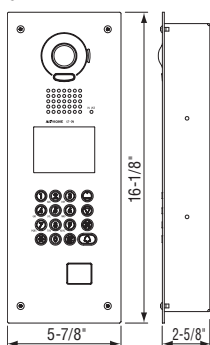
Features

- Hands-free audio communication
- 170° wide angle camera with Digital PanTilt Zoom to view video image of visitor when called from entrance, or a view of entry area when activated from the tenant station (GT-DM, GTV-DES104/202)
- Direct digit dialing, alphabetical scrolling, or "jump" scrolling by letter to select tenant name
- Digital panel can store up to 500 tenant name/number locations and 500 unique access codes to activate door release
- Customizable 3.5" color LCD with energy conservation mode activated by built-in motion sensor (GT-DM)
- Voice annunciation in English, French, German, Spanish, Dutch, and Italian
- Alpha-numeric room numbers and/or names can be programmed
- Scrolling welcome message, up to 160 characters, adjustable scroll speed
- VFD (Vacuum Fluorescent Display) displays calling unit name and number (GTV-DES104/202)
- PC program for loading resident information, access codes, and welcome message (Via USB)

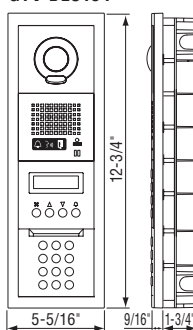
Specifications

- Power:** 24V DC, use specified number of PS-2420UL per system configuration
Temp. Rating 14° to 140° F
Material: Stainless Steel (GT-DM)
 Zinc die cast (GTV-DES104, GTV-DES202, GTA-DES, modular panels)
Calling: Electronic ring tone from entrance panel
Communication: Hands-free from entrance panel to tenant station
Talk Path: Single channel with privacy
Mounting: **GT-DM:** Flush mount - for surface mount use optional surface mount box (SBX-GTDM)
GTV-DES104/GTV-DES202/GTA-DES: Flush mount. For semi-flush mount use optional rain hood (GT-nH) or for surface mount use optional hooded box (GT-nHB)
Wire: 2-cond., solid, non-shielded, PE insulation
Distance: See table p. 52
Wire Type **Audio signal:** Aiphone #872002
Video signal: Aiphone #871802

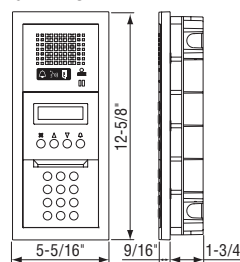
GT-DM



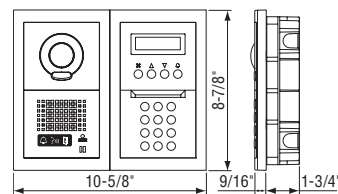
GTV-DES104



GTA-DES



GTV-DES202



Tenant Door Stations



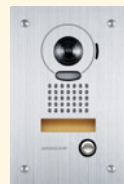
GT-D
Audio Only Tenant Door Station



JK-DA
→ p.98



JK-DV
→ p.98



JK-DVF
→ p.98

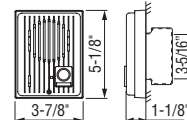
Features

- For installation outside of individual tenant doors
- Push button to call master & sub station(s)
- Hands-free communication when inside station answers
- Door release
- All JK door stations compatible

Specifications

- Power Source** Supplied by GT-2C
Temp. Rating 14° to 140° F
Wiring **Door to master:** 2-conductor
Distance See table p. 52
Wire Type **Door to master:** Aiphone #871802

GT-D



Concierge Station



GT-MK
Concierge Station



GFW-S
Desk Stand for GT-MK and GT-1M-L

Features (GT-MK)

- For audio or audio/video systems
- Call entrance or tenant stations
- Reception Mode intercepts visitor calls for screening by guard/concierge
- Door release

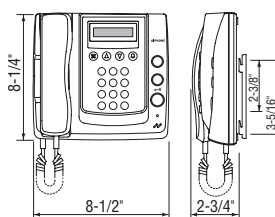
Specifications (GT-MK)

- Power Source** 24V DC, 200mA - Use PS-2420UL
Housing Fire-retardant ABS plastic
VFD Display Max. 16 letters for names
Mounting Wall or desk mount (for desk mount use GFW-S)
Wiring 2-cond., solid, non-shielded, PE insulation
Wire Type **Audio signal:** Aiphone #872002

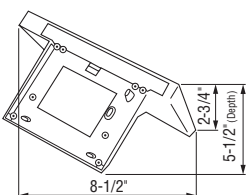
Features (GFW-S)

- Allows the GT-MK to be desk mounted
- GT-MK is propped up for easier viewing
- Pre-drilled mounting holes

GT-MK



GFW-S



Full Featured Hands-Free Tenant Stations



GT-2C / GT-2CB / GT-2CS
Full Featured PanTilt & Zoom Hands-free Video Tenant Master Station



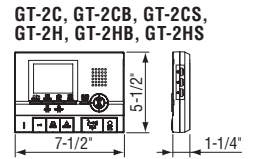
GT-2H / GT-2HB / GT-2HS
Full Featured PanTilt & Zoom Hands-free Video Tenant Sub Master Station

Features

- 3.5" LCD color monitor
- Picture Memory for recording visitor images
- Hands-free audio communication
- Optional Handset for privacy (GT-HS)
- Door release button
- Optional Service Button
- PTZ & brightness control
- Call tone volume control
- Communication volume control
- Security inputs for alerting tenant and guard
- Simple programming of station via dip switch setting
- Input for individual door station
- Internal communication to a maximum of 3 sub stations (GT-2H/2HB/2HS)
- Missed call from guard notification
- 6 language menu

Specifications

| | |
|---------------|------------------------------------------------------------------------------|
| Power Source | GT-2C: 24V DC, PS-2420UL GT-2H: Supplied by GT-2C/2CB/2CS |
| Ambient Temp. | 32°F ~ 104°F |
| Video Monitor | 3.5" Color LCD |
| Mounting | Wall mount or desk mount with MCW-S/A |
| Wiring | 2-cond., solid, non-shielded, PE insulation |
| Distance | See table p. 52 |
| Wire Type | Audio signal: Aiphone #872002 Video signal: Aiphone #871802 |



Hands-Free Tenant Stations



GT-1C / GT-1CB / GT-1CS
PanTilt & Zoom Hands-free Video Tenant Station



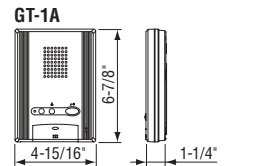
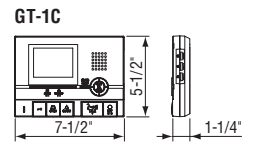
GT-1A
Hands-free Audio Only Tenant Station

Features

- 3.5" LCD color monitor
- Hands-free audio communication
- Optional Handset for privacy (GT-HS)
- Door release button & optional service button
- PTZ & brightness control
- Call tone volume control
- Communication volume control

Specifications

| | |
|---------------|------------------------------------------------------------------------------|
| Power Source | 24V DC, supplied by GT-BC, GT-VBC |
| Ambient Temp. | 32°F ~ 104°F |
| Video Monitor | 3.5" Color LCD (GT-1C/1CB/1CS) |
| Mounting | Wall mount or desk mount with MCW-S/A |
| Wiring | 2-cond., solid, non-shielded, PE insulation |
| Distance | See table p. 52 |
| Wire Type | Audio signal: Aiphone #872002 Video signal: Aiphone #871802 |



Optional Add-On Handset

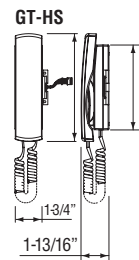


GT-HS
Optional Add-On Handset for GT-2C, GT-2CB, GT-2CS, GT-2H, GT-2HB, GT-2HS, GT-1C, GT-1CB, and GT-1CS

Looks great with black and silver tenant stations too!

Features

- Handset for privacy (available in white only)
- Easy to attach
- May be used with the GT-2C, GT-2CB, GT-2CS, GT-2H, GT-2HB, GT-2HS, GT-1C, GT-1CB, and GT-1CS



Handset Tenant Stations



GT-1M-L
Handset Video Tenant Station



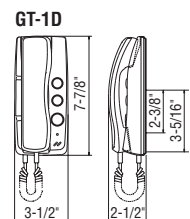
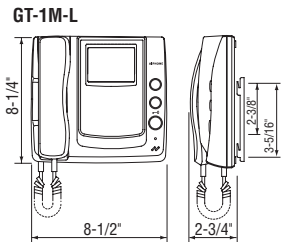
GT-1D
Handset Audio Only Tenant Station

Features

- 3.5" LCD color monitor and screen brightness control (GT-1M-L)
- Handset audio communication
- Door release button
- Security guard call button
- Call tone volume control


Specifications

| | |
|----------------|------------------------------------------------------------------------------|
| Power Source: | 24V DC, supplied from GT-BC, GT-VBC |
| Communication: | Simultaneous via handset |
| Monitor: | 3.5 inch color LCD (GT-1M-L) |
| Mounting: | Wall mount |
| Wiring | 2-cond., solid, non-shielded, PE insulation |
| Distance | See table p. 52 |
| Wire Type | Audio signal: Aiphone #872002 Video signal: Aiphone #871802 |




Multi-Tenant Intercoms


Entrance Station Modules



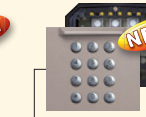
GT-VA
170° Digital PTZ
Camera Module



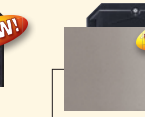
GT-DA-L
Audio Module




GT-NS
VFD Directory




GT-10K
Digital Keypad



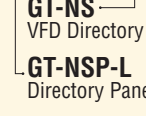
GT-VAX
Dual CCTV
Camera Module




GT-VP
Camera Panel



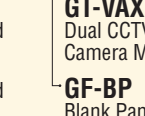
GT-DP-L
Audio Panel




GT-NSP-L
Directory Panel




GF-10KP
Digital Keypad
Panel




GF-BP
Blank Panel



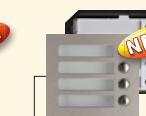
GT-SW
Call Switch
Module



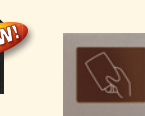
GT-SW
Call Switch
Module



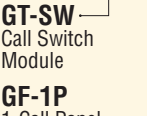
GT-SW
Call Switch
Module



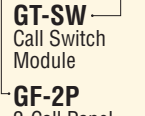
GT-SW
Call Switch
Module



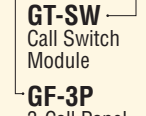
GF-HID
ProxPoint Plus®
Embedded
HID® Card
Reader



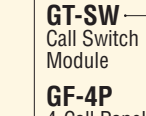
GF-1P
1-Call Panel




GF-2P
2-Call Panel




GF-3P
3-Call Panel




GF-4P
4-Call Panel



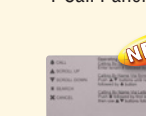
GT-AC
Access
Control
Keypad
Module



GT-AD
Address
Module



GF-BP
Blank Panel



GT Operation Plate
Visitor Instruction Plate for GT
Digital Display entrance panels -
top or bottom mount (Included with
GTA-DES, GTV-DES202, and GTV-DES104)

Specifications

Power Source GT-DA-L, GT-VA, GT-VAX, GT-10K, GT-SW, and GT-AD: Supplied by system GT-NS: PS-2420UL GT-AC: PS-2420UL

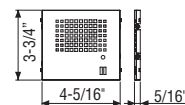
Housing Fire-retardant ABS plastic

Wiring 2-cond., solid, non-shielded, PE insulation

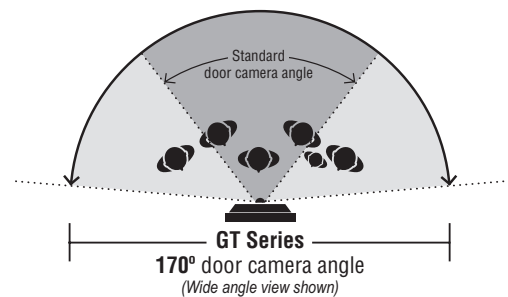
Wire Type **Audio signal:** Aiphone #872002 **Video signal:** Aiphone #871802

Temp. Rating GT-VA, GT-DA-L, GT-NS, GT-10K, GF-HID(I), GT-AC, GT-SW, and GT-AD-L: 14° - 140°F GT-VAX: 32° - 104°F


All GT & GF Panels




Camera View Area



Postal Lock Modules



GF-OP2
2 Module
Postal Lock



GF-OP3
3 Module
Postal Lock
(1 open module position)

Specifications (GF-OP2 & GF-OP3)

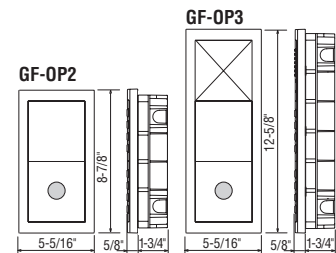
Power Source 24V DC - Use PS-2420UL

N/O Output Rating 5A at 30V DC
10A at 125V DC
3A at 250V DC

N/C Output Rating 3A at 30V DC or 125V AC

Wiring 2-cond., non-shielded from 24V DC power supply to GF-OP panel, 2-cond., non-shielded from GF-OP panel to strike, with power

Wire Type Aiphone #872002



Bus & Video Control Units



GT-BC
Audio
Control
Unit



GT-VBC
Video
Control
Unit



GT-BCX
Expanded
Audio
Control Unit



GT-VBX
Expanded
Video
Control Unit



GT-4Z
4-Way Video
Distribution Adaptor



GTW-LC
Multi-Relay Control Unit
(For use with GT Expanded
System only - Requires GT-BC)

Specifications

Power Source **GT-BC:** 24V DC, 900mA - Use PS-2420UL
GT-VBC: 24V DC, 1.1A - Use PS-2420UL
GTW-LC: Supplied by system

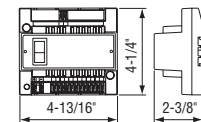
Mounting DIN rail (equipped with large units)
Use W-DIN11 for small units

Wiring 2-cond., solid, non-shielded, PE insulation

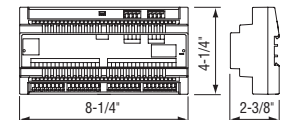
Distance See table

Wire Type **Audio signal:** Aiphone #872002
Video signal: Aiphone #871802

GT-BC, GT-4Z, GT-VBC



GT-BCX, GT-VBX, GTW-LC



| GT Wiring Distance | 22 AWG | 20 AWG | 18 AWG |
|-------------------------------------------------------------------------------------|--------|--------|--------|
| GT-BC to distribution point | 8' | 16' | 16' |
| Distribution point to Entrance Station | 980' | 980' | 980' |
| Distribution point to GT-MK | - | 980' | - |
| Distribution point to farthest GT-1A (Audio line) | 980' | 980' | 980' |
| GT-VBC to farthest monitor (Video line) 1 monitor/tenant | 330' | 500' | 500' |
| GT-VBC to farthest monitor (Video line) 2 monitors/tenant | 165' | 330' | 500' |
| GT-VBC (STD) to GT-VBC (EXP) | 330' | 500' | 500' |
| GT-BC / GT-VBC to power supply | 8' | 16' | 16' |
| GT-NS / GT-AC to power supply | 500' | 980' | 980' |
| GT-MK to Power Supply | 500' | 980' | 980' |
| Total cumulative wiring per common line (max. 2) and per sub trunk line (max. 4) | 8,200' | 8,200' | 8,200' |

Mounting Accessories



NEW!
SBX-GTDM
Surface mount
box for GT-DM

NEW!

GF-2F
2-Module
Front Frame

GF-3F
3-Module
Front Frame

GT-4F (Shown)
4-Module
Front Frame

NEW!



GF-2B
2-Module
Back Box

GF-3B
3-Module
Back Box

GF-4B
4-Module
Back Box



GT-nH
Rain Hood
(GT-203H shown)



GF-C
30" Internal Connector
for expanded direct
select panels



GT-nHB
Hooded Box for surface
mounting (GT-203HB shown)



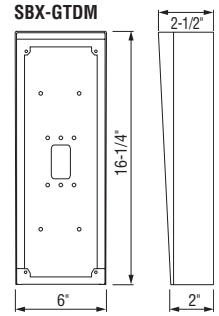
W-DIN11
DIN Mounting Rail
for GT control units

Features

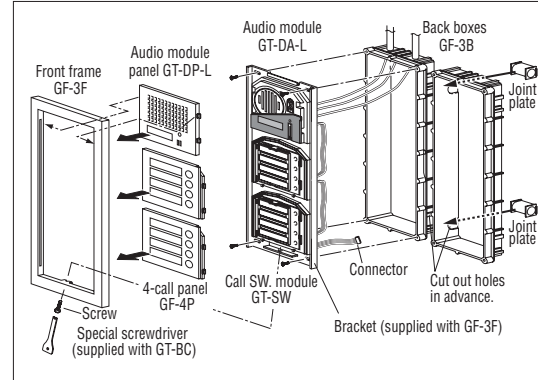
- Hood provides weather resistance
- Includes space inside for wiring
- Can mount directly to wall surface
- Openings at bottom allow for moisture drainage

Specifications

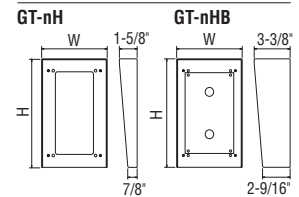
Material SBX-GTDM, 16AWG stainless steel
Mounting Hardware 8 x 32 with T-15 Torx head



Mounting

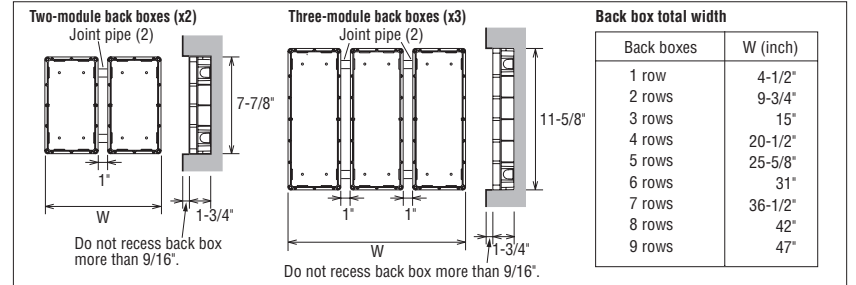


Rain Hood & Hooded Box



| Model | H (inch) | W (inch) |
|--------------|----------|----------|
| GT-102H / HB | 9-9/16" | 6-1/8" |
| GT-202H / HB | 9-9/16" | 11-7/16" |
| GT-103H / HB | 13-5/16" | 6-1/8" |
| GT-203H / HB | 13-5/16" | 11-7/16" |
| GT-104H / HB | 17-7/16" | 6-1/8" |
| GT-303HB | 13-5/16" | 16-3/4" |
| GF-2F | 8-7/8" | 5-5/16" |
| GF-3F | 12-5/8" | 5-5/16" |

Back Box



| Back boxes | W (inch) |
|------------|----------|
| 1 row | 4-1/2" |
| 2 rows | 9-3/4" |
| 3 rows | 15" |
| 4 rows | 20-1/2" |
| 5 rows | 25-5/8" |
| 6 rows | 31" |
| 7 rows | 36-1/2" |
| 8 rows | 42" |
| 9 rows | 47" |

Components Table (For larger configurations, please contact Technical Support)

| | 4-Call Direct Select | 8-Call Direct Select | 12-Call Direct Select | 12-Call Direct Select |
|-----------------------------------|----------------------|----------------------|-----------------------|-----------------------|
| Audio Only | | | | |
| Audio Modules | GT-DA-L GT-DP-L | GT-DA-L GT-DP-L | GT-DA-L GT-DP-L | GT-DA-L GT-DP-L |
| Call Switch Modules | GT-SW GF-4P | GT-SW x2 GF-4P x2 | GT-SW x3 GF-4P x3 | GT-SW x3 GF-4P x3 |
| Front Frame & Back Box | GF-2F GF-2B | GF-3F GF-3B | GF-2F x2 GF-2B x2 | GT-4F GT-4B |
| Options | N/A | N/A | N/A | N/A |

| | 4-Call Direct Select | 8-Call Direct Select | 12-Call Direct Select | 16-Call Direct Select | 16-Call Direct Select |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Audio and Video | | | | | |
| Audio/Camera Modules | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP |
| Call Switch Modules | GT-SW GF-4P | GT-SW x2 GF-4P x2 | GT-SW x3 GF-4P x3 | GT-SW x4 GF-4P x4 | GT-SW x4 GF-4P x4 |
| Front Frame & Back Box | GF-3F GF-3B | GF-2F x2 GF-2B x2 | GF-3F x2 GF-3B x2 | GF-3F x2 GF-3B x2 | GT-4F x2 GT-4B x2 |
| Options | N/A | N/A | GT-AD, GF-AP, GF-BP, GF-HID | N/A | GT-AD, GF-AP, GF-BP, GF-HID |

| | 16-Call Direct Select | 20-Call Direct Select | 24-Call Direct Select | Digital Display GTA-DES |
|-----------------------------------|--------------------------------|-----------------------|--------------------------------|-------------------------------------|
| Audio Only | | | | |
| Audio Modules | GT-DA-L GT-DP-L | GT-DA-L GT-DP-L | GT-DA-L GT-DP-L | GT-DA-L GT-DP-L |
| Call Switch Modules | GT-SW x4 GF-4P x4 | GT-SW x5 GF-4P x5 | GT-SW x6 GF-4P x6 | GT-NS, GT-NSP-L, GT-10K, GF-10KP |
| Front Frame & Back Box | GF-3F x2 GF-3B x2 | GF-3F x2 GF-3B x2 | GT-4F x2 GT-4B x2 | GF-3F GF-3B |
| Options | GT-AD, GF-AP, GF-BP, GF-HID | N/A | GT-AD, GF-AP, GF-BP, GF-HID | N/A |


| | 20-Call Direct Select | 24-Call Direct Select | Digital Display GTV-DES202 | Digital Display GTV-DES104 |
|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| Audio and Video | | | | |
| Audio/Camera Module | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP | GT-DA-L, GT-DP-L, GT-VA, GT-VP |
| Call Switch Modules | GT-SW x5 GF-4P x5 | GT-SW x6 GF-4P x6 | GT-NS, GT-NSP-L, GT-10K, GF-10KP | GT-NS, GT-NSP-L, GT-10K, GF-10KP |
| Front Frame & Back Box | GT-4F x2 GT-4B x2 | GT-4F x2 GT-4B x2 | GF-2F x2 GF-2B x2 | GT-4F GT-4B |
| Options | GT-AD, GF-AP, GF-BP, GF-HID | N/A | N/A | N/A |

DA-1DS

Single Tenant Entry Security

Entrance Station


DOOR 1



DA-1DS
1-Call Entrance Station

Tenant Station

TENANT 1




DA-1MD
Master Station

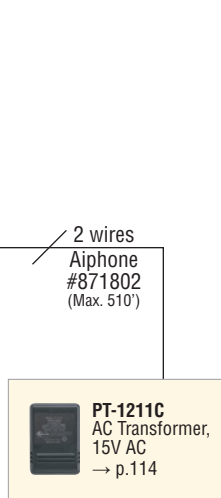
Options & Accessories



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
→ p.106



DAR-1
Call Extension Sounder
→ p.106



BOXED SET



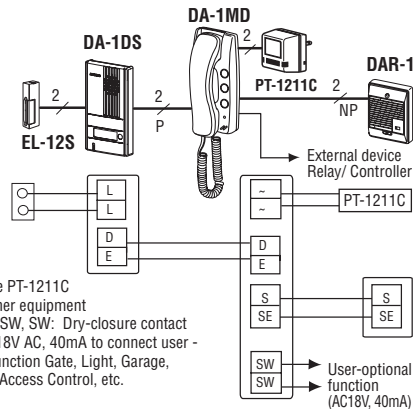
DA-1AS:
DA-1MD, DA-1DS,
and power supply

Features

- Door release powered by door station without the need of an additional transformer or wiring
- Service button to control an external device
- Call tone volume control with mute indicator
- Optional call extension sounder
- Backlit directory

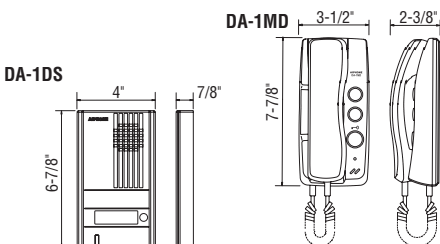
Wiring

NOTE: For door release use EL-12S or AC 9.5V ~ 20V, 70Ω



- OTHER NOTES:**
1. Do not use PT-1211C for any other equipment
 2. Terminals SW, SW: Dry-closure contact less than 18V AC, 40mA to connect user - optional function Gate, Light, Garage, Proximity Access Control, etc.

Unit Dimensions



Specifications

- Power Source** 15V AC - Use AC transformer PT-1211C, 120V
- Communication** Push and hold down button to call
- Door Release** Voltage output for EL-12S, or 9.5~20V AC, 70Ω or higher resistance
- Wiring** Door to master: 2-cond., overall shield
- Distance** Door to master: 360'(22AWG) 1,020'(18AWG)
Door strike to power supply: 360'(22AWG) 1,020'(18AWG)
- Wire Type** Aiphone #822202 or Aiphone #871802

DOOR
1

TENANT
4

DA-4DS

Multi-Tenant Entry Security

Entrance Stations - Select 1 unit

DOOR
1



DA-2DS
2-Call
Entrance
Station



DA-4DS
4-Call
Entrance
Station

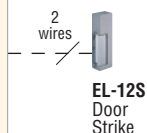
Tenant Station - Up to 4

TENANT
1 ~ 4



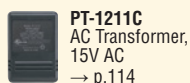
DA-1MD
Master Station

2 wires
Aiphone
#871802
(Max. 1,020')



2 wires
EL-12S
Door
Strike

2 wires
Aiphone
#871802
(Max. 510')



PT-1211C
AC Transformer,
15V AC
→ p.114

Options & Accessories



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
→ p.106

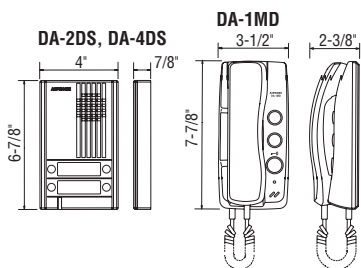


DAR-1
Call Extension
Sounder
→ p.106

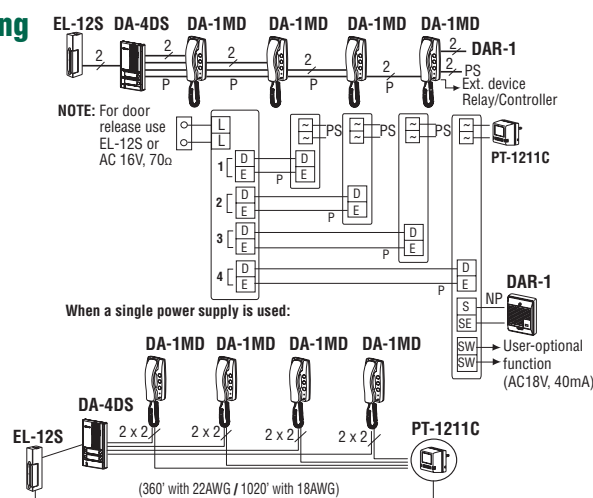
Features

- Door release powered by door station without the need of an additional transformer or wiring
- Service button to control an external device
- Call tone volume control with mute indicator
- Optional call extension sounder
- Backlit directory

Unit Dimensions



Wiring



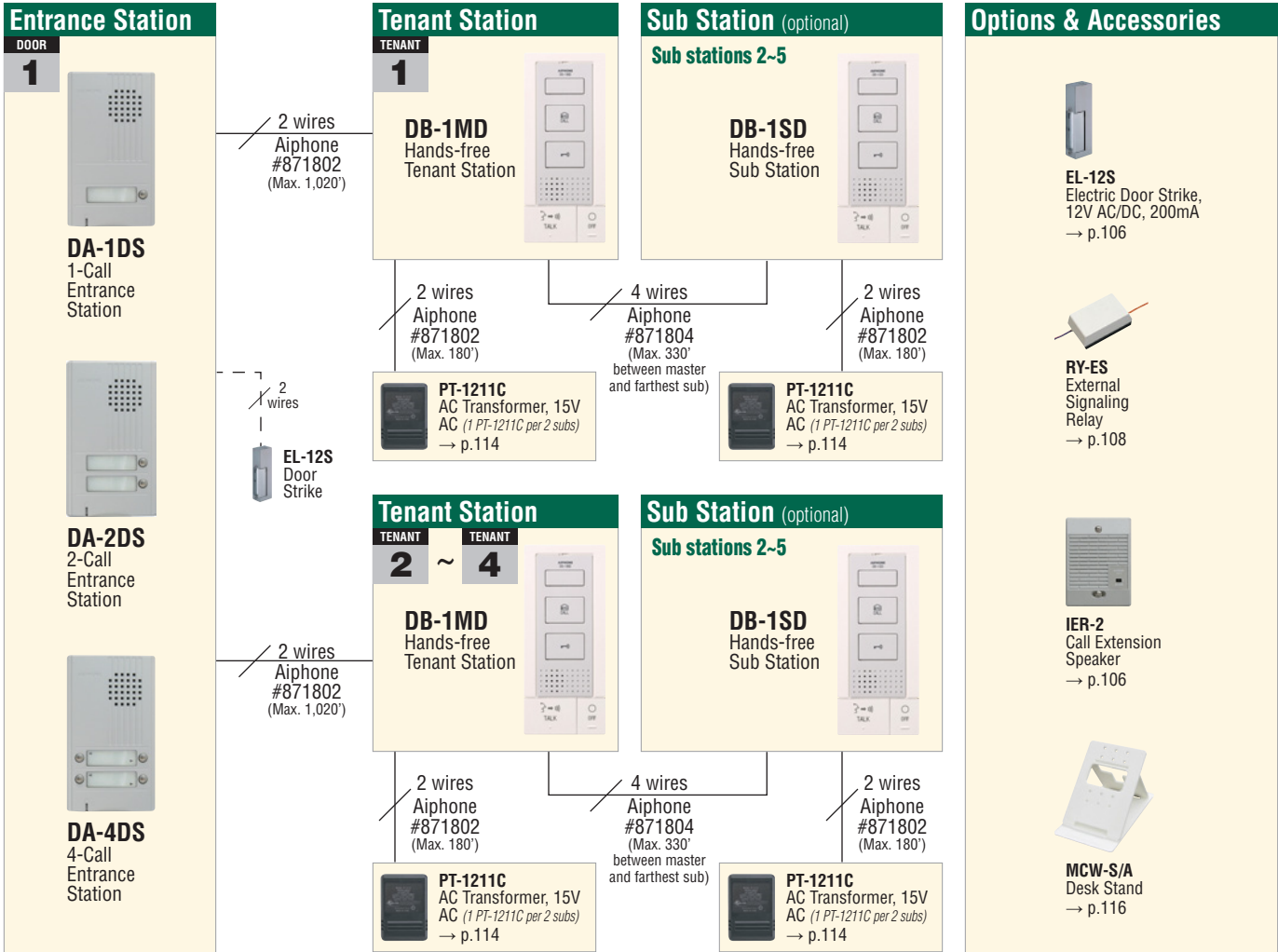
Specifications

| | |
|---------------|-----------------------------------------------------------------------------------------------------|
| Power Source | 15V AC - Use AC transformer PT-1211C, 120V |
| Communication | Push and hold down button to call |
| Door Release | Voltage output for EL-12S, or 9.5-20V AC, 70Ω or higher resistance |
| Wiring | Door to master: 2-cond., overall shield |
| Distance | Door to master: 360'(22AWG) 1,020'(18AWG) Door strike to power supply: 360'(22AWG) 1,020'(18AWG) |
| Wire Type | Aiphone #822202 or Aiphone #871802 |

Diagrams are for illustrative purposes only. System wiring may vary by installation. Refer to instructions for actual installation directions.

DB Series

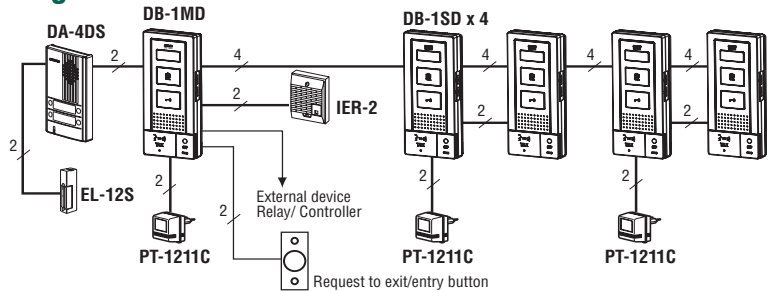
Single & Multi-Tenant Hands-free Entry Security



Features

- Door strike powered by door station without the need of an additional transformer or wiring
- Hands-free tenant station
- Service button to control an external device
- Call tone volume control with mute indicator
- All Call between tenant stations with room to room hands-free communication
- Backlit directory on door station

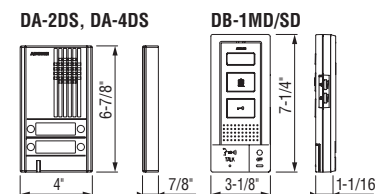
Wiring



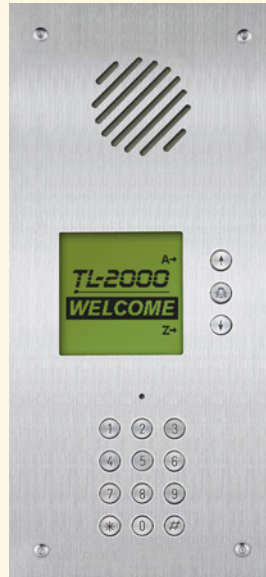
Specifications

| | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | 15V AC - Use AC transformer PT-1211C, 120V (1 required per master station and 1 required per 2 sub stations) |
| Communication | Hands-free or PTT |
| Door Release | Voltage output for EL-12S, or 9.5~20V AC, 70Ω or higher resistance |
| Wiring | Door to master: 2-conductor Master to Sub: 4-conductor Between subs: 4-conductor + 2-conductor when sharing power |
| Distance | Door to master: 360'(22AWG) 1,020'(18AWG) Door strike to power supply: 360'(22AWG) 1,020'(18AWG) Master to farthest sub: 330' maximum |
| Wire | Type Door to master: Aiphone #822202 or Aiphone #871802 Between masters/subs: Aiphone #812205 or Aiphone #871804 |

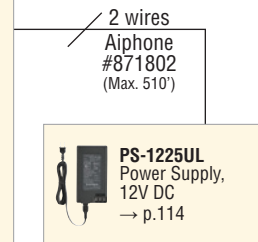
Unit Dimensions



Entrance Station



TL-2000
Telephone Door
Entrance Panel



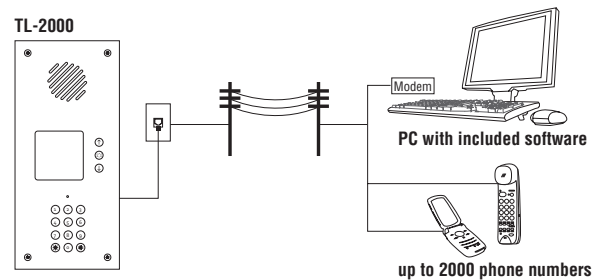
Features

- Contact tenants using a phone line
- Up to 5 TL-2000 entrance stations per phone line
- Up to 2,000 main telephone phone numbers/tenants and 2,000 secondary numbers can be used
- Door release
- Program up to 2,000 unique access codes
- RS-232 connection for programming
- PC software included to program and update device on or off site via modem or direct connection

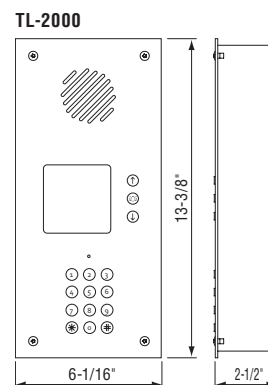
Specifications

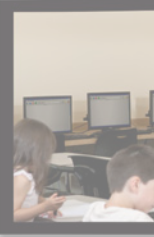
| | |
|----------------|--------------------------------------------------------|
| Power Source | 300mA at 12V DC - Use PS-1225UL |
| Communication | Standard analog DTMF "Touch Tone" / Cell phone |
| Door Release | 2A - 12V DC or 1A - 24V DC |
| Connectors | Operator analog line or PABX extension |
| Material | Stainless steel with security screws |
| Operating Temp | -31° F to +122° F |
| Programming | PC running Windows® XP, Windows® Vista, and Windows® 7 |
| Entry code | 3-8 digits |
| Wire | Standard category phone wire |

Wiring



Unit Dimensions





Audio Only Intercoms

For Instant Communication



Featured Audio Only Intercoms:

| | | | | |
|-------------------------------|------------------------------|---------------------------|---------------------------------------------------------------|-----------|
| DOOR/SUB 20 | MASTER 20 | ROOM 120 | IS Series Local Hardwired System | 60 |
| DOOR/SUB 20 | MASTER 20 | ROOM 120 | IS Series Rescue Assistance System | 62 |
| | STATIONS 11 | | LEF Series Open Voice Selective Call Systems | 64 |
| DOOR 1 | INSIDE 5 | | DB Series Hands-free Single Entry Security | 66 |
| DOOR 1 | INSIDE 4 | | LEM-1DL & LEM-1DLC Access Sentry | 67 |
| DOOR/SUB 3 | INSIDE 1 | | LEM Audio Open Voice Intercom | 68 |
| DOOR 1 | INSIDE 2 | | C-123L/A & C-123LW Chime Com | 69 |
| DOOR 1 | INSIDE 1 | | CCS-1A Set Chime Com2 | 70 |
| WINDOW 1 | INSIDE 1 | | IM Series Security Window System Set | 71 |
| DOOR 2 | INSIDE 6 | | IE-8 Series Chime Tone Intercom System | 72 |
| MASTER 1 | SUB 3 | | AT-406 Series Handset to Handset | 73 |
| DOOR 2 | CHANNELS 25 | | TD-H Series Selective Call Intercom | 74 |
| DOOR/SUB 3 | MASTER 1 | | MP-S Series Mid-Power Intercom | 76 |
| DOOR/SUB 10 | MASTER 2 | | AP-M Series High-Power Intercom | 77 |
| DOOR/SUB 120 | INSIDE 2 | | NEM Series Lamp Memory Intercom | 78 |
| SUB 80 | INSIDE 1 | DUTY 1 | NHX Series Nurse Call System (UL 1069 Listed) | 80 |
| STATIONS 60 | SPEAKERS ∞ | | MC Series Market Com | 83 |



Door / Sub Stations: MIX & MATCH up to 4 TOTAL Stations per IS-CCU

DOOR/SUB 4

IS-SS
Audio Only Door Station, stainless steel, flush mount → p.87

IS-SS-CI
Audio Only Door Station with CCTV camera input, stainless steel, flush mount → p.89

IS-SS-HID
IS-SS Door Station with embedded HID® ProxPoint® Plus Proximity Card Reader → p.88

IS-SS-HID-I
IS-SS Door Station with embedded HID® iCLASS™ Smart Card Reader → p.88

2 wires L — EL-12S Door Strike → p.106

2 wires L — PT-1210N AC Transformer, 12V AC (Required for EL-12S)

Output: 8Ω, 0.5 W — SP-2570N Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount → p.112

IS-RS
Audio Only Room Sub Station → p.87

Door / Sub Stations: MIX & MATCH up to 8 TOTAL Stations per IS-SCU

DOOR/SUB 8

IS-SS
→ p.87

IS-SS-CI
→ p.89

IS-SS-HID
→ p.88

IS-SS-HID-I
→ p.88

2 wires L — EL-12S Door Strike → p.106

2 wires L — PT-1210N AC Transformer, 12V AC (Required for EL-12S)

Output: 8Ω, 0.5 W — SP-2570N Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount → p.112

IS-RS
Audio Only Room Sub Station → p.87

Central Control Unit

DOOR/SUB 4 MASTER 4

IS-CCU
Central Control Unit
(Maximum 4 Master and 4 Door/Sub Stations per IS-CCU) → p.86

CAT-5e/6 wire
N/A from Aiphone
(Variable distances, see Wiring Table → p.61)

IS-PU-UL
Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

Add-On Control Unit: Max. 2 per IS-CCU

DOOR/SUB 8 MASTER 8

IS-SCU
Add-On Central Control Unit
(Maximum 8 Master and 8 Door/Sub Stations per IS-SCU) → p.86

IS-PU-UL
Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

Room Station Control Unit: Max. 4 per IS-CCU

ROOM 30

IS-RCU
Room Station Control Unit
(Maximum 30 Audio Only Door/Sub Stations per IS-RCU) → p.86

IS-PU-UL
Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')

IS-RCU ROOM 30

IS-RCU ROOM 30

IS-RCU ROOM 30

IS-RCU ROOM 30

DOOR/SUB 5,120 MASTER 5,120 ROOM 30,720 IP ADDRESS 768

*** Expand the IS Series over a network! See p.16**

Network / Phone Interface Unit: Max. 1 per IS-CCU

IS-IPC
Network / Phone Interface Unit → p.86

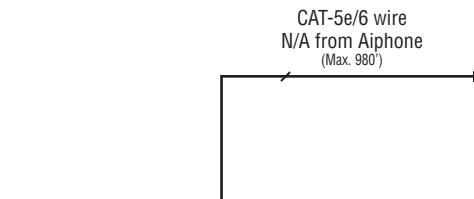
IP Addressable Device

IS-PU-UL
Power Supply, 48V DC, 2A → p.86

2 wires Aiphone #871802 (Max. 50')



Audio Only Intercoms

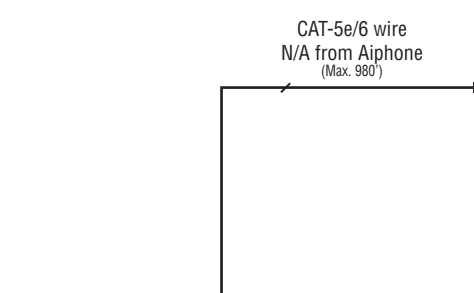


Master Station: Up to 4 TOTAL Stations per IS-CCU

MASTER
4



IS-MV
Master Station
→ p.87



Master Station: Up to 8 TOTAL Stations per IS-SCU

MASTER
8



IS-MV
Master Station
→ p.87



Room Stations: MIX & MATCH up to 30 TOTAL Stations per IS-RCU

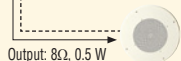
ROOM
30



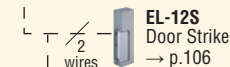
IS-RS
→ p.87



IS-SS
→ p.87



SP-2570N
Ceiling Speaker,
8Ω, 25/70V, 4W,
flush mount
→ p.112



EL-12S
Door Strike
→ p.106



PT-1210N
AC Transformer,
12V AC
(Required for EL-12S)

Wiring

| IS Series Wiring Distance | CAT-5e / 6 wire |
|-----------------------------------------------------------|-----------------|
| Door / Sub Station to IS-CCU / IS-SCU | 980' |
| IS-MV to IS-CCU / IS-SCU | 980' |
| IS-RS to IS-CCU / IS-SCU / IS-RCU | 490' |
| IS-SS to IS-CCU / IS-SCU / IS-RCU | 980' |
| IS-SCU to IS-CCU using 3 CAT-5e/6 cables | 650' |
| IS-RCU to IS-CCU using 2 CAT-5e/6 cables | 650' |
| IS-IPC to IS-CCU / IS-RCU (x3 to IS-CCU and x2 to IS-RCU) | 33' |
| IS-IPC to network node | 330' |

Features

NOTE: For features of the IS Series see p.12

Specifications

NOTE: For specifications of the IS Series see p.13

Options & Accessories



SBX-ISDVF
Surface Mount
Box for IS-SS
→ p.93



SBX-ISDVF
Surface Mount
Box for IS-SS-HID, and
IS-SS-HID-I
→ p.93



SBX-ISDVFRA
Surface Mount
Box for IS-SS-CI
→ p.93



LB-SDVF
Lock Box for IS-SS
(Lock not included)
→ p.93



IS-RACK
Mounting Rack
for IS-PU-UL
(For up to 3 power
supplies - shown
with 1 IS-PU-UL)
→ p.86



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106

Wall Mounts & Towers



IS-WBCA*
ADA Compliant Wall Box with Light Cage, Beacon, and "ASSISTANCE" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92



IS-WBHA*
ADA Compliant Wall Box with Light Hood, Beacon, and "ASSISTANCE" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92

& IS-WBCE*
ADA Compliant Wall Box with Light Cage, Beacon, and "EMERGENCY" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92

& IS-WBHE*
ADA Compliant Wall Box with Light Hood, Beacon, and "EMERGENCY" Lettering for any IS Series Rescue Assistance Station, stainless steel, wall mount
→ p.92



Modular Towers*
Modular tower design provides lower freight costs, easy assembly, and a variety of configurations and colors using any IS Series Rescue Assistance Station, zinc treatment, powder-coated exterior, freestanding
→ p.90

NEW!

* POWER SUPPLY REQUIRED WHEN INSTALLING STROBE LIGHT WITH WALL BOX OR TOWER
2 wires - Aiphone #871802 (Max. 980')

PS-2420UL
Power Supply,
24V DC, 2A
→ p.114

RA Stations: MIX & MATCH up to 4 TOTAL Stations per IS-CCU

DOOR/SUB
4



IS-SS-2RA
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, CCTV input, stainless steel, flush mount
→ p.89

IS-SS-2RA-R
→ p.89



IS-SS-RA
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, single call button, 2 form C relay outputs, CCTV input, stainless steel, flush mount
→ p.89

IS-SS-RA-R
→ p.89

RA Stations: MIX & MATCH up to 8 TOTAL Stations per IS-SCU

DOOR/SUB
8



IS-SS-2RA
→ p.89

IS-SS-2RA-R
→ p.89



IS-SS-RA
→ p.89

IS-SS-RA-R
→ p.89

RA Stations: MIX & MATCH up to 30 TOTAL Stations per IS-RCU

DOOR/SUB
30



IS-SS-2RA-R
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, stainless steel, flush mount
→ p.89



IS-SS-RA-R
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, single call button, 2 form C relay outputs, stainless steel, flush mount
→ p.89

Features

NOTE: For features of the IS Series see p.12

Specifications


NOTE: For specifications of the IS Series see p.13

Central Control Unit

DOOR/SUB **4** MASTER **4**



IS-CCU
Central Control Unit
(Maximum 4 Master and 4 Door/Sub Stations per IS-CCU)
→ p.86




IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')

Master Station: Up to 4 TOTAL Stations per IS-CCU

MASTER **4**




IS-MV
Master Station
→ p.87

Add-On Control Unit: Max. 2 per IS-CCU

DOOR/SUB **8** MASTER **8**



IS-SCU
Add-On Central Control Unit
(Maximum 8 Master and 8 Door/Sub Stations per IS-SCU)
→ p.86



IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')

Master Station: Up to 8 TOTAL Stations per IS-SCU

MASTER **8**




IS-MV
Master Station
→ p.87

**Room Station Control Unit:
Max. 4 per IS-CCU**

ROOM **30**




IS-RCU
Room Station Control Unit
(Maximum 30 Audio Only Door/Sub Stations per IS-RCU)
→ p.86




IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')


Options & Accessories



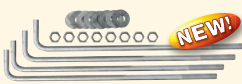
SBX-ISDVFRA
Surface Mount Box
for IS-DVF-2RA,
IS-SS-2RA,
IS-SS-2RA-R,
IS-SS-RA, and
IS-SS-RA-R
→ p.93



IS-IFB
Interface Box for
mounting IS Series
Rescue Assistance Door
Stations to existing Code
Blue® or Talk-A-Phone®
Towers and Wall Boxes
→ p.93




IS-RACK
Mounting Rack
for IS-PU-UL
(For up to 3 power
supplies - shown
with 1 IS-PU-UL)
→ p.86




TW-MKL
L-Bolt Mounting
Kit for IS Series
Modular Towers
→ p.91

x3




IS-SCU

x3




IS-RCU

x2




IS-RCU

x2



IS-RCU



IS-PU-UL
Power Supply,
48V DC, 2A
→ p.86

2 wires
Aiphone
#871802
(Max. 50')

**Network / Phone Interface Unit:
Max. 1 per IS-CCU**

x3



IS-IPC*
Network / Phone Interface Unit
→ p.86

* Recommended only for telephone
line transfer with RA applications

Telephone
Line Transfer



Wiring


| IS Series Wiring Distance | CAT-5e / 6 wire |
|---------------------------------------------------------------------------------|-----------------|
| IS-DVF-2RA / IS-SS-2RA / IS-SS-2RA-R / IS-SS-RA / IS-SS-RA-R to IS-CCU / IS-SCU | 980' |
| IS-MV to IS-CCU / IS-SCU | 980' |
| IS-SS-2RA-R / IS-SS-RA-R to IS-RCU | 980' |
| IS-CCU to IS-SCU using 3 CAT-5e/6 cables | 650' |
| IS-CCU to IS-RCU using 2 CAT-5e/6 cables | 650' |

LEF Series


Open Voice Selective Call Systems

Door Stations: MIX & MATCH up to 11 TOTAL LEF components


STATIONS 11




LE-D
Door Station, plastic cover, surface mount
→ p.101




LE-SS-1G
Door Station, vandal resistant, stainless steel, flush mount
→ p.101




LE-DA
Door Station, stainless steel faceplate, flush mount
→ p.101




LE-SS/A
Door Station, vandal resistant, stainless steel, flush mount
→ p.101



LE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount
→ p.101



LE-SSV
Door Station with built-in CCTV camera, stainless steel, flush mount
→ p.101




LS-NVP/C
Door Station, vandal resistant, powder-coated steel, flush mount
→ p.101


Master Stations: MIX & MATCH up to 11 TOTAL LEF components

STATIONS 11


Surface Mount Designs




LEF-3
3-Call Master Station




LEF-3L
3-Call Master Station with selective door release



LEF-5
5-Call Master Station with selective door release




LEF-10
10-Call Master Station with selective door release




LEF-10S*
10-Call Master Station with All Call button and selective door release


Semi-flush Designs



LEF-3C*
3-Call Master Station with All Call button



LEF-5C*
5-Call Master Station with All Call button and selective door release




LEF-10C*
10-Call Master Station with All Call button and selective door release


**All Call requires BG-10C*

Speaker Stations: MIX & MATCH Up to 11 TOTAL LEF components

STATIONS 11



AH-108
Horn Speaker, 8Ω, 10W
→ p.113



SP-20N
Ceiling Speaker, flush mount (Requires NP-25V)
→ p.112

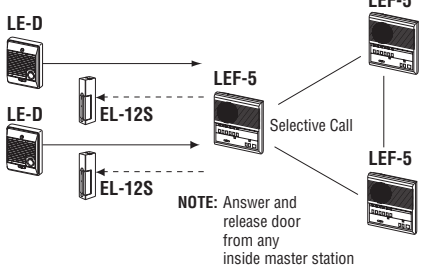
Paging Adaptor: MIX & MATCH Up to 11 TOTAL LEF components

BA-1
Paging Adaptor
→ p.111

Features

- Intermix masters and subs to create desired communication (up to 11 total components)
- Selective Call and monitoring
- 3, 5, and 10-call masters
- Wide variety of master and sub stations available
- Push-to-talk at master, hands-free reply at called station
- Call tone and LED annunciation at master
- Selective door release (w/ RY-PA per door) on LEF-3L/5/10 masters
- All Call with LEF-10S and all LEF-C masters (requires BG-10C)

Communication Network



Wiring

| Component | Wire # | Gauge | Conductor |
|-------------------------------------------------------|--------|--------|------------------------------|
| ▼ LEF Standard Wiring | | | |
| LEF-3 | 822210 | 22 AWG | 10 conductor, overall shield |
| LEF-5 | 822212 | 22 AWG | 12 conductor, overall shield |
| LEF-10, LEF-10S | 822220 | 22 AWG | 20 conductor, overall shield |
| ▼ LEF-10C Wiring | | | |
| Homerun to BG-10C | 822212 | 22 AWG | 12 conductor, overall shield |
| Looped (max. 9 stations) | 822220 | 22 AWG | 20 conductor, overall shield |
| LEF-3C | 822212 | 22 AWG | 12 conductor, overall shield |
| LEF-5C | 822215 | 22 AWG | 15 conductor, overall shield |
| LEF-10C | 822220 | 22 AWG | 20 conductor, overall shield |
| BG-10C to Master | 822220 | 22 AWG | 20 conductor, overall shield |
| ▼ Sub / Door Station Wiring (not LE-C / LE-CN) | | | |
| Homerun (22AWG) | 822203 | 22 AWG | 3 conductor, overall shield |
| Homerun (18AWG) | 821803 | 18 AWG | 3 conductor, overall shield |
| Looped (max. 4 stations) | 822206 | 22 AWG | 6 conductor, overall shield |
| Looped (max. 8 stations) | 822210 | 22 AWG | 10 conductor, overall shield |
| LE-A3, LE-AN3 | 822206 | 22 AWG | 6 conductor, overall shield |
| ▼ LE-C / LE-CN Wiring | | | |
| Homerun to BG-10C | 822206 | 22 AWG | 6 conductor, overall shield |
| Looped (max. 3 stations) | 822210 | 22 AWG | 10 conductor, overall shield |
| ▼ Door Release Wiring (K Terminals) | | | |
| LEF-3L | 822212 | 22 AWG | 12 conductor, overall shield |
| LEF-5, LEF-5C | 822220 | 22 AWG | 20 conductor, overall shield |
| LEF-10, LEF-10S, LEF-10C | 822220 | 22 AWG | 20 conductor, overall shield |
| Additional Wiring for Door Release (optional) | 822210 | 22 AWG | 10 conductor, overall shield |

MIX & MATCH Up to 11 TOTAL different LEF components

Sub Stations: Communication to Master

STATIONS
11

Surface Mount Designs



LE-A
Sub Station



LE-AN
Privacy Sub Station



LE-A3 (Shown)
3-Call Sub Station

LE-AN3
3-Call Privacy Sub Station

Semi-flush Designs



LE-B
Sub Station



LE-BN
Privacy Sub Station



LE-C
Sub Station with music volume control
(Requires BG-10C)

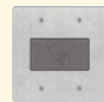


LE-CN
Privacy Sub Station with music volume control
(Requires BG-10C)



LEF-1C
Sub Master Station with All Call button
(Requires BG-10C)

Options & Accessories



HID-SS
Accessory Station with Embedded HID® Proximity Card Reader
→ p.107



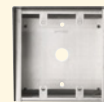
ICP-BR
Brass Faceplate for LE-DA
→ p.106



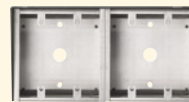
ICP-AB
Antique Brass Faceplate for LE-DA
→ p.106



SBX-1G
Surface Mount Box for LE-SS-1G
→ p.103



SBX-2G
Surface Mount Box for LE-SS/A, LE-SSR, and LE-SSV
→ p.103



SBX-2BH
Horizontal Mount Box for LE-SS/A, LE-SSR, or LE-SSV (Vertical mount also available - SBX-2BV)
→ p.103



SBX-NVP
Surface Mount Box for LS-NVP/C
→ p.104



BBX-1E (Shown)
Back Box for flush mounting LE-B, LE-BN, LE-C, LE-CN, LEF-1C, and LEF-3C
→ p.104

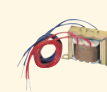
BBX-3E
Back Box for flush mounting LEF-5C and LEF-10C
→ p.104



EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106



RY-PA
Door Release Relay
→ p.106



LT-1
20Ω-to-8Ω Matching Transformer



LEW-5, LEW-10, LEW-10S
Terminal Box



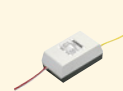
BG-10C
All Call, Chime and Music Adaptor
→ p.115



NP-25V
Non-polarized capacitor, 33μF, 25V



NP-B
Indoor Call Button, flush mount
(Use NP-W surface mount box when needed)



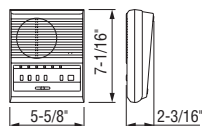
RY-AC/A
External Signaling Relay
→ p.108



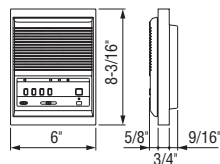
PS-1225UL
Power Supply, 12V DC
→ p.114

Unit Dimensions

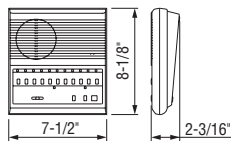
LEF-3, LEF-3L



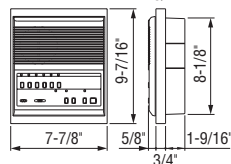
LEF-1C, LEF-3C



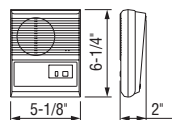
LEF-5, LEF-10, LEF-10S



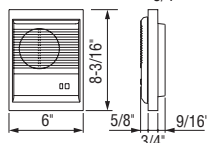
LEF-5C, LEF-10C



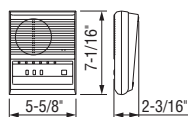
LE-A, LE-AN



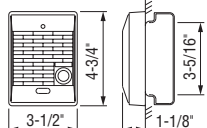
LE-B, LE-BN, LE-C, LE-CN



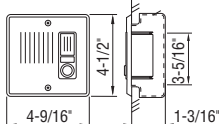
LE-A3, LE-AN3



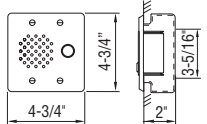
LE-D



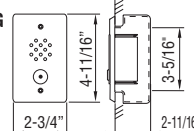
LE-DA



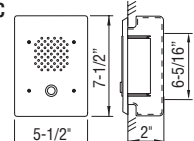
LE-SS/A, LE-SSR, LE-SSV



LE-SS-1G



LS-NVP/C



Specifications

Power Source 12V DC - Use PS-1225UL

Communication Sub calls in with call-tone and LED, 20 sec. Push the LED selector button, use TALK/LISTEN switch. Master calls in with tone or voice (no LED lit), reply hands-free. To call, push a selector, and call by voice or tone. Door chime available with BG-10C.

Communication Output 500mW

Door Release RY-PA Contact rating: 24V DC, 1A
Use 1 RY-PA per door being released

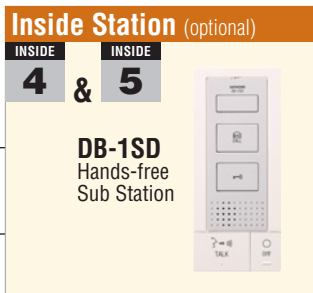
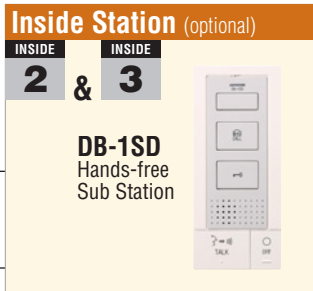
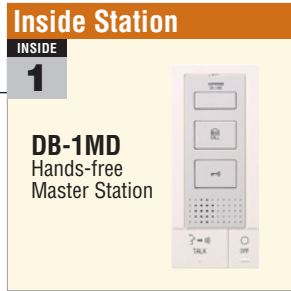
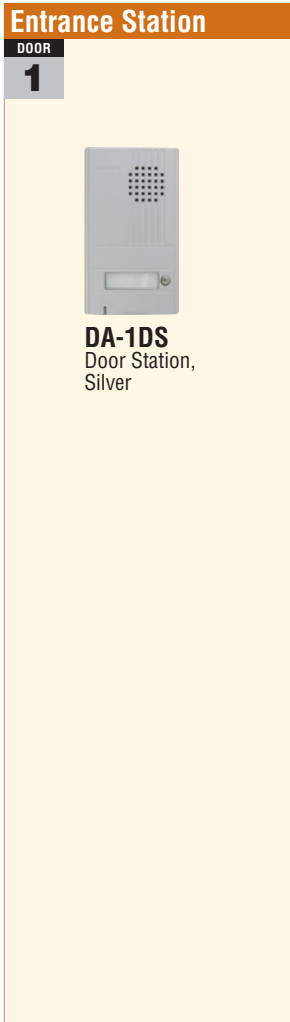
Wiring See "Wiring" on previous page

Distance Door/Sub to farthest master: 650' (22AWG) 1,600' (18AWG)

Wire Type See "Wiring" on previous page

DB Series

Hands-free Single Entry Security



Options & Accessories

- EL-12S Electric Door Strike, 12V AC/DC, 200mA → p.106
- RY-ES External Signaling Relay → p.108
- IER-2 Call Extension Speaker → p.106
- MCW-S/A Desk Stand → p.116

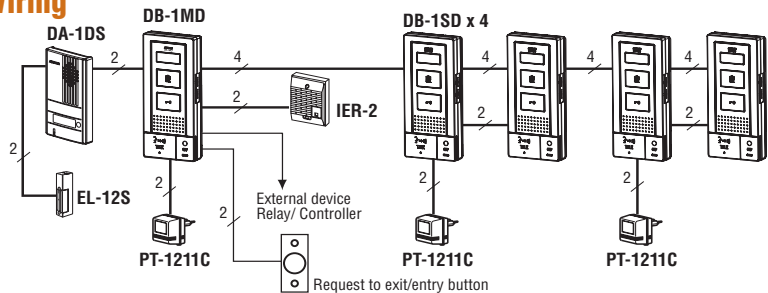
BOXED SET

DBS-1A:
DB-1MD, DA-1DS, and power supply

Features

- Door strike powered by door station without the need of an additional transformer or wiring
- Hands-free tenant station
- Service button to control an external device
- Call tone volume control with mute indicator
- All Call between tenant stations with room to room hands-free communication
- Backlit directory on door station

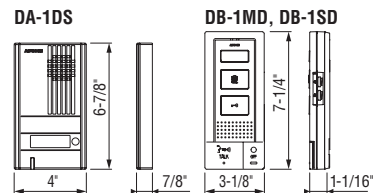
Wiring



Specifications

- Power Source** 15V AC - Use AC transformer PT-1211C, 120V (1 required per master station and 1 required per 2 sub stations)
- Communication** Hands-free or PTT
- Door Release** Voltage output for EL-12S, or 9.5~20V AC, 70Ω or higher resistance
- Wiring** Door to master: 2-conductor
Master to sub: 4-conductor
Between subs: 4-conductor + 2-conductor when sharing power
- Distance** Door to master: 360'(22AWG) 1020'(18AWG)
Master to farthest sub: 330'(22AWG) 330'(18AWG)
- Wire Type** Door to master: Aiphone #822202 or Aiphone #871802
Between masters/subs: Aiphone #812205 or Aiphone #871804

Unit Dimensions



LEM-1DL & LEM-1DLC

Access Sentry

Door Stations - Select 1 unit

DOOR 1

LE-D
Door Station, plastic cover, surface mount → p.101

LE-SS-1G
Door Station, stainless steel, flush mount → p.101

LE-DA
Door Station, stainless steel faceplate, flush mount → p.101

LE-SS/A
Door Station, vandal resistant, stainless steel, flush mount → p.101

LE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount → p.101

LE-SSV
Door Station with a built-in CCTV camera, stainless steel, flush mount → p.101

LS-NVP/C
Door Station, vandal resistant, powder-coated steel, flush mount → p.101

Inside Stations - Select 1 unit

INSIDE 1

LEM-1DL
Master Station with door release button

LEM-1DLC
Master Station, multi-master system, max. 4

EL-12S
Door Strike

PT-1210N
AC Transformer, 12V AC
(One PT-1210N is required for every master station)
→ p.106

PT-1210N
AC Transformer, 12V AC
(One PT-1210N is required for every master station)
→ p.106

INSIDE 2 **INSIDE 4**

LEM-1DL
Master Station with door release button
(Requires DAK-2S per every two masters in the system)

LEM-1DLC
Master Station, multi-master system, max. 4

2 wires Aiphone #822202 (Max. 650' between master and farthest sub)

2 x 2 wires Aiphone #822202 (Max. 650' between door and farthest master)

3 + 2 wires Aiphone #822203 & #822202 (Max. 650' between door and farthest master)

Options & Accessories

HID-SS
Accessory Station with Embedded HID® Proximity Card Reader → p.107

ICP-BR
Brass Faceplate for LE-DA → p.106

ICP-AB
Antique Brass Faceplate for LE-DA → p.106

SBX-2G
Surface Mount Box for LE-DA, LE-SS/A, LE-SSR, and LE-SSV → p.103

SBX-2BH
Horizontal Mount Box for HID-SS and LE-SS/A, LE-SSR, or LE-SSV (Vertical mount also available - SBX-2BV) → p.103

SBX-NVP
Surface Mount Box for LS-NVP/C → p.104

EL-12S
Electric Door Strike, 12V AC/DC, 200mA (Requires PT-1210N) → p.106

RY-18L
Form C Door Release Relay → p.107

DAK-2S
Dual Master Adaptor Kit → p.116

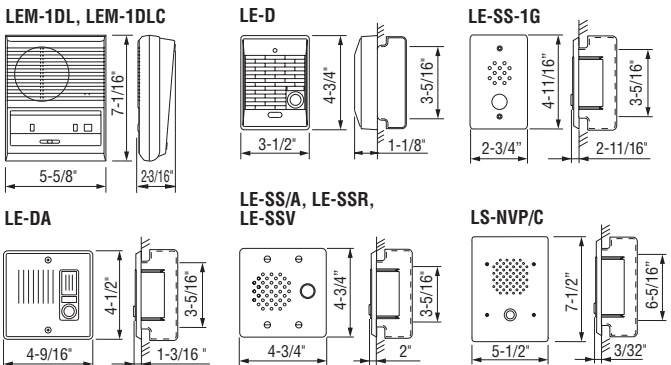
BOXED SET

LEM-1DLS:
LEM-1DL, LE-D, and power supply

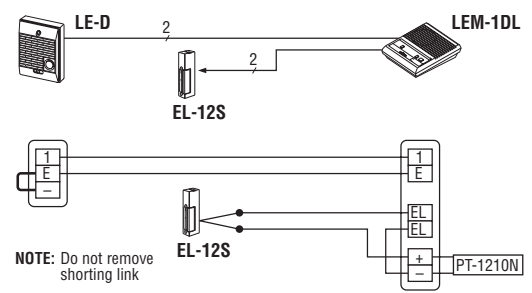
Features

- Door release (N/O contact)
- Calling and 2-way communication
- Call tone and voice volume control
- AC 12~16V or DC 12~24V powered
- Any LE or LS series door station is compatible

Unit Dimensions



Wiring



Specifications

- Power Source** 12~16V AC - Use PT-1210N
12~24V DC, 200mA
- Communication** When called by tone, push TALK to reply, push door release button to release door and push OFF for standby
- Door Release** Contact rating: 30V AC or DC, 1A
- Wiring** Door/Sub to master: 2-cond., overall shield
- Distance** Door/Sub to farthest master: 650'(22AWG) 1,600'(18AWG)
- Wire Type** Aiphone #822202

Door/Sub Stations: MIX & MATCH up to 3 TOTAL LEM units

DOOR/SUB 3

LE-D
Door Station, plastic cover, surface mount
→ p.101

LE-SS-1G
Door Station, vandal resistant, stainless steel, flush mount
→ p.101

LE-DA
Door Station, stainless steel faceplate, flush mount
→ p.101

LE-SS/A
Door Station, vandal resistant, stainless steel, flush mount
→ p.101

LE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount
→ p.101

LE-SSV
Door Station with built-in CCTV camera, stainless steel, flush mount
→ p.101

LS-NVP/C
Door Station, vandal resistant, powder-coated steel, flush mount
→ p.101

Interior Use Only

LE-A (Shown)
Sub Station, surface mount

LE-B (Shown)
Sub Station, semi-flush mount

LE-A3 (Shown)
3-Call Sub Station, surface mount

BA-1
Paging Adaptor
→ p.111

LE-AN
Privacy Sub Station, surface mount

LE-BN
Privacy Sub Station, semi-flush mount

LE-AN3
3-Call Privacy Sub Station, surface mount

Inside Stations - Select 1 unit

INSIDE 1

LEM-1*
1-Call Master Station, surface mount

LEM-3**
3-Call Master Station, surface mount

** Use LEM-1 when 1 Door or Sub Station is used* *** Use LEM-3 when 2 or 3 Door or Sub Stations are used*

SKK-620B
Power Supply, 6V DC
→ p.114

2 wires Aiphone #822202 (Max. 650' between master and farthest sub) 2 wires

Options & Accessories

HID-SS
Accessory Station with Embedded HID® Proximity Card Reader
→ p.107

ICP-BR
Brass Faceplate for LE-DA
→ p.106

ICP-AB
Antique Brass Faceplate for LE-DA
→ p.106

SBX-1G
Surface Mount Box for LE-SS-1G
→ p.103

SBX-2G
Surface Mount Box for LE-DA, LE-SS/A, LE-SSR, and LE-SSV
→ p.103

SBX-2BV
Vertical Mount Box for HID-SS and LE-DA, LE-SS/A, LE-SSR, or LE-SSV (Horizontal mount also available - SBX-2BH)
→ p.103

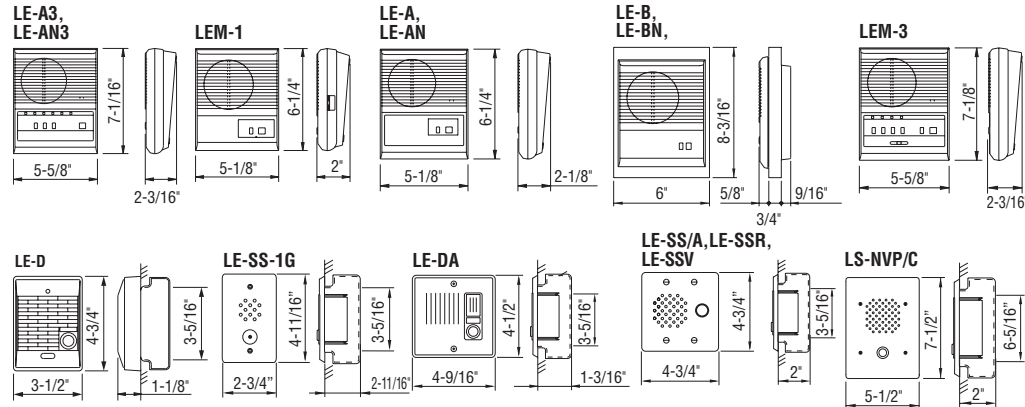
SBX-NVP
Surface Mount Box for LS-NVP/C
→ p.104

BBX-1E
Back Box for flush mounting LE-B and LE-BN
→ p.104

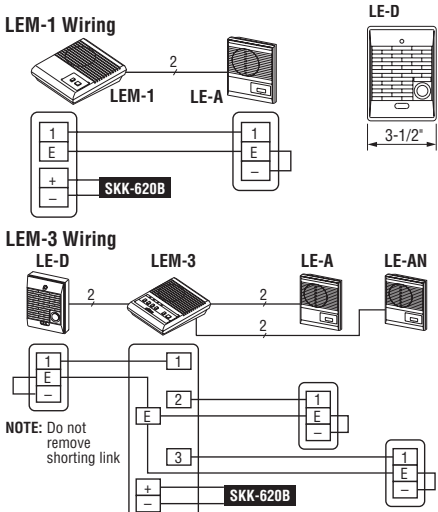
Features

- Open voice communication
- Push-to-talk at master and hands-free at remote
- LE Sub stations - either door or room sub units
- Voice volume control

Unit Dimensions



Wiring




Specifications

- Power Source** 6V DC, 200mA - use SKK-620B
- Communication** Sub calls in with tone, push TALK button to reply, sub called by tone or voice, hands-free at sub (with LEM-3: LED, 20 sec., push selector button)
- Communication Output** 350mW output
- Wiring** Door/Sub to master: 2-cond., overall shield
- Distance** Door/Sub to farthest master: 650'(22AWG) 1,600'(18AWG)
- Wire Type** Aiphone #822202 or Aiphone #821802

Door Station


DOOR 1



C-D
Door Station, plastic, surface mount
(Not available separately)

Inside Station

INSIDE 1




C-ML/A
Master Station, plastic, surface mount

2 wires
Aiphone #822202



SKK-620B
Power Supply, 6V DC
→ p.114
or
4 "C" Batteries

Options & Accessories



EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106

2 wires



EL-12S
Door Strike

2 wires




PT-1210N
AC Transformer, 12V AC *(Required for EL-12S)*

2 x 2 wires
Aiphone #822202
(Max. 245' between door and farthest master)

Inside Station (optional)

INSIDE 2



C-ML/A
Master Station, plastic, surface mount
(Includes DAK-2S)

2 wires
Aiphone #822202



SKK-620B
Power Supply, 6V DC
→ p.114
or
4 "C" Batteries

BOXED SETS



C-123L/A - Single Master Set:
C-D, C-ML/A

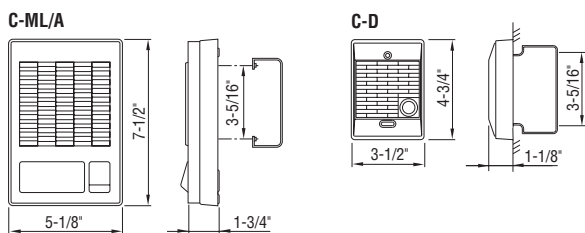


C-123LW - Dual Master Set:
C-D, (2) C-ML/A's, DAK-2S

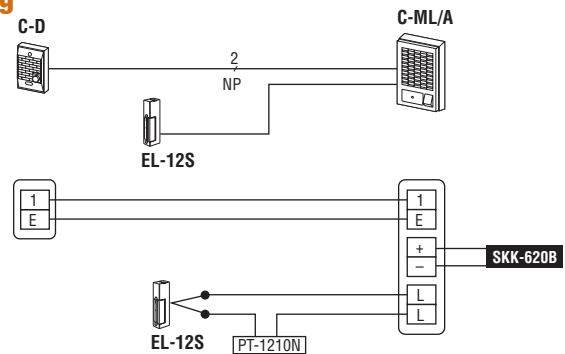
Features

- Open voice door answering with door release
- Adjustable communication volume
- Automatically turns off in 20 seconds
- Batteries or 6V DC power supply (1 per master)
- Any LE or LS Series door station can be used to replace the C-D
- LE-D is physically identical to C-D
- Second inside room station (separate power supply required)

Unit Dimensions



Wiring




Specifications

- Power Source** 6V DC - Use SKK-620B or 4 "C" Batteries
- Communication** Door calls in with 2-tone chime, not adjustable, push TALK button to reply, release-to-listen, power automatically shuts off circuit
- Door Release** Contact rating: 50V AC @ 1A
- Wiring** Door to master: 2-cond., overall shield
Between masters: 2-cond., overall shield
- Distance** Door to farthest master: 245' (22AWG) 490' (18AWG)
- Wire Type** Aiphone #822202 or Aiphone #821802

Door Station

DOOR 1



CC-DA
Door Station
(Not sold separately)

Inside Station

INSIDE 1



CC-1M
Master Station
(Not sold separately)


2 wires
Aiphone
#822202
(Max. 245'
between door and
farthest master)

2 wires
Aiphone
#822202



PT-1210N
AC Transformer,
12V AC
→ p.106

BOXED SET

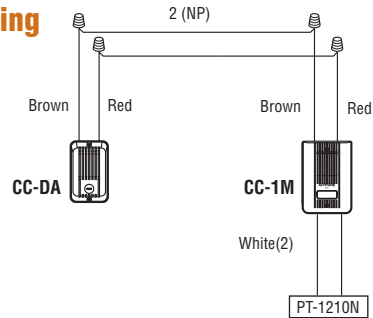


CCS-1A - Single Master Set:
CC-DA, CC-1M

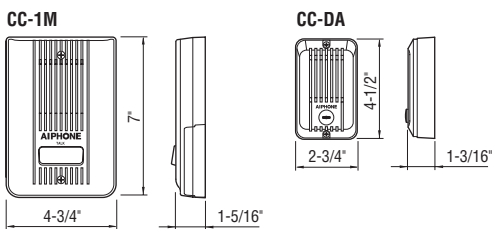
Features

- Push-to-talk door answering with automatic shut-off
- Backlit CALL button
- CHIME and VOICE volume controls
- Powered by AC transformer PT-1210N

Wiring



Unit Dimensions



Specifications


- Power Source** 12~16V AC - Use AC transformer PT-1210N (with no-load voltage rating: 20V or less)
- Communication** 2-tone chime, push TALK to reply, hands-free at door, times out in 15 sec. after TALK is pushed
- Wiring** Door to master: 2-cond., overall shield
- Distance** Door to master: 245'(22AWG) 590'(18AWG)
- Wire Type** Aiphone #822202 or Aiphone #821802

Audio Only Intercoms

IM Series Security Window System Set

Window Station

WINDOW 1



IAI-100
Acoustic Kit Includes:
1 DR-100 Driver Unit and
1 AI-100 Acoustic I/O
Tube with noise
cancelling microphone

Inside Station

INSIDE 1



IME-100
Gooseneck
Microphone
(Sold separately)
→ p.116



IMU-100
Master Kit Includes:
1 MU-100 Main Unit and
1 OU-100 Operation Unit
with supplied connector

2 wires
Aiphone
#822202
(Max. 66')


2 wires
Aiphone
#821802
(Max. 66')

2 wires
Aiphone
#821802
(Max. 66')




PS-2420UL
Power Supply,
24V DC, 2A
→ p.114


Options & Accessories



IAX-100
Acoustic Tube
Extension,
39-3/8"
→ p.116



ISE-100
Proximity
Sensor
→ p.116



IME-150
Optional
Microphone
→ p.116

BOXED SET

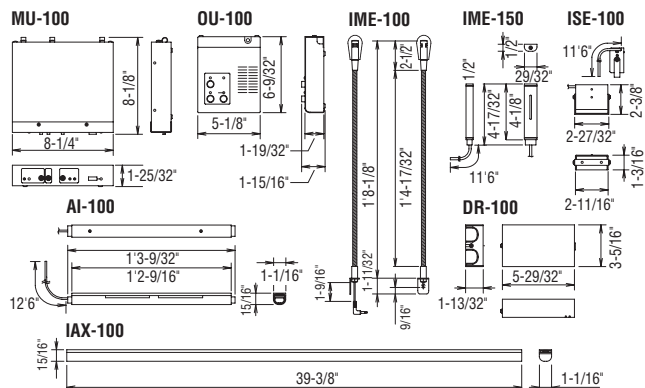
IM Series Boxed Set

IM-1: IMU-100, IAI-100, IAX-100, IME-100, ISE-100, and power supply

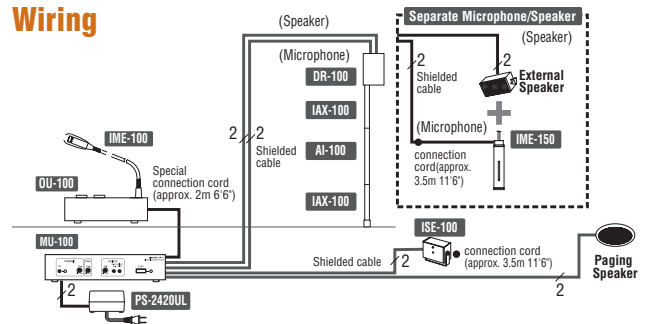
Features

- Inconspicuous units do not obscure faces of those approaching a ticket/customer window for added visibility and security
- Flexible gooseneck microphone can be adjusted to virtually any position
- Computer style headset can be used (not supplied by Aiphone)
- Uses voice-actuated communication (VOX) system, requiring no additional operations during conversation
- When the TALK switch is off, the Operation Unit is put on standby, but sound from public side is still heard at reduced volume
- By linking the system to a motion sensor, communication mode is automatically activated when a customer is present

Unit Dimensions



Wiring



Specifications


- Power Source**: 24V DC, 120mA standby, 780mA max. Use PS-2420UL
- Communication**: Voice-actuated communication (VOX) or simplex
Transmit output: 3W 4Ω
Receive output: 1.5W 16Ω
Impedance: 32Ω
- Headset**: Φ3.5mm plug - Impedance: 32Ω
Rated input: 40mW or more
Max. input: 100mW or more
- External & Paging Speaker**: Impedance: 4 to 8Ω,
Rated input: 3W or more
Max. input: 6W or more
- Wiring**: DR-100 to MU-100: 2 x 2-cond., overall shield
- Wire Type**: Aiphone #822202 or Aiphone #821802

IE-8 Series


Chime Tone Intercom System

Door Stations - Select 1 unit


DOOR 1




IF-DA
Door Station, plastic cover, surface mount
→ p.100




AX-DM
Door Station, plastic cover, mullion surface mount
→ p.95




IE-JA
Door Station, stainless steel faceplate, flush mount
→ p.100



IE-SS/A
Door Station, vandal resistant, stainless steel, flush mount
→ p.100




IE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount
→ p.100




IE-SSV
Door Station with a built-in CCTV camera, stainless steel, flush mount
→ p.100

Door Stations - Select 1 unit (optional)


DOOR 2




IF-DA
→ p.100




AX-DM
→ p.95




IE-JA
→ p.100



IE-SS/A
→ p.100




IE-SSR
→ p.100




IE-SSV
→ p.100

Inside Station


INSIDE 1



IE-8MD
6-Call Master Station




PT-1210N
AC Transformer, 12V AC
→ p.106




IE-8HD
6-Call Sub Master Station


Options & Accessories




HID-SS
Accessory Station with Embedded HID® Proximity Card Reader
→ p.107




ICP-BR
Brass Faceplate for IE-JA
→ p.106




ICP-AB
Antique Brass Faceplate for IE-JA
→ p.106




SBX-2G
Surface Mount Box for IE-JA, IE-SS, IE-SSR, and IE-SSV
→ p.103




SBX-2BV
Vertical Mount Box for HID-SS and IE-SS/A, IE-SSR, or IE-SSV
(Horizontal mount also available - SBX-2BH)
→ p.103



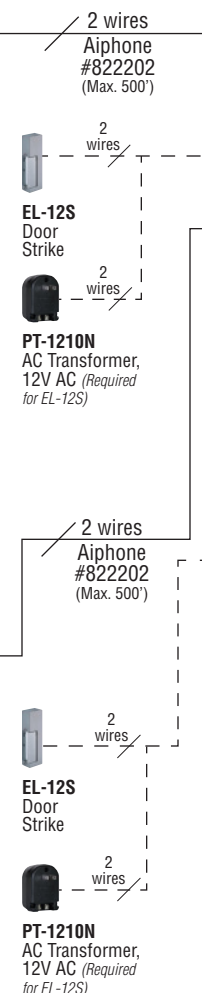
EL-12S
Electric Door Strike, 12V AC/DC, 200mA
(Requires PT-1210N)
→ p.106



RY-ES
External Signaling Relay
→ p.108



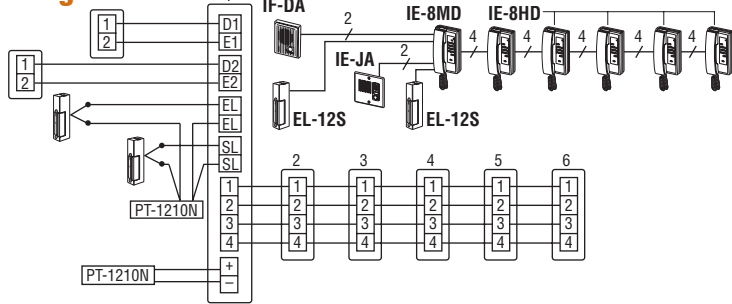
RY-AC/A
External Signaling Relay
→ p.108



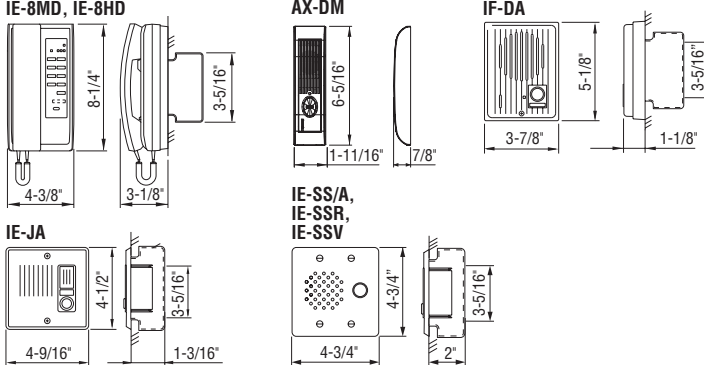
Features

- Two doors with Selective Door Release
- Room to room calling or All Call
- Easy 4 conductor wiring between handsets
- 2 wires to door stations, same as doorbell
- External doorbell can be added
- AC or DC powered (12 ~ 16V AC or 12 ~ 18V DC)

Wiring



Unit Dimensions



Specifications

- Power Source** 12~16V AC - Use AC transformer PT-1210N
12~18V DC, 500mA
- Communication** Door calls in with 4 or 2-tone chime and LED, pick up any handset to reply, push 1- 6 to call other station with pre-tone and voice or All Call, single channel, common talk system
- Door Release** Contact rating: 24V AC/DC, 350mA
- Wiring** Door to master: 2-cond.
Master to subs: 4-cond.
- Distance** Door to master: 500'(22AWG) 1,180'(18AWG)
Master to farthest sub: 245'(22AWG) 580'(18AWG)
- Wire Type** Door to master: Aiphone #822202
Master to farthest sub: Aiphone #812205

Audio Only Intercoms

MASTER
1


SUB
3

AT-406 Series

Handset to Handset

Master Station


MASTER
1



AT-206
Master Station,
white
(Not sold separately)

2 wires
Aiphone
#822202
(Max. 2,300')


(Max. 12')



SKK-620B
Power Supply,
6V DC
→ p.114
or
4 "C" Batteries

Sub Station - Select up to 3 units

SUB 1 ~ SUB 3




AT-306
Sub Station,
white

Options & Accessories




TAR-3
External
Signaling Relay
(Requires SKK-620B)
→ p.115

BOXED SET



AT-406 (WHITE):
AT-206, AT-306

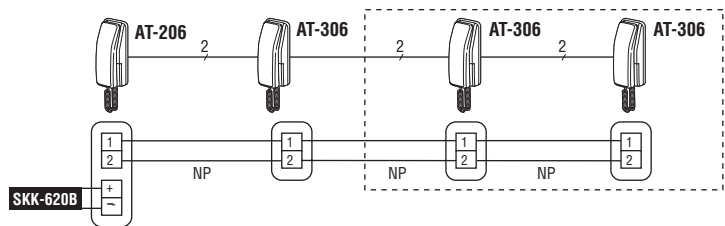


**AT-406B/A
(CHARCOAL GRAY):**
AT-206B, AT-306B,
with 4' coil cord

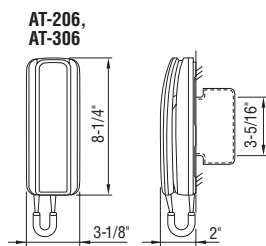
Features

- Call button (master) rings all the subs
- Up to 2 additional subs can be added (AT-306)
- Power supply or battery powered
- Sub(s) ring master only

Wiring



Unit Dimensions



Specifications

- Power Source** Use SKK-620B or 4 "AA" Batteries, 6V DC, 120mA
- Communication** Push CALL button to ring all subs, pick up any phone, sub rings master only, common talk
- Wiring** Master to sub: 2-cond., overall shield
- Distance** 2-station set: 2,300'(22AWG) 5,250'(18AWG)
Master to 3rd sub: 1,350'(22AWG) 3,100'(18AWG)
- Wire Type** Aiphone #822202

Audio Only Intercoms


TD-H Series

Selective Call Intercom




Door Stations: Select up to 2 Door Stations

| | | | | | | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOOR 2 |  AX-DM Door Station, plastic cover, mullion surface mount → p.95 |  IF-DA Door Station, plastic cover, surface mount → p.100 |  IE-JA Door Station, stainless steel faceplate, flush mount → p.100 |  IE-SS/A Door Station, vandal resistant, stainless steel, flush mount → p.100 |  IE-SSR Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount → p.100 |  IE-SSV Door Station with a built-in CCTV camera, stainless steel, flush mount → p.100 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



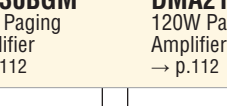

Door Station Adaptor

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|  DE-UR Door Station Adaptor (One per door) | 2 wires Aiphone #822202 (Max. 500') |
| | 4 wires Aiphone #812205 |

Paging Speakers



| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  AH-16TN Horn Speaker, 8Ω, 25/70V, 16W → p.113 |  AH-32TN Horn Speaker, 25/70V, 32W → p.113 |
|  SP-2570N Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount → p.112 | |

Paging Amplifiers: One Paging Amplifier required for each PD-1 / PD-2

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|  T3115BGM 15W Paging Amplifier → p.112 |  DMA2060 60W Paging Amplifier → p.112 |
|  T3130BGM 30W Paging Amplifier → p.112 |  DMA2120 (Shown) 120W Paging Amplifier → p.112 |

2 wires Aiphone #822202

Paging Adaptors: MIX & MATCH up to 25 TOTAL TD-H units & paging components

| | |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| CHANNELS 25 | |
|  PD-1* Zone Paging Adaptor → p.111 |  PD-2* Zone Paging / Talkback Adaptor → p.111 |

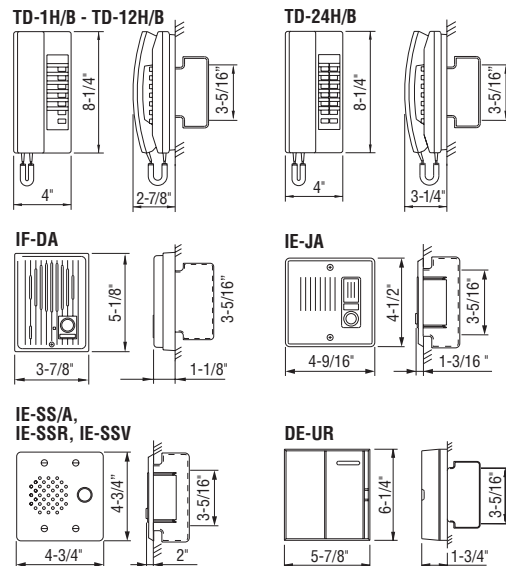
3 wires Aiphone #822203

* One Paging Amplifier required for each PD-1 / PD-2. Use T3115BGM / T3130BGM / DMA2060 / DMA2120

Features

- Handsets available in 1, 3, 6, 12 and 24-station sizes
- Audio door stations can be added (1 or 2 doors)
- Max. of 23 inside stations when 2 door stations are installed
- Paging zone with optional talkback
- External signaling device when calling a handset (RY-AC/A required)

Unit Dimensions



Inside Stations: MIX & MATCH up to 25 TOTAL TD-H units & paging components

CHANNELS
25



TD-3H/B
3-Call Master Station

Other Master Stations

TD-1HL *
1-Call Master Station with call LED and tone-off switch

TD-3HL
3-Call Master Station with call LED and tone-off switch

TD-6HL
6-Call Master Station with call LED and tone-off switch

TD-12HL
12-Call Master Station with call LED and tone-off switch

* TD-1H/B and TD-1HL cannot be used for door answering



TD-1H/B*
1-Call Master Station

TD-6H/B (Shown)
6-Call Master Station

TD-12H/B
12-Call Master Station

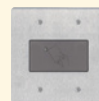
TD-24H/B
24-Call Master Station

2 wires
Aiphone
#822202



PS-1225UL
Power Supply, 12V DC
→ p.114

Options & Accessories



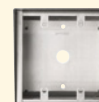
HID-SS
Accessory Station with Embedded HID® Proximity Card Reader
→ p.107



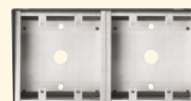
ICP-BR
Brass Faceplate for IE-JA
→ p.106



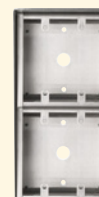
ICP-AB
Antique Brass Faceplate for IE-JA
→ p.106



SBX-2G
Surface Mount Box for IE-JA, IE-SS/A, IE-SSR, and IE-SSV
→ p.103



SBX-2BH
Horizontal Mount Box for HID-SS and IE-SS/A, IE-SSR, or IE-SSV
→ p.103



SBX-2BV
Vertical Mount Box for HID-SS and IE-SS/A, IE-SSR, or IE-SSV
→ p.103



TDW-nA
Terminal Box for master station TD-nH/B
(n=1, 3, 6, 12 or 24)



RY-AC/A
External Signaling Relay
→ p.108

Wiring

| Component | Wire # | Gauge | Conductor |
|---------------------------|--------|--------|-----------------------------|
| IE Door Stations to DE-UR | 822202 | 22 AWG | 2 conductor, overall shield |
| DE-UR to TD-H | 812205 | 22 AWG | 5 conductor, non-shielded |
| TD-1H/B | 812205 | 22 AWG | 5 conductor, non-shielded |
| TD-1HL | 812205 | 22 AWG | 5 conductor, non-shielded |
| TD-3H/B | 812210 | 22 AWG | 10 conductor, non-shielded |
| TD-3HL | 812210 | 22 AWG | 10 conductor, non-shielded |
| TD-6H/B | 812210 | 22 AWG | 10 conductor, non-shielded |
| TD-6HL | 812210 | 22 AWG | 10 conductor, non-shielded |
| TD-12H/B | 812216 | 22 AWG | 16 conductor, non-shielded |
| TD-12HL | 812216 | 22 AWG | 16 conductor, non-shielded |
| TD-24H/B* | 812216 | 22 AWG | 16 conductor, non-shielded |

*Two runs of 812216 are required for full TD-24H/B functionality

Specifications

| | |
|----------------------|----------------------------------------------------------------------------------------------------|
| Power Source | 12V DC, 70mA - Use PS-1225UL |
| Communication | Simultaneous through handset |
| Door Release | Contact rating: 30V AC/DC, 1A |
| Wiring | 2 or 3 + number of TD-H/B in loop, non-shielded |
| Distance | IE Doors to DE-UR: 500'(22AWG) 1,200'(18AWG) Between masters: 2,000'(22AWG) 4,800'(18AWG) |
| Wire Type | See "Wiring" for details |

Door / Sub Stations: MIX & MATCH up to 3 TOTAL MP-S Components

DOOR/SUB 3

LE-SS-1G
Door Station, stainless steel, flush mount
→ p.101

LE-SS/A
Door Station, vandal resistant, stainless steel, flush mount
→ p.101

LE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount
→ p.101

LE-SSV
Door Station with built-in CCTV camera, stainless steel, flush mount
→ p.101

LS-NVP/C
Door Station, vandal resistant, powder-coated steel, flush mount
→ p.101

AS-3A
Desk / Wall Sub Station

AH-108
Horn Speaker, 8Ω, 10W
→ p.113

AS-3N
Ceiling Speaker Station
→ p.113

BA-1P
Paging Adaptor
→ p.111

Master Stations - Select 1 unit

MASTER 1

MP-1S
1-Call Master Station

MP-3S
3-Call Master Station

2 wires
Aiphone
#822202
(Max. 330')

2 wires
Aiphone
#822202

PS-1225UL
Power Supply, 12V DC
→ p.114

Options & Accessories

HID-SS
Accessory Station with Embedded HID® Proximity Card Reader
→ p.107

SBX-1G
Surface Mount Box for LE-SS-1G
→ p.103

SBX-2G
Surface Mount Box for LE-SS/A, LE-SSR, or LE-SSV
→ p.103

SBX-2BH
Horizontal Mount Box for HID-SS and LE-SS/A, LE-SSR, or LE-SSV (Vertical mount also available - SBX-2BV)
→ p.103

SBX-NVP
Surface Mount Box for LS-NVP/C
→ p.104

N-EA
Round Frame for AS-3N, surface mount
→ p.113

NBZ-M
Square Frame for AS-3N, flush mount
→ p.113

NP-B
Indoor Call Button, flush mount

NP-W
Surface Mount Box for NP-B

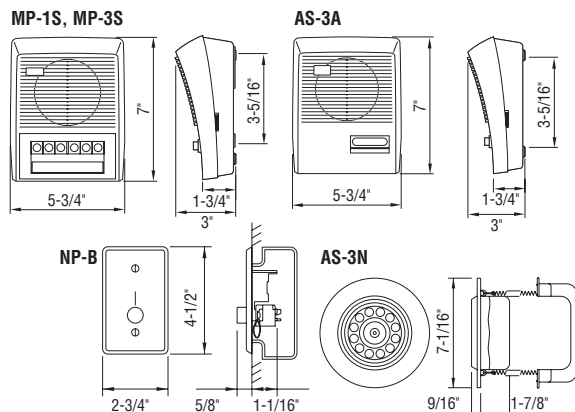
NP-25V
Non-polarized capacitor, 33μF, 25V

Features

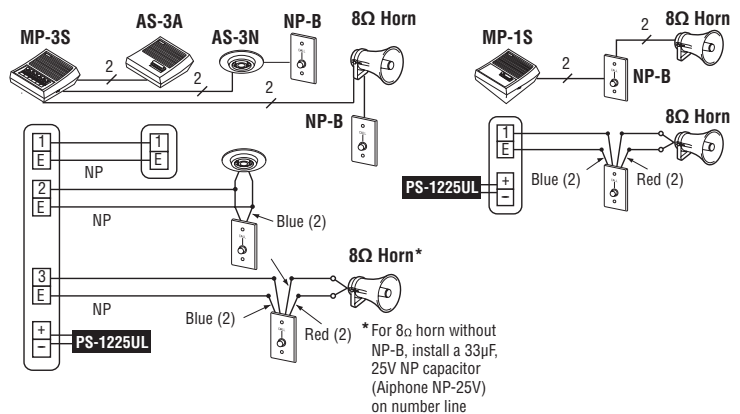
- Single master system with 1 or 3-call master station
- 2.5W output power for higher noise areas
- Hands-free reply from remote station
- 8Ω horn or speaker can be used as a sub
- Optional call button at sub station (NP-B)

Unit Dimensions

NOTE: For additional unit dimensions, refer to page numbers above



Wiring



Specifications

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| Power Source | 12V DC - Use PS-1225UL |
| Communication | Sub calls in with tone and LED, 20 sec., on MP-3S, push sub selector and TALK to transmit, and release-to-listen |
| Communication Output | 2.5W at 1KHz |
| Wiring | Doors/Subs/Horns to master: 2-cond., overall shield |
| Distance | Doors/Subs/Horns to master: 330'(22AWG) 720'(18AWG) |
| Wire Type | Doors/Subs/Horns to master: Aiphone #822202 or Aiphone #821802 |

AP-M Series

High-Power Intercom



Door / Sub Stations: MIX & MATCH up to 10 TOTAL AP-M Components

DOOR/SUB
10

LE-SS-1G
Door Station, stainless steel, flush mount
→ p.101

LE-SS/A
Door Station, vandal resistant, stainless steel, flush mount
→ p.101

LE-SSR
Door Station, vandal resistant, stainless steel, red mushroom call button, flush mount
→ p.101

LE-SSV
Door Station with built-in CCTV camera, stainless steel, flush mount
→ p.101

LS-NVP/C
Door Station, vandal resistant, powder-coated steel, flush mount
→ p.101

AS-3A
Desk / Wall Sub Station

AH-16TN
Horn Speaker, 8Ω, 25/70V, 16W
→ p.113

AS-3N
Ceiling Speaker Station
→ p.113

BA-1P
Paging Adaptor
→ p.111

Master Stations - Select 1 unit

MASTER
1

AP-1M (Shown)
1-Call Master Station

AP-10M
10-Call Master Station

AP-5M
5-Call Master Station

2 wires Aiphone #822202 (Max. 330')

2 wires Aiphone #822202 (Max. 330' per sub)

Master Stations - Select 1 unit (optional)

MASTER
2

AP-1M (Shown)
1-Call Master Station

AP-10M
10-Call Master Station

AP-5M
5-Call Master Station

Options & Accessories

HID-SS
Accessory Station with Embedded HID® Proximity Card Reader
→ p.107

SBX-1G
Surface Mount Box for LE-SS-1G
→ p.103

SBX-2G
Surface Mount Box for LE-SS/A, LE-SSR, or LE-SSV
→ p.103

SBX-2BH
Horizontal Mount Box for HID-SS and LE-SS/A, LE-SSR, or LE-SSV (Vertical mount also available - SBX-2BV)
→ p.103

SBX-NVP
Mount Box for LS-NVP/C
→ p.104

N-EA
Round Frame for AS-3N, surface mount
→ p.113

NBZ-M
Square Frame for AS-3N, flush mount
→ p.113

NP-B
Indoor Call Button, flush mount

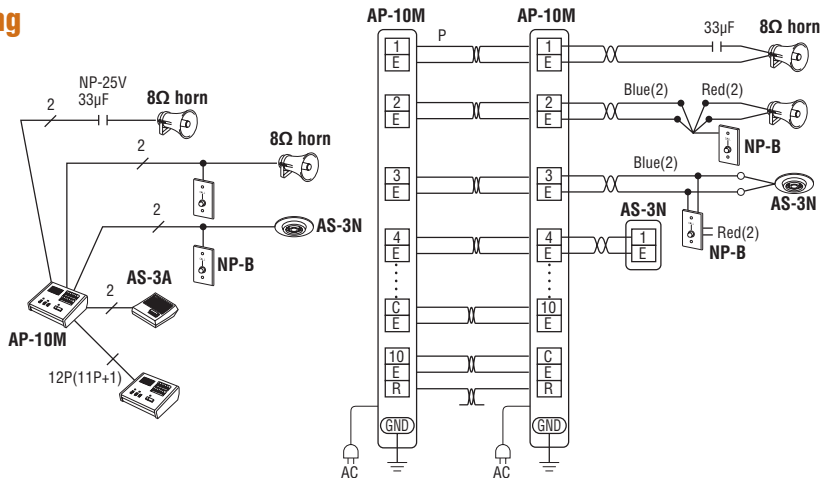
NP-W
Surface Mount Box for NP-B

NP-25V
Non-polarized capacitor, 33μF, 25V

Features

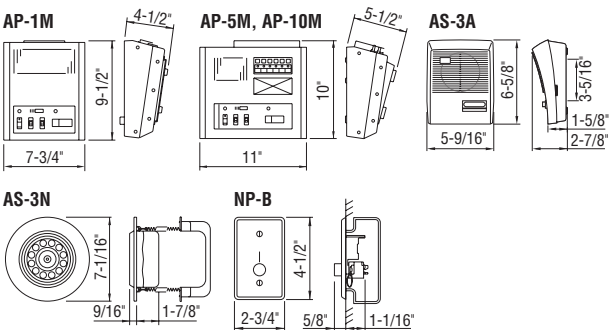
- High output power for large or noisy areas
- 1, 5, and 10-call masters available
- Separate TRANSMIT and RECEIVE volume controls
- Variety of subs, or use 8Ω horn speaker with NP-25V capacitor

Wiring



Unit Dimensions

NOTE: For additional unit dimensions, refer to page numbers above



Specifications


| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | 110~125V AC, 50/60Hz |
| Communication | Sub calls in with tone and LED, 15 sec., push selector and use TALK/LISTEN switch, All Call selectively to max. 5 subs, max. 10W transmit (adjustable), 300mW receive (adjustable) |
| Communication Output | 10W |
| Wiring | Doors/Subs/Horns to master: 2-cond., overall shield |
| Distance | Doors/Subs/Horns to master: 490'(22AWG) 1,200'(18AWG) |
| Wire Type | Aiphone #822202 or Aiphone #821802 |

NEM Series


Lamp Memory Intercom

Door Stations: MIX & MATCH up to 40 TOTAL NEM Door / Subs


DOOR/SUB **40**




NE-DA
Door Station,
plastic cover,
surface mount
→ p.102




NE-SS-1G
Door Station,
stainless
steel, flush
mount
→ p.102




NE-JA
Door Station,
stainless steel
faceplate,
flush mount
→ p.102



NE-SS/A
Door Station,
vandal resistant,
stainless steel,
flush mount
→ p.102




NE-SSR
Door Station,
vandal resistant,
stainless steel,
red mushroom
call button,
flush mount
→ p.102



NE-NVP/C
Door Station,
vandal resistant,
powder-coated
steel, flush mount
→ p.102

2 wires
Aiphone #822202
(Max. 420' NE-JA Max. 360')



NE-NVP-RA
ADA Compliant Door Station,
vandal resistant, powder-coated
steel, red mushroom call button,
braille signage, flush mount
→ p.102

4 wires
Aiphone #822206
(Max. 420')

Sub Stations: MIX & MATCH up to 40 TOTAL NEM Door / Subs

DOOR/SUB **40**



NB-L
Ceiling Sub
Speaker
Station
→ p.113



NA-NE
Sub Station,
aluminum,
flush mount



NA-A
Wall / Desk
Sub Station



NA-AN
Wall / Desk
Sub Station
with privacy




NA-T/A
Handset
Sub
Station




NBR-7AS
Bathroom
Pullcord,
moisture
resistant

2 wires
Aiphone
#822202
(Max. 420')


Healthcare Options: 1 per Sub Station




NBR-8A
Bedside
Call Switch
(Requires
NBY-1A)




NBY-1A
Plug-in Wall
Jack (For
NBR-8A)



NAR-6A
Call Button



NBY-4A
Corridor
Call Light




NAR-2A
Call Reset
Button

2 wires
Aiphone
#822202

Paging Adaptor: MIX & MATCH Up to 40 TOTAL NEM Doors/Subs

DOOR/SUB **40**



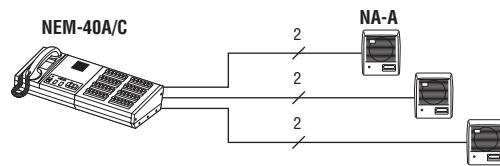
BA-1
Paging
Adaptor
→ p.111

Features

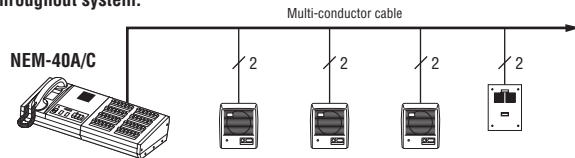
- Master in 10, 20, 30, and 40-station sizes (with or without handset)
- Built-in All Call
- Push-to-talk at master or use handset, hands-free at sub
- Group call up to 10 subs at a time
- Optional background music - requires NB-U (max. 40 stations) and 10W, 25V or 8Ω PA amp (T3115BGM)

Wiring

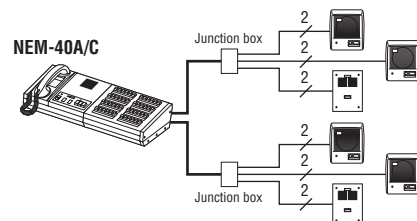
Run parallel cables to each NA sub station (in the same conduit):



Run multi-conductor cable throughout system:



Run multi-conductor cables up to junction box, then run parallel cables to each NA sub station:



MIX & MATCH Up to 40 TOTAL Sub Stations & up to 2 TOTAL Master Stations



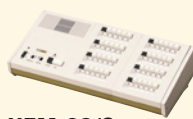
Master Stations: MIX & MATCH up to 2 TOTAL NEM Master Stations

INSIDE
2



NEM-10/C
10-Call Master Station

NEM-20/C (Shown)
20-Call Master Station



NEM-30/C
30-Call Master Station

NEM-40/C (Shown)
40-Call Master Station



NEM-10A/C
10-Call Handset Master Station

NEM-20A/C (Shown)
20-Call Handset Master Station



NEM-30A/C
30-Call Handset Master Station

NEM-40A/C (Shown)
40-Call Handset Master Station

NOTE: When installing 2 masters, 1 NEW-5 required for every 5 door/sub stations

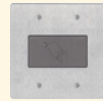
2 wires
Aiphone
#822202
(Max. 420')

2 wires
Aiphone
#822202



PS-2420UL
Power Supply,
24V DC, 2A
→ p.114

Options & Accessories



HID-SS
Accessory Station
with Embedded HID®
Proximity Card Reader
→ p.107



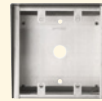
ICP-BR
Brass
Faceplate
for NE-JA
→ p.106



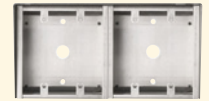
ICP-AB
Antique Brass
Faceplate for
NE-JA
→ p.106



SBX-1G
Surface Mount
Box for NE-SS-1G
→ p.103



SBX-2G
Surface Mount Box
for NE-JA, NE-SS/A,
and NE-SSR
→ p.103



SBX-2BH
Horizontal Mount Box
for HID-SS and NE-SS/A
or NE-SSR (Vertical mount
also available - **SBX-2BV**)
→ p.103



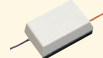
SBX-NVP
Surface
Mount Box
for NE-NVP/C,
NE-NVP-RA
→ p.104



NBX-2
Surface Mount
Box for NA-NE
→ p.104



IER-2
Call Extension
Speaker
→ p.106



RY-ES
External
Signaling
Relay
→ p.108



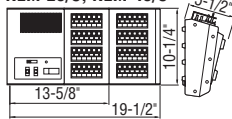
NEW-5
Dual Master Call Adaptor
for NEM (1 per 5 shared
stations - requires PS-1225UL)
→ p.110



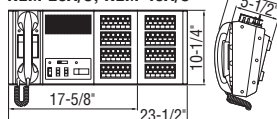
NB-U
Background Music Adaptor
(When NEM includes NEW-5
adaptor, NB-U cannot be used)
→ p.110

Unit Dimensions

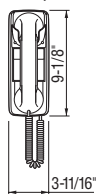
NEM-20/C, NEM-40/C



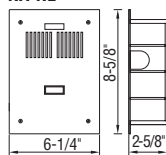
NEM-20A/C, NEM-40A/C



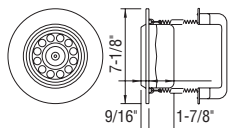
NA-T/A



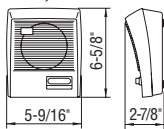
NA-NE



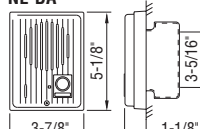
NB-L



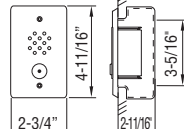
NA-A, AN



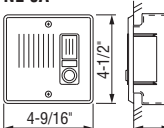
NE-DA



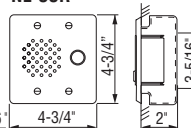
NE-SS-1G



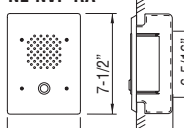
NE-JA



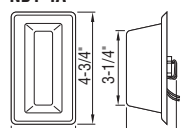
**NE-SS/A,
NE-SSR**



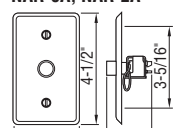
**NE-NVP/C,
NE-NVP-RA**



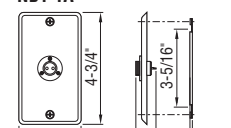
NBY-4A



NAR-6A, NAR-2A



NBY-1A



Diagrams are for illustrative purposes only. System wiring may vary by installation. Refer to instructions for actual installation directions.

NHX Series

Nurse Call System (UL 1069 Listed)

Sub Stations: MIX & MATCH up to 10 PER TRUNK with up to 8 TRUNKS

Central Control Unit



NH-1SA/A (Shown)
Single-jack Bedside Sub Station
→ p. 82

NH-1SA-ACB*
Sub Station with built-in call button



NH-2SA/A
Dual-jack Bedside Sub Station
→ p. 82

* Not UL 1069 Listed

(One call cord or dummy plug is required per jack on sub station)



NHR-8C (Shown)
Bedside Call Switch
→ p. 82

NHR-8A-L*
Bedside Call Cord with latching call button, gray



NHR-DPA*
Dummy Plug
→ p. 82

* Not UL 1069 Listed



NHX-80X
Central Control Unit
→ p. 82



NHR-30K
30-Call Add-On Truck Card
→ p. 82

4P
Aiphone #862208
(Max. 330' per trunk line)

5P
Aiphone #862210
(Max. 65')

2 wires
Aiphone #821802

2 wires
Aiphone #821802

4P
Aiphone #862208
(Max. 65')



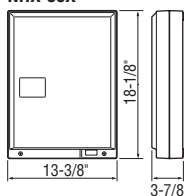
PS-2420UL
Power Supply
24V DC, 2A
→ p.114

Features

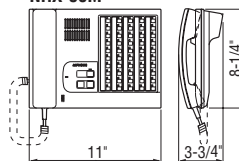
- One master and up to 80 patient stations
- Single and dual patient stations
- Multi-station capability per patient room
- Three types of call-ins from patient stations: routine call, bathroom call and cord-out trouble call, identified by tone and a blinking LED (with priority according to urgency and time of call)
- NHR-3TS common area call station is used for common areas
- Duty station for call annunciation in separate area
- Optional zone light (max. 4)

Unit Dimensions

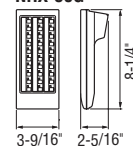
NHX-80X



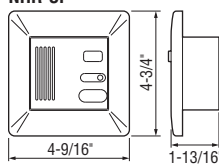
NHX-50M



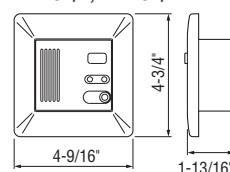
NHX-30G



NHR-SP



NH-1SA/A, NH-2SA/A



Master Station

INSIDE

1



NHX-50M
50-Call Master Station
→ p. 82



NHX-30G*
30-Call Add-On Selector (Plugs into NHX-50M)
→ p. 82

* In order to function, requires NHR-30K to be installed into NHX-80X

Duty Station

DUTY

1



NHR-SP
Duty Station
→ p. 82

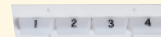
Options & Accessories



NHR-7A
Bathroom/Staff Pullcord
→ p. 82



NHR-4A/A
Corridor Lamp with red and white LEDs
→ p. 82

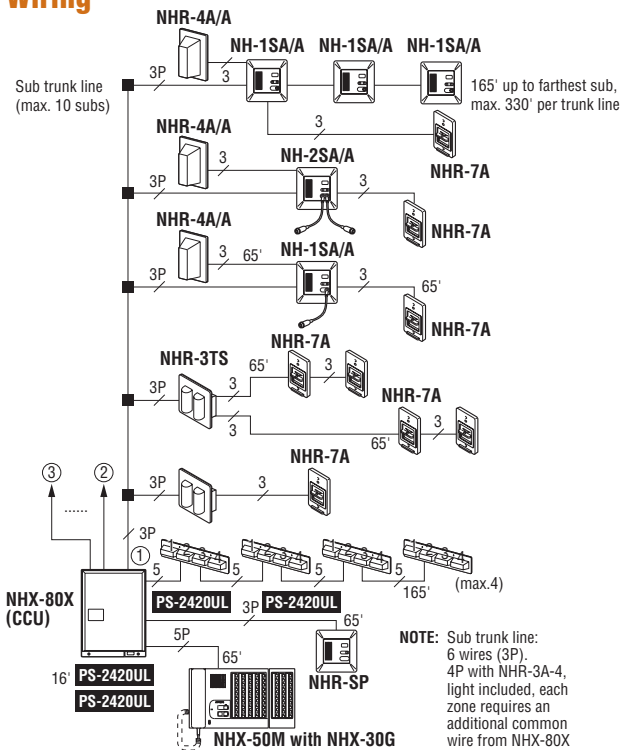


NHR-3A-4
4-Zone Call Light (Requires 1 PS-2420UL per 2 NHR-3A-4; Max. 4 lights)
→ p. 82



NHR-3TS
Common Area Call Station with lights
→ p. 82

Wiring



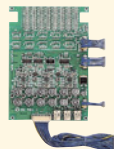
Specifications

NOTE: For specifications of the NHX Series see p. 82

Central Control Unit



NHX-80X
Central Control Unit



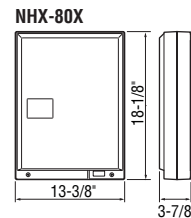
NHR-30K
30-Call Add-On Truck Card

Features

- Compact slimline design
- Microprocessor control of all system functions
- 30 stations can be added with the NHX-30G (requires NHR-30K)
- All wire terminations are made inside with easy "screwless" wire connections

Specifications

- Power Source** Use PS-2420UL x 2
- Calling** Routine call, urgent bathroom call and cord-out trouble call (up to 5 calls can be displayed on the NHX-50M)
- Communication** Single and private talk channel, push-to-talk or handset voice actuation
- Call-In Priority** 1) Cord-out trouble call, 2) urgent bathroom call and NHR-3TS common area bathroom or staff call, 3) routine call, sub station call-ins on standby connected according to urgency level and time of call
- Warning Tones** 1) Line-off trouble at bedside or NHR-3TS and duty station (to stop tone on duty station, plug in 2-pin jumper to CN104 in CCU), 2) 90 sec. elapse timer: call tone goes up to HIGH level, 3) 90 sec. off-hook timer: steady tone will notify that handset is off-hook
- Distance** Subs to CCU: 165'(22AWG) - Duty station to CCU: 65'(22AWG) - CCU to master: 65'(22AWG)
- Wire Type** Sub/Duty station to CCU: Aiphone #862208 - CCU to master: Aiphone #862210



Master Station



NHX-50M
50-Call Master Station

NHX-30G*
30-Call Add-On Selector (Plugs into NHX-50M)

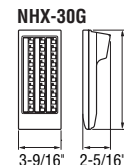
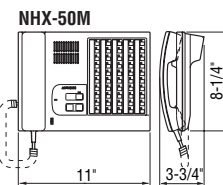
* To function, requires NHR-30K to be installed into NHX-80X

Features

- Compact slimline design
- Routine call and bathroom call annunciated by slow or fast flashing LED and tone
- Auto-connect to next call-in priority (no need to select station)
- Alert tone sound when: call cord is pulled out of patient station, wires are disconnected at patient station, or handset is off-hook for more than 90 sec.
- Handset or push-to-talk communication, tone OFF button and desk mount

Specifications

- Power Source** Powered by CCU (NHX-80X)
- Wiring** 10-pin plug-in connector (to NHX-80X), provided with preset volume controls, can verify connection of all sub stations
- Distance** CCU to master: 65'(22AWG)
- Wire Type** CCU to master: Aiphone #862210



Sub & Duty Stations



NH-1SA/A
Single-jack Bedside Sub Station



NH-2SA/A
Dual-jack Bedside Sub Station



NHR-SP
Duty Station

(One call cord or dummy plug is required per jack on sub station)



NHR-8C
Bedside Call Switch



NHR-DPA*
Dummy Plug

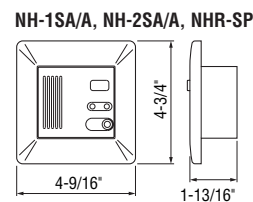
* Not UL 1069 Listed

Features

- Bedside station for calling and communication
- Used with NHR-8C call cord
- When call button is pushed, CALL LED is lit red, when master replies TALK LED is lit green, push CANCEL to reset the call, when NHX-50M calls in, pre-tone sounds and TALK LED is lit green
- Dummy Plug (NHR-DPA) plugs into unused jack on bedside sub stations
- Duty Station (NHR-SP) acknowledges any station call with tone and blinking LED (use the NHX-50M to identify the caller or to answer the call)

Specifications

- Power Source** Powered by CCU (NHX-80X)
- Wiring** NH-1SA/A and NH-2SA/A: Subs 1-10 setting on SW1, CN1 (6 pin) to sub trunk line, CN2 (8 pin) for NHR-7A, NHR-4A/A and zone light, NHR-SP: CN1 (6 pin) to NHX-80X (when NHR-SP is installed, unplug connector from CN104 on NHX-80X)
- Distance** Subs to CCU: 165'(22AWG) - Duty station to CCU: 65'(22AWG)
- Wire Type** Sub/Duty station to CCU: Aiphone #862208



Options & Accessories



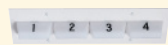
NHR-7A
Bathroom/Staff Pullcord



NHR-4A/A
Corridor Lamp with red and white LEDs



NHR-3TS
Common Area Call Station with lights



NHR-3A-4
4-Zone Call Light (Requires 1 PS-2420UL per 2 NHR-3A-4: Max. 4 lights)

Features (NHR-7A)

- Latching call switch
- Waterproof for bathroom areas
- Durable and strong nylon pullcord with pendant
- Can be used without cord as urgent call station (with NHR-3TS)
- LED "call placed" indicator
- Single-gang mounting

Features (NHR-3TS)

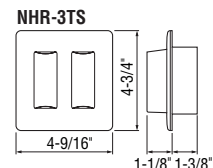
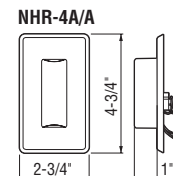
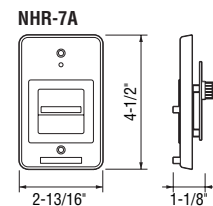
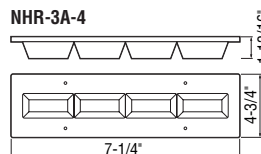
- Provides call announcement from common area, restrooms or staff call location
- Two corridor lamps (indicates call location)
- Wires the same as a patient station
- 2-gang mounting with stainless steel faceplate

Features (NHR-4A/A)

- White lamp for bedside call, red lamp for bathroom call
- Easy wiring to patient station
- Single-gang mounting

Features (NHR-3A-4)

- 4 individual lamps
- Lamps indicate which zone or area has an unanswered call
- Easy 5 cond. wiring from NHX-80X
- Wall or ceiling mount



Inside Stations - Select 1 unit

STATIONS 1



MC-60/4A
Market Com Master Station, wall mount



MC-60/4B
Market Com Master Desk Station

Inside Stations: MIX & MATCH up to 60 TOTAL units

STATIONS 2 ~ 60




MC-60/4A
Market Com Master Station, wall mount




MC-60/4B
Market Com Master Desk Station

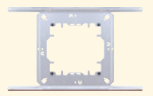
Options & Accessories



MC-S12
12" Checkstand Pedestal for MC-60/4A



MC-S23
23" Checkstand Pedestal for MC-60/4A



SSB-2
Ceiling Support Bracket for SP-2570N → p.112

7 wires
Aiphone #852207
(See wire distance in specifications below)

7 wires
Aiphone #852207
(See wire distance in specifications below)

Paging Adaptor



MC-A/A
Zone Paging Adaptor → p.111

Paging Amplifiers - Select 1 unit




T3115BGM
15W Paging Amplifier → p.112

T3130BGM
30W Paging Amplifier → p.112


DMA2060
60W Paging Amplifier → p.112

DMA2120 (Shown)
120W Paging Amplifier → p.112


Paging Speakers




AH-16TN
Horn Speaker, 8Ω, 25/70V, 16W → p.113



AH-32TN
Horn Speaker, 25/70V, 32W → p.113



SP-2570N
Ceiling Speaker, 8Ω, 25/70V, 4W, flush mount → p.112



PS-2420UL
Power Supply, 24V DC, 2A → p.113

2 wires
Aiphone #822202
(Max. 16')

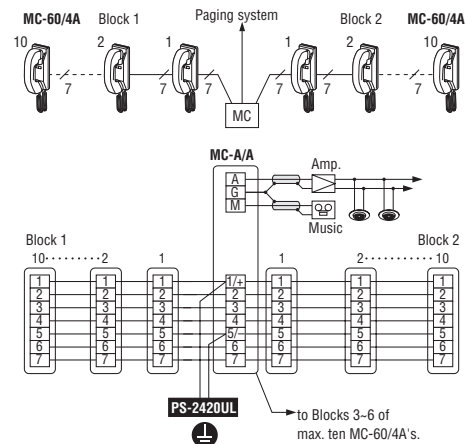
2 wires
Aiphone #822202
(Max. 500')

2 wires
Aiphone #821802

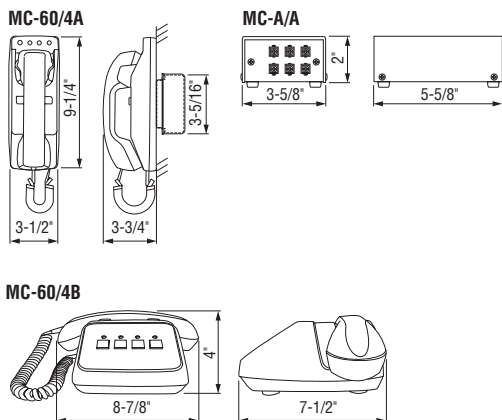
Features

- Maximum 60 station paging and communication system
- Selective 4 talk channels with in-use LED's
- Conference call among 3 stations
- Music cutout during paging
- Reinforced modular coil cord on MC-60/4A

Wiring



Unit Dimensions



Specifications

- Power Source** 24V DC - Use PS-2420UL
- Communication** Pick-up and push channel selector 1~4 and page with PAGE button
Called party picks up and pushes lit LED channel button
- Wiring** 7 wires in loop, non-twisted, low capacitance (PE insulation)
- Distance** MC-A/A to farthest MC-60/4A or MC-60/4B* on block:
1,700'(22AWG) 4,000'(18AWG)
*Total cumulative wiring distance between MC-60/4A or MC-60/4B: 5,000'(22AWG)
- Wire Type** Aiphone #852207



Components & Accessories

For Additional Details and Options

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IS Series Control Units, Power Transformer, & Rack Mount

Control Units



IS-CCU
Central
Control Unit



IS-SCU
Add-on
Control Unit



IS-RCU
Room Sub
Control Unit



IS-IPC
Network / Phone
Interface Unit

Central Control Unit – IS-CCU

The IS-CCU allows a connection of four door / sub stations and four master stations. It features inputs for up to two IS-SCU, four IS-RCU, and one IS-IPC to expand the system using CAT-5e/6 cable. The IS-CCU has four public address outputs, eight contact outputs, two video BNC outputs, four contact inputs, and two chime inputs with individual volume control. Requires a PC to set up the system. Set up via browser. Each unit can be rack mounted in an EIA standard rack (2U required) or wall mounted using brackets. It is powered using an external 48V DC power supply, IS-PU-UL.

Add-on Control Unit – IS-SCU

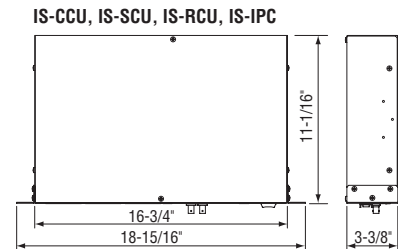
The IS-SCU homeruns to the IS-CCU to add eight door / sub stations and eight master stations to the system. Up to two IS-SCU's may be connected to the IS-CCU using three CAT-5e/6 cables. The IS-SCU has four paging outputs and four contact outputs. Each unit can be rack mounted in an EIA standard rack (2U required) or wall mounted using brackets. It is powered using an external 48V DC power supply, IS-PU-UL.

Room Sub Control Unit – IS-RCU

The IS-RCU homeruns to the IS-CCU to add thirty audio only room / sub stations to the system. Up to four IS-RCU's may be connected to the IS-CCU using two CAT-5e/6 cables. The IS-RCU has four paging outputs and four contact outputs. Each unit can be rack mounted in an EIA standard rack (2U required) or wall mounted using brackets. It is powered using an external 48V DC power supply, IS-PU-UL.

Network / Phone Interface Unit – IS-IPC

The IS-IPC connects the IS-CCU or IS-RCU and all of its wired components to a network. The IS-IPC is required for network communication and the telephone transfer option. Up to eight IS-IPCs may be used per local networked system (see p. 16). Each unit can be rack mounted in an EIA standard rack (2U required) or wall mounted using brackets. It is powered using an external 48V DC power supply, IS-PU-UL. IS-IPC is required for a PBX connection.



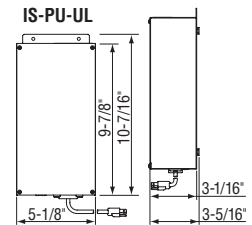
Power Transformer



IS-PU-UL
Power Supply
48V DC, 2A

Power Supply – IS-PU-UL

The IS-PU-UL is a 48V DC, 2A, UL listed power supply. One IS-PU-UL is required for every one IS-CCU, IS-SCU, IS-RCU, or IS-IPC.



Rack Mount



IS-RACK*
Mounting Rack
for IS-PU-UL
(For up to 3 power
supplies - shown
with 1 IS-PU-UL)

*IS-PU-UL power supply not included

Rack Mount – IS-RACK

The IS-RACK is a 19" mounting rack for up to 3 IS-PU-UL power supplies. The unit can be rack mounted in an EIA standard rack (2U required).

IS Series Master Stations & PC Software

Master Stations



IS-MV
Video Master Station

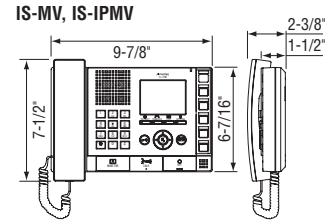


IP Addressable Device

IS-IPMV
IP Addressable Video Master Station

Master Station – IS-MV

The IS-MV is a video master station with a 3.5" color LCD monitor. It can be wall or desk mounted (desk stand included). The IS-MV offers handset (duplex) and hands-free (VOX/PTT) communication and can page up to 5 zones simultaneously. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable and is powered by the system.



Master Station – IS-IPMV

The IS-IPMV is an IP addressable video master station with a 3.5" color LCD monitor. It can be wall or desk mounted (desk stand included). The IS-IPMV offers handset (duplex) and hands-free (VOX/PTT) communication and can page up to 5 zones simultaneously. It connects directly to a network using CAT-5e/6 cable and can communicate with any IS-IPDV / IS-IPDVF / IS-SOFT or station connected to an IS-IPC on a LAN/WAN. This station utilizes 802.3af-compliant power-over-ethernet, or an external 24V DC power supply, PS-2420UL.

PC Software



IP Addressable Device

IS-SOFT
PC Master Station Software

PC Master Station – IS-SOFT

The IS-SOFT is proprietary Aiphone software that can be installed on a PC running Windows® XP, Windows® Vista, or Windows® 7. It connects directly to a network and can communicate with any IS-IPDV / IS-IPDVF / IS-IPMV or station connected to an IS-IPC on a LAN/WAN. One copy of IS-SOFT is required per PC station.

IS Series Door / Room / Sub Stations

Audio Only Door / Room / Sub Stations



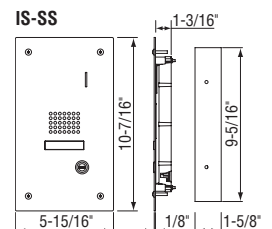
IS-SS
Audio Only Door Station, stainless steel, flush mount



IS-RS
Audio Only Sub Station

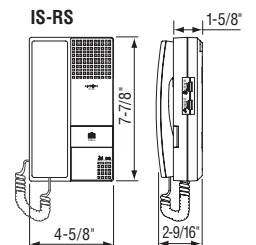
Door / Sub Station – IS-SS

The IS-SS is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It connects to the IS-CCU, IS-SCU, or IS-RCU using CAT-5e/6 cable. There is a programmable dry contact for door release. The IS-SS is powered by the system.



Room / Sub Station – IS-RS

The IS-RS is a handset style, wall mount, audio only sub station. It connects to the IS-CCU, IS-SCU, or IS-RCU using CAT-5e/6 cable. It can be used with the handset, hands-free with the internal speaker, or can be tied to an external 8Ω speaker at 0.5 W. The IS-RS is powered by the system.



IS Series Digital PanTilt & Zoom Video Door Stations

Weather & Vandal Resistant Video Door Stations – surface mount



IS-DV
Wide Angle Digital PanTilt and Zoom Video Door Station, aluminum die cast, surface mount



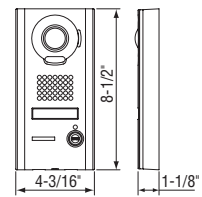
IS-IPDV
IP Addressable Wide Angle Digital PanTilt and Zoom Video Door Station, aluminum die cast, surface mount

IP Addressable Device

Video Door Station – IS-DV

The IS-DV is an aluminum die cast, surface mount video door station and is both weather and vandal resistant. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. There is a form C dry contact for door release. The IS-DV is powered by the system.

IS-DV, IS-IPDV



Video Door Station – IS-IPDV

The IS-IPDV is an IP addressable aluminum die cast, surface mount video door station and is both weather and vandal resistant. It connects directly to a network using CAT-5e/6 cable and can communicate with any IS-SOFT, IS-IPMV, or master station connected to an IS-IPC on a LAN/WAN. There is a form C dry contact for door release. This station utilizes 802.3af-compliant power-over-ethernet, or an external 24V DC power supply, PS-2420UL.

Weather & Vandal Resistant Video Door Stations – flush mount



IS-DVF
Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount



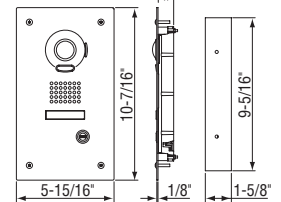
IS-IPDVF
IP Addressable Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount

IP Addressable Device

Video Door Station – IS-DVF

The IS-DVF is a stainless steel, flush mount video door station and is both weather and vandal resistant. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. There is a form C dry contact for door release. The IS-DVF is powered by the system.

IS-DVF, IS-IPDVF



Video Door Station – IS-IPDVF

The IS-IPDVF is an IP addressable stainless steel, flush mount video door station and is both weather and vandal resistant. It connects directly to a network using CAT-5e/6 cable and can communicate with any IS-SOFT, IS-IPMV, or master station connected to an IS-IPC on a LAN/WAN. There is a form C dry contact for door release. This station utilizes 802.3af-compliant power-over-ethernet, or an external 24V DC power supply, PS-2420UL.



IS-DVF-HID
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount

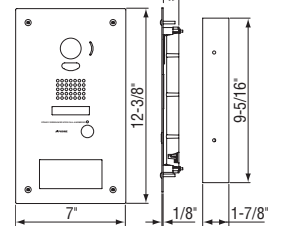


IS-DVF-HID-I
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded HID® iClass™ Smart Card Reader, stainless steel, flush mount

Video Door Station – IS-DVF-HID

The IS-DVF-HID is a stainless steel, flush mount video door station and is both weather and vandal resistant. It is equipped with an embedded HID® ProxPoint® Plus Proximity Card Reader, which must be wired to the access control host. The unit connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. There is a form C dry contact for door release. The IS-DVF-HID is powered by the system.

IS-DVF-HID, IS-DVF-HID-I



Video Door Station – IS-DVF-HID-I

The IS-DVF-HID is a stainless steel, flush mount video door station and is both weather and vandal resistant. It is equipped with an embedded HID® iClass™ Smart Card Reader, which must be wired to the access control host. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. There is a form C dry contact for door release. The IS-DVF-HID-I is powered by the system.

IS Series Audio Only Door Stations

Weather & Vandal Resistant Audio Only Door Stations – flush mount



IS-SS-HID
Audio Only Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount

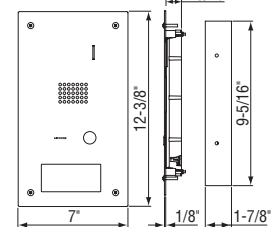


IS-SS-HID-I
Audio Only Door Station with an embedded HID® iClass™ Smart Card Reader, stainless steel, flush mount

Audio Only Door Station – IS-SS-HID

The IS-SS-HID is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It is equipped with an embedded HID® ProxPoint® Plus Proximity Card Reader, which must be wired to the access control host. The unit connects to the IS-CCU, IS-SCU, or IS-RCU using CAT-5e/6 cable. There is a form C dry contact for door release. The IS-SS-HID is powered by the system.

IS-SS-HID, IS-SS-HID-I



Audio Only Door Station – IS-SS-HID-I

The IS-SS-HID-I is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It is equipped with an embedded HID® iClass™ Smart Card Reader, which must be wired to the access control host. It connects to the IS-CCU, IS-SCU, or IS-RCU using CAT-5e/6 cable. There is a form C dry contact for door release. The IS-SS-HID-I is powered by the system.

IS Series Audio Only Door Stations (continued)

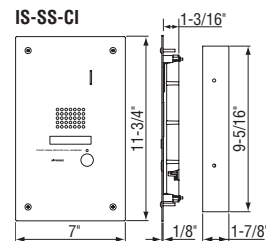
Weather & Vandal Resistant Audio Only Door Station – flush mount



IS-SS-CI
Audio Only Door Station, video input, stainless steel, flush mount

Audio Only Door Station – IS-SS-CI

The IS-SS-CI is a stainless steel, flush mount audio only door station with a CCTV camera input, call status indicator, and is both weather and vandal resistant. There is a CCTV output for video pass-through, plus two programmable dry contact outputs. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. The IS-SS-CI is powered by the system.



IS Series Rescue Assistance Stations

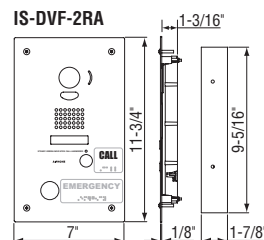
Weather & Vandal Resistant Video Door Station – flush mount



IS-DVF-2RA
ADA Compliant Rescue Assistance Station with Wide Angle Digital PanTilt and Zoom Video, lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, stainless steel, flush mount

Video Door Station – IS-DVF-2RA

The IS-DVF-2RA is a stainless steel, flush mount video door station and is both weather and vandal resistant. It is equipped with a standard call button, a red mushroom emergency call button, an ADA compliant call status indicator, and ADA compliant lettering / Braille signage. A Form C dry contact for door release and 2 additional relay outputs are included. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. The IS-DVF-2RA is powered by the system.



Weather & Vandal Resistant Audio Only Door Stations – flush mount



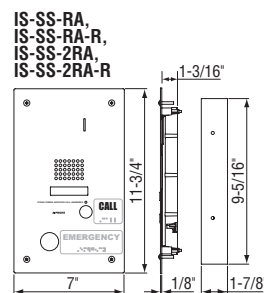
IS-SS-RA
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, single call button, 2 form C relay outputs, CCTV input, stainless steel, flush mount



IS-SS-RA-R
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, single call button, 2 form C relay outputs, stainless steel, flush mount

Audio Only Door Station – IS-SS-RA

The IS-SS-RA is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It is equipped with a standard call button, a red mushroom emergency call button, an ADA compliant call status indicator, and ADA compliant lettering / Braille signage. A Form C dry contact for door release, 2 additional relay outputs, and 1 CCTV input are included. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. The IS-SS-RA is powered by the system.



Audio Only Door Station – IS-SS-RA-R

The IS-SS-RA-R is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It includes most features (with the exception of CCTV input) of the IS-SS-RA, plus the ability to connect directly to the IS-RCU using CAT-5e/6 cable. The IS-SS-RA-R is powered by the system.



IS-SS-2RA
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, CCTV input, stainless steel, flush mount



IS-SS-2RA-R
ADA Compliant Audio Only Door Station with lettering and Braille signage, LED call status indicator, dual call buttons, 2 form C relay outputs, stainless steel, flush mount

Audio Only Door Station – IS-SS-2RA

The IS-SS-2RA is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It is equipped with a standard call button, a red mushroom emergency call button, an ADA compliant call status indicator, and ADA compliant lettering / Braille signage. A Form C dry contact for door release, 2 additional relay outputs, and 1 CCTV input are included. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. The IS-SS-2RA is powered by the system.

Audio Only Door Station – IS-SS-2RA-R

The IS-SS-2RA-R is a stainless steel, flush mount audio only door station and is both weather and vandal resistant. It includes most features (with the exception of CCTV input) of the IS-SS-2RA, plus the ability to connect directly to the IS-RCU using CAT-5e/6 cable. The IS-SS-2RA-R is powered by the system.

IS Series Modular Towers for Rescue Assistance Stations

Modular Towers for Rescue Assistance Stations (p. 89)

STEP 1

Choose modular tower size and color then proceed to STEP 2



- **TW-20B** (Shown)
Blue 2-Module Mid-Level Tower for standard applications using any IS Series Rescue Assistance Station
- **TW-20K**
Black Tower
- **TW-20R**
Red Tower
- **TW-20W**
White Tower
- **TW-20Y**
Yellow Tower



- **TW-22B** (Shown)
Blue 3-Module Dual Station Tower for gate entry applications using any IS Series Rescue Assistance Station
- **TW-22K**
Black Tower
- **TW-22R**
Red Tower
- **TW-22W**
White Tower
- **TW-22Y**
Yellow Tower



- **TW-23B** (Shown)
Blue 3-Module High-Level Tower for applications requiring greater visibility using any IS Series Rescue Assistance Station
- **TW-23K**
Black Tower
- **TW-23R**
Red Tower
- **TW-23W**
White Tower
- **TW-23Y**
Yellow Tower

Modular Towers – TW-20 Series

The TW-20B, TW-20K, TW-20R, TW-20W, and TW-20Y are 2-module mid-level towers made of .25" steel. All are weather and vandal resistant, zinc treated, and powder coated for outdoor use. Rescue assistance stations are compatible with these towers for assistance and emergency calling applications. Each tower can be customized by color, lettering, and cap style to suit the application. Call button mounting height meets ADA regulations. Modules are approximately 90lbs. for easy transportation and assembly. Compatible rescue assistance stations include the IS-SS-CI, IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

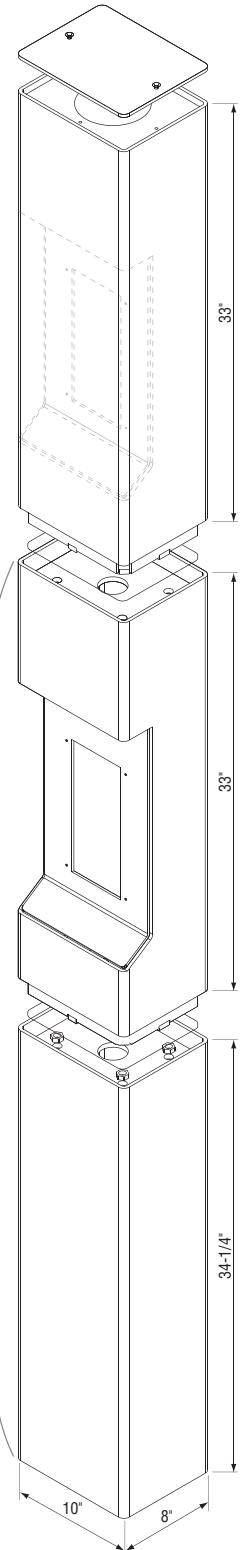
Modular Towers – TW-22 Series

The TW-22B, TW-22K, TW-22R, TW-22W, and TW-22Y are 3-module dual station towers made of .25" steel. All are weather and vandal resistant, zinc treated, and powder coated for outdoor use. Rescue assistance stations are compatible with these towers for assistance and emergency calling in gate entry applications. Each tower can be customized by color, lettering, and cap style to suit the application. Lower call button mounting height meets ADA regulations. Modules are approximately 90lbs. for easy transportation and assembly. Compatible rescue assistance stations include the IS-SS-CI, IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

Modular Towers – TW-23 Series

The TW-23B, TW-23K, TW-23R, TW-23W, and TW-23Y are 3-module high-level towers made of .25" steel. All are weather and vandal resistant, zinc treated, and powder coated for outdoor use. Rescue assistance stations are compatible with these towers for assistance and emergency calling in applications requiring greater visibility. Each tower can be customized by color, lettering, and cap style to suit the application. Call button mounting height meets ADA regulations. Modules are approximately 90lbs. for easy transportation and assembly. Compatible rescue assistance stations include the IS-SS-CI, IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

- TW-22 Series:**
TW-22B,
TW-22K,
TW-22R,
TW-22W,
TW-22Y
- TW-23 Series:**
TW-23B,
TW-23K,
TW-23R,
TW-23W,
TW-23Y



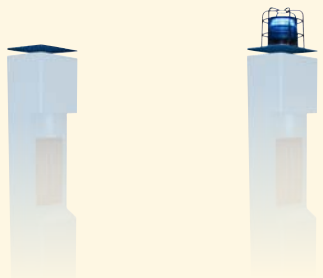
TW-20 Series:
TW-20B,
TW-20K,
TW-20R,
TW-20W,
TW-20Y



IS Series Cap Options for Modular Towers

Cap Options for Modular Towers (p. 90)

STEP 2

Choose cap style then proceed to STEP 3 (select same color as tower)



- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  TW-TPB (Shown) Blue Top Plate to cap modular towers |  TW-LCB (Shown) Blue Top Plate with Light Cage and Beacon to cap modular towers |
|  TW-TPK Black Top Plate |  TW-LCK Black Top Plate with Light Cage and Beacon |
|  TW-TPR Red Top Plate |  TW-LCR Red Top Plate with Light Cage and Beacon |
|  TW-TPW White Top Plate |  TW-LCW White Top Plate with Light Cage and Beacon |
|  TW-TPY Yellow Top Plate |  TW-LCY Yellow Top Plate with Light Cage and Beacon |

Cap Options – TW-TP Series

The TW-TPB, TW-TPK, TW-TPR, TW-TPW, and TW-TPY are steel top plates for capping any of the modular towers. For aesthetic purposes, select the same cap color as the tower color. These top plates are suitable for applications that do not require a beacon/strobe for visibility.











Cap Options – TW-LC Series

The TW-LCB, TW-LCK, TW-LCR, TW-LCW, and TW-LCY are steel top plates for capping any of the modular towers. Each is equipped with a blue beacon/strobe enclosed in a vandal resistant cage. For aesthetic purposes, select the same cap color as the tower color. These top plates with the light cages are suitable for applications that require a beacon/strobe for visibility.

Lettering Options for Modular Towers (p. 90)

STEP 3

Choose optional lettering style (color cannot be same as tower)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| ASSISTANCE | EMERGENCY |
|  TW-ASB Blue "ASSISTANCE" Lettering |  TW-EMB Blue "EMERGENCY" Lettering |
|  TW-ASK Black Lettering |  TW-EMK Black Lettering |
|  TW-ASR Red Lettering |  TW-EMR Red Lettering |
|  TW-ASW White Lettering |  TW-EMW White Lettering |
|  TW-ASY Yellow Lettering |  TW-EMY Yellow Lettering |

NOTE -

One lettering option per tower side. Order additional lettering options for multiple tower sides (for example, order 3 TW-ASBs for lettering on 3 tower sides). All lettering is applied to the tower at the factory.

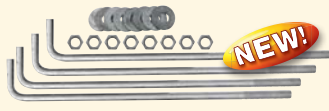
Lettering Options – TW-AS Series

The TW-ASB, TW-ASK, TW-ASR, TW-ASW, and TW-ASY are different color options for the word, "ASSISTANCE." It is recommended to only use blue, black, and red lettering on white or yellow towers and to only use white and yellow lettering on blue, black, and red towers. Signage can be applied up to 3 sides of the 2-modular mid-level tower and the 3-module dual station tower. Signage can be applied up to 4 sides of the 3-module high-level tower.

Lettering Options – TW-EM Series

The TW-EMB, TW-EMK, TW-EMR, TW-EMW, & TW-EMY are different color options for the word, "EMERGENCY." It is recommended to only use blue, black, and red lettering on white or yellow towers and to only use white and yellow lettering on blue, black, and red towers. Signage can be applied up to 3 sides of the 2-modular mid-level tower and the 3-module dual station tower. Signage can be applied up to 4 sides of the 3-module high-level tower.

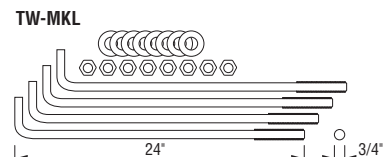
Mounting Kit for Modular Towers (p. 90)



TW-MKL
L-Bolt Mounting Kit for IS Series Modular Towers

Mounting Kit – TW-MKL

The TW-MKL is the mounting kit for securing the modular towers into new construction or cement.



IS Series Rescue Assistance Station Wall Boxes

Wall Boxes for Rescue Assistance Stations (p. 89)



IS-WBCA
ADA Compliant Wall Box with Light Cage, Beacon, and "ASSISTANCE" Lettering for any IS Series Rescue Assistance Station



IS-WBCE
ADA Compliant Wall Box with Light Cage, Beacon, and "EMERGENCY" Lettering for any IS Series Rescue Assistance Station



IS-WBHA
ADA Compliant Wall Box with Light Hood, Beacon, and "ASSISTANCE" Lettering for any IS Series Rescue Assistance Station

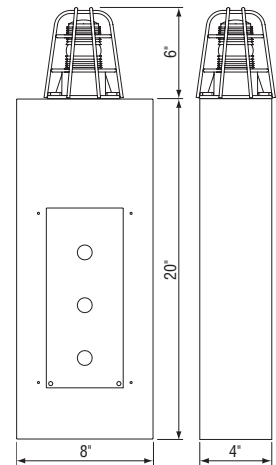


IS-WBHE
ADA Compliant Wall Box with Light Hood, Beacon, and "EMERGENCY" Lettering for any IS Series Rescue Assistance Station

Wall Box – IS-WBCA

The IS-WBCA is a 12 gauge stainless steel wall box and is both weather and vandal resistant. Rescue assistance stations are compatible with the IS-WBCA for assistance and emergency calling applications. The wall box comes with "ASSISTANCE" in reflective blue lettering on both sides of the unit. A blue beacon/strobe is enclosed in a vandal resistant cage, mounted on top of the wall box. The IS-WBCA's 4" depth meets all ADA mounting requirements. The blue beacon/strobe requires a 24V DC power source (not included). Compatible rescue assistance stations include the IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

IS-WBCA, IS-WBCE



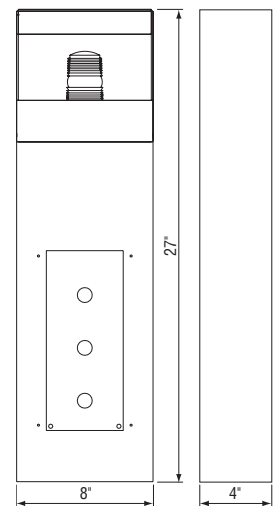
Wall Box – IS-WBCE

The IS-WBCE is a 12 gauge stainless steel wall box and is both weather and vandal resistant. Rescue assistance stations are compatible with the IS-WBCE for assistance and emergency calling applications. The wall box comes with "EMERGENCY" in reflective red lettering on both sides of the unit. A blue beacon/strobe is enclosed in a vandal resistant cage, mounted on top of the wall box. The IS-WBCE's 4" depth meets all ADA mounting requirements. The blue beacon/strobe requires a 24V DC power source (not included). Compatible rescue assistance stations include the IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

Wall Box – IS-WBHA

The IS-WBHA is a 12 gauge stainless steel wall box and is both weather and vandal resistant. Rescue assistance stations are compatible with the IS-WBHA for assistance and emergency calling applications. The wall box comes with "ASSISTANCE" in reflective blue lettering on both sides of the unit. A blue beacon/strobe is enclosed in a vandal resistant hood, mounted on top of the wall box. The IS-WBHA's 4" depth meets all ADA mounting requirements. The blue beacon/strobe requires a 24V DC power source (not included). Compatible rescue assistance stations include the IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

IS-WBHA, IS-WBHE



Wall Box – IS-WBCE

The IS-WBCE is a 12 gauge stainless steel wall box and is both weather and vandal resistant. Rescue assistance stations are compatible with the IS-WBCE for assistance and emergency calling applications. The wall box comes with "EMERGENCY" in reflective red lettering on both sides of the unit. A blue beacon/strobe is enclosed in a vandal resistant hood, mounted on top of the wall box. The IS-WBCE's 4" depth meets all ADA mounting requirements. The blue beacon/strobe requires a 24V DC power source (not included). Compatible rescue assistance stations include the IS-SS-RA, IS-SS-RA-R, IS-SS-2RA, IS-SS-2RA-R, and IS-DVF-2RA.

IS Series Door Station Surface Mount Boxes

Surface Mount Boxes for flush mount door stations



NEW!
SBX-ISDVF
Surface Mount Box for IS-DVF, IS-IPDVF, and IS-SS



NEW!
SBX-ISDVFFP
Surface Mount Box for IS-DVF-HID, IS-DVF-HID-I, IS-SS-HID, and IS-SS-HID-I



NEW!
SBX-ISDVFRA
Surface Mount Box for IS-SS-CI, IS-DVF-2RA, IS-SS-2RA, IS-SS-2RA-R, IS-SS-RA, and IS-SS-RA-R

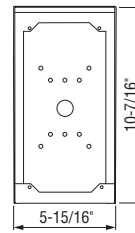
Features

- Hood provides weather resistance
- Includes space inside for wiring
- Can mount directly to wall surface
- Openings at bottom allow for moisture drainage

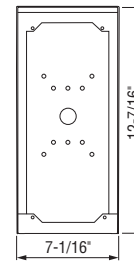
Specifications

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material | 18AWG stainless steel |
| Color | Polished stainless steel |
| Mounting Hardware | 8 x 32 with T-15 Torx head |
| Dimensions | <p>SBX-ISDVF: 10-7/16" H x 5-15/16" W x 2-13/16" D (top), 1-13/16" D (bottom)</p> <p>SBX-ISDVFFP: 12-7/16" H x 7-1/16" W x 2-13/16" D (top), 1-13/16" D (bottom)</p> <p>SBX-ISDVFRA: 11-11/16" H x 7-1/16" W x 2-13/16" D (top), 1-13/16" D (bottom)</p> |

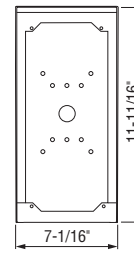
SBX-ISDVF



SBX-ISDVFFP



SBX-ISDVFRA



Depth for all 3



Used for:

SBX-ISDVF – IS-DVF, IS-IPDVF, and IS-SS
SBX-ISDVFFP – IS-DVF-HID, IS-DVF-HID-I, IS-SS-HID, and IS-SS-HID-I
SBX-ISDVFRA – IS-SS-CI, IS-DVF-2RA, IS-SS-2RA, IS-SS-2RA-R, IS-SS-RA, and IS-SS-RA-R

IS Series Door Station Mullion Mounting Bracket

Mullion Mount Bracket

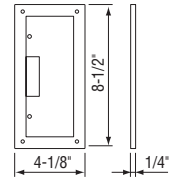


NEW!
IS-MB
Mullion Mounting Bracket for IS-DV and IS-IPDV

Features

- Allows IS-DV or IS-IPDV to be mounted to a door frame or mullion
- Designed to fit unit precisely and conceal wiring inside
- Can mount to either right or left of door

IS-MB



Used for:

IS-DV or IS-IPDV

IS Series Door Station Security Lock Box

Security Lock Box



NEW!
LB-SDVF
Security Lock Box for IS-DV, IS-DVF, IS-IPDV, and IS-IPDVF
(Lock not included)

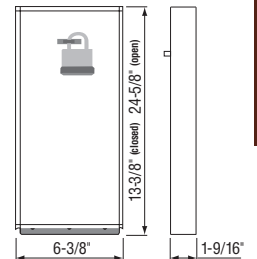
Features

- Lockable enclosure gives added protection to video door stations after business hours
- Includes a mounting plate for IS-DV/IS-IPDV
- Able to secure in open position with included "L" bracket

Specifications

| | |
|----------------|---------------------------------------------------------------------------------------------------------------|
| Material | 18AWG stainless steel |
| Color | Polished stainless steel |
| Mounting | 1-gang box or mount directly to wall surface |
| Dimensions | <p>Closed: 13-3/8" H x 6-5/16" W x 1-9/16" D</p> <p>Open: 24-5/8" H x 6-5/16" W x 1-9/16" D</p> |
| Interior Depth | 1-1/2" |

LB-SDVF



Used for:

IS-DV, IS-DVF, IS-IPDV, and IS-IPDVF

IS Series Rescue Assistance Station Interface Box

Interface Box



NEW!
IS-IFB
Interface Box for mounting IS Series Rescue Assistance Door Stations to existing Code Blue® or Talk-A-Phone® Towers and Wall Boxes

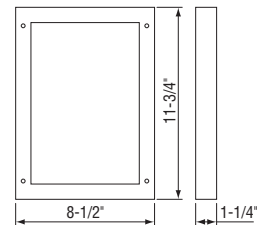
Features

- Adapts IS Series Rescue Assistance Door Stations to existing Code Blue® or Talk-A-Phone® Towers and Wall Boxes

Specifications

| | |
|------------|----------------------------------------------|
| Material | 18AWG stainless steel |
| Color | Polished stainless steel |
| Mounting | 1-gang box or mount directly to wall surface |
| Dimensions | 11-3/4" H x 8-1/2" W x 1-1/4" D |

IS-IFB



Used for:

IS Series Rescue Assistance Door Stations

AX Series Fixed Video Door Stations

Weather & Vandal Resistant Video Door Stations – surface mount



AX-DV
Fixed Video Door Station, aluminum die cast, surface mount

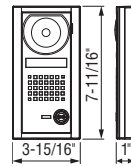


AX-DV-P
Fixed Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, aluminum die cast, surface mount

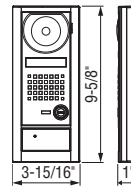
Features

- CAT-5e wired to CEU (980' Max)
- Polycarbonate lens cover
- Embedded HID® ProxPoint® Plus card reader (AX-DV-P)
- Fixed angle color video camera
- Employs 1/4" color CCD camera
- LED illumination automatically turns on in low light conditions

AX-DV



AX-DV-P



Specifications

| | |
|------------------|--------------------------------------------|
| Power Source | Supplied by CEU |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's 250,000 Pixels |
| Camera View Area | 2'1" vert. x 3'1" horiz. at 20° |
| Faceplate | Aluminum die cast |
| Mounting | Direct to wall surface |
| Wiring | Door to CEU: CAT-5e |
| Distance | Door to CEU: 980' |

NOTES:

- 1) HID® stations require a 3rd party host
- 2) Card reader and door strike power require additional wire

Used for:
AX Series

Weather & Vandal Resistant Video Door Stations – flush mount



AX-DVF
Fixed Video Door Station, stainless steel, flush mount

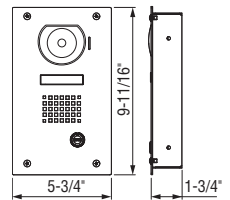


AX-DVF-P
Fixed Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount

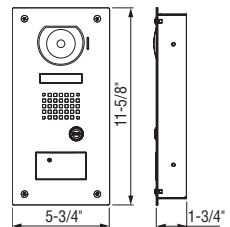
Features

- CAT-5e wired to CEU (980' Max)
- Polycarbonate lens cover
- Embedded HID® ProxPoint® Plus card reader (AX-DVF-P)
- Fixed angle color video camera
- Employs 1/4" color CCD camera
- LED illumination automatically turns on in low light conditions

AX-DVF



AX-DVF-P



Specifications

| | |
|------------------|--------------------------------------------|
| Power Source | Supplied by CEU |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's 250,000 Pixels |
| Camera View Area | 2'1" vert. x 3'1" horiz. at 20° |
| Faceplate | Stainless Steel |
| Mounting | Supplied back box |
| Wiring | Door to CEU: CAT-5e |
| Distance | Door to CEU: 980' |

NOTES:

- 1) HID® stations require a 3rd party host
- 2) Card reader and door strike power require additional wire

Used for:
AX Series

AX Series Audio Only Door Station

Audio Only Door Station – mullion surface mount



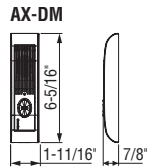
AX-DM
Audio Door Station,
plastic cover, mullion
surface mount

Features

- Mullion mounted door station
- Connected using CAT-5e wiring
- Constructed of sturdy ABS Plastic
- Weather resistant

Specifications

| | |
|---------------|--------------------------------|
| Power Source | Supplied by CEU |
| Communication | Hands-free when answered |
| Terminations | Color-coded pre-wired pigtails |
| Temp. Rating | 14° to 140°F |
| Material | ABS Plastic |
| Mounting | Surface mount |
| Wiring | Door to CEU: CAT-5e |
| Distance | Door to CEU: 980' |



Used for:
AX Series, IE Series,
and IPW-1A

AX Series Audio Sub Stations

Sub Stations – surface mount



AX-A
Sub Station,
surface mount



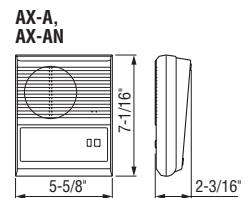
AX-AN
Privacy Sub Station,
surface mount

Features

- Connected using CAT-5e wiring
- Hands-free communication when master answers
- Desk or wall mount
- Mounts to 1-gang box or ring (wall mount)
- Privacy feature blocks unwanted monitoring from master (AX-AN)
- Constructed of sturdy ABS Plastic

Specifications

| | |
|---------------|----------------------------|
| Power Source | Supplied by CEU |
| Communication | Hands-free at sub |
| Material | ABS Plastic |
| Color | White with gray nameplate |
| Mounting | Surface mount |
| Wiring | Subs to CEU: CAT-5e |
| Distance | Subs to CEU: 980' |



Used for:
AX Series

Sub Stations – semi-flush mount



AX-B
Sub Station,
semi-flush mount



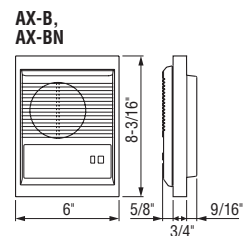
AX-BN
Privacy Sub Station,
semi-flush mount

Features

- Connected using CAT-5e wiring
- Hands-free communication when master answers
- Semi-flush mount design
- Optional rough-in box for new construction (BBX-1E)
- Privacy feature blocks unwanted monitoring from master (AX-BN)
- Constructed of sturdy ABS Plastic

Specifications

| | |
|---------------|----------------------------|
| Power Source | Supplied by CEU |
| Communication | Hands-free at sub |
| Mounting | Semi-Flush Mount |
| Material | ABS Plastic |
| Color | White with gray nameplate |
| Mounting | Semi-flush mount |
| Wiring | Subs to CEU: CAT-5e |
| Distance | Subs to CEU: 980' |



Used for:
AX Series

JA Series PanTilt Video Door Stations

Weather Resistant Video Door Station – surface mount

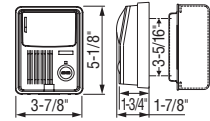


JA-DAC
PanTilt Video
Door Station,
plastic cover,
surface mount,
1-gang

Features

- Color CCD camera
- Mounts to 1-gang box or ring
- PanTilt control from inside station allows a viewing range of 2'11" H x 5'10" W at 20"
- LED illumination automatically turns on in low light conditions

JA-DAC



Specifications

| | |
|-------------------|-------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's |
| Scanning Lines | 525 lines |
| Min. Illumination | 5 Lux at 1' from camera |
| Camera View Area | 2'11" vert. x 5'10" horiz. at 20" |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |

Used for:
JA Series

Weather & Vandal Resistant Video Door Station – semi-flush mount

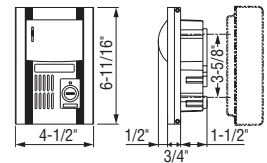


JA-DGC
PanTilt Video
Door Station,
aluminum panel,
semi-flush
mount, 3-gang

Features

- Color CCD camera
- Mounts to 3-gang box or ring
- PanTilt control from inside station allowing a viewing range of 2'11" H x 5'10" W at 20"

JA-DGC



Specifications

| | |
|-------------------|-------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's |
| Scanning Lines | 525 lines |
| Min. Illumination | 5 Lux at 1' from camera |
| Camera View Area | 2'11" vert. x 5'10" horiz. at 20" |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |

Used for:
JA Series

Weather & Vandal Resistant Video Door Station – flush mount

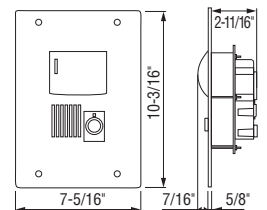


JA-DGV
PanTilt Video Door
Station, stainless
steel faceplate,
flush mount

Features

- Color CCD camera
- PanTilt control from inside station allowing a viewing range of 2'11" H x 5'10" W at 20"

JA-DGV



Specifications

| | |
|-------------------|-------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Camera | CCD camera |
| Scanning Lines | 525 lines |
| Min. Illumination | 5 Lux at 1' from camera |
| Camera View Area | 2'11" vert. x 5'10" horiz. at 20" |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |

Used for:
JA Series

JF Series Fixed Video Door Stations

Weather Resistant Video Door Station – surface mount



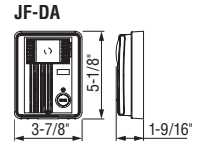
JF-DA
Fixed Video Door Station, plastic cover, surface mount

Features

- Fixed angle color video camera
- Employs 1/4" color CCD camera
- Mounts to 1-gang box or ring
- LED illumination automatically turns on in low light conditions

Specifications

| | |
|-------------------|-------------------------------------------------------|
| Power Source | Supplied by master in use |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's |
| Scanning Lines | 525 lines |
| Min. Illumination | 5 Lux at 1' from camera |
| Camera View Area | 2'1" vert. x 3'1" horiz. at 20" |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |



Used for:
JF Series

Weather & Vandal Resistant Video Door Station – surface mount



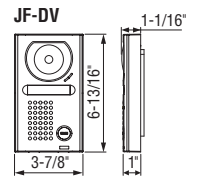
JF-DV
Fixed Video Door Station, zinc die cast, surface mount

Features

- Fixed angle color video camera
- Employs 1/4" color CCD camera
- Locator LED backlit on CALL button
- LED illumination automatically turns on in low light conditions

Specifications

| | |
|-------------------|-------------------------------------------------------|
| Power Source | Supplied by master in use |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's |
| Scanning Lines | 525 lines |
| Min. Illumination | 5 Lux at 1' from camera |
| Camera View Area | 2'1" vert. x 3'1" horiz. at 20" |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |



Used for:
JF Series

Weather & Vandal Resistant Video Door Stations – flush mount



JF-DVF
Fixed Video Door Station, stainless steel, flush mount

Features

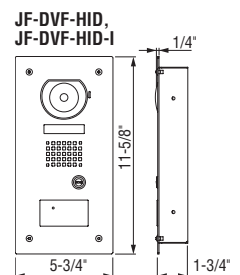
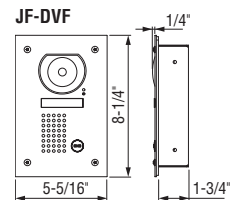
- Fixed angle color video camera
- Employs 1/4" color CCD camera
- LED illumination automatically turns on in low light conditions

NOTES:

- 1) HID® stations require a 3rd party host
- 2) Card reader and door strike power require additional wire

Specifications

| | |
|-------------------|-------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Camera | CCD camera with white LED's |
| Scanning Lines | 525 lines |
| Min. Illumination | 5 Lux at 1' from camera |
| Camera View Area | 2'1" vert. x 3'1" horiz. at 20" |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |



Used for:
JF Series



JF-DVF-HID
Fixed Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount



JF-DVF-HID-I
Fixed Video Door Station with an embedded HID® iCLASS™ Smart Card Reader, stainless steel, flush mount

JK Series Digital PanTilt & Zoom Video Door Stations

Weather Resistant Video Door Station – surface mount



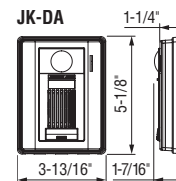
JK-DA
Wide Angle Digital PanTilt and Zoom Video Door Station, plastic cover, surface mount

Features

- Employs 1/4" color CMOS camera
- Locator LED backlit on CALL button
- LED illumination automatically turns on in low light conditions
- Wide angle camera allows user to view up to 170° of the entire entry
- Entry can be monitored without alerting visitors they are being viewed, even at night
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination
- Mounts to 1-gang box or ring

Specifications

*See specifications for JK-DV (below)



Used for:
JK Series

Weather & Vandal Resistant Video Door Station – surface mount



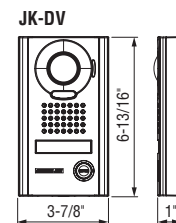
JK-DV
Wide Angle Digital PanTilt and Zoom Video Door Station, zinc die cast, surface mount

Features

- Employs 1/4" color CMOS camera
- LED illumination automatically turns on in low light conditions
- Wide angle camera allows user to view up to 170° of the entire entry
- Entry can be monitored without alerting visitors they are being viewed, even at night
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination

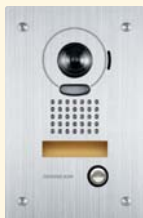
Specifications

| | | | |
|-------------------|------------------------------------------------|-----------|-------------------------------------------------------|
| Power Source | Supplied by master station | | |
| Communication | Hands-free when answered | Wiring | Door to master: 2-cond., low cap, non-shielded |
| Camera | Complementary metal oxide semiconductor (CMOS) | Distance | Door to master: 165'(22AWG) 330'(18AWG) |
| Scanning Lines | 525 lines | Wire Type | Door to master: Aiphone #871802 |
| Min. Illumination | 5 Lux at 1' from camera | | |
| Camera View Area | 170° horizontal | | |
| Temp. Rating | 14° to 140° F | | |



Used for:
JK Series

Weather & Vandal Resistant Video Door Stations – flush mount



JK-DVF
Wide Angle Digital PanTilt and Zoom Video Door Station, stainless steel, flush mount

Features

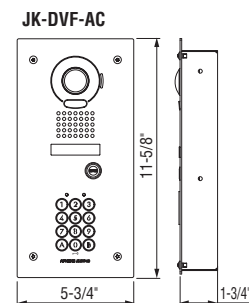
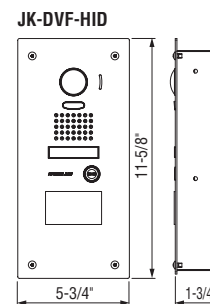
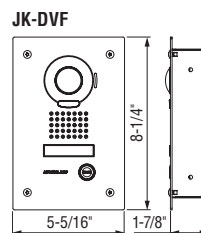
- Employs 1/4" color CMOS camera
- Locator LED backlit on CALL button
- LED illumination automatically turns on in low light conditions
- Wide angle camera allows user to view up to 170° of the entire entry
- Entry can be monitored without alerting visitors they are being viewed, even at night
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination

NOTES:

- 1) HID® stations require a 3rd party host
- 2) Card reader and door strike power require additional wire

Specifications

| | | | |
|-------------------|------------------------------------------------|-------------------------------------------------------|--|
| Power Source | Supplied by master station | | |
| Communication | Hands-free when answered | | |
| Camera | Complementary metal oxide semiconductor (CMOS) | | |
| Scanning Lines | 525 lines | | |
| Min. Illumination | 5 Lux at 1' from camera | | |
| Camera View Area | 170° horizontal | | |
| Temp. Rating | 14° to 140° F | | |
| Wiring | | Door to master: 2-cond., low cap, non-shielded | |
| Distance | | Door to master: 165'(22AWG) 330'(18AWG) | |
| Wire Type | | Door to master: Aiphone #871802 | |



Used for:
JK Series



JK-DVF-HID
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded HID® ProxPoint® Plus Proximity Card Reader, stainless steel, flush mount



JK-DVF-AC
Wide Angle Digital PanTilt and Zoom Video Door Station with an embedded access keypad, stainless steel, flush mount

KB & KC Series Tilt Video Door Stations

Weather Resistant Video Door Stations – surface mount



KB-DAR
Tilt Video Door Station, plastic cover, surface mount, 1-gang



KB-DAR-M
Tilt Video Door Station, motion detector interface, plastic cover, surface mount, 1-gang

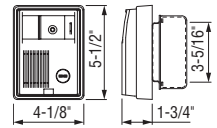


KC-DAR
Tilt Video Door Station, plastic cover, surface mount, 1-gang

Features

- Tilt controlled camera
- Mounts to 1-gang box or ring
- Employs 1/4" color CCD camera
- Locator LED backlit on CALL button
- LED illumination automatically turns on in low light conditions

KB-DAR, KB-DAR-M, KC-DAR



Specifications

| | |
|------------------|------------------------------------------------------------------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Camera View Area | Approx. 2' horizontal, 3'8"-7'1" vertical at 4'3" high at 20" from camera |
| Night Viewing | Up to 20" from camera, with white LED projected, background scene beyond 20" cannot be seen |
| Wiring | Door to master: 2-cond., low cap, non-shielded |
| Distance | Door to master (KB): 330'(22AWG) 650'(18AWG) Door to master (KC): 165'(22AWG) 330'(18AWG) |
| Wire Type | Door to master: Aiphone #871802 |

Used for:

- KB door stations are only compatible with the KB Series
- KC door stations are only compatible with the KC Series

Stainless Steel Housings for KB-DAR, KB-DAR-M, and KC-DAR



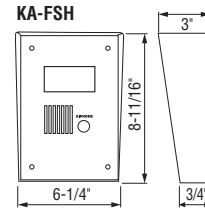
KA-FSH
Housing Panel, stainless steel, flush mount
(Camera not included)



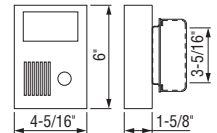
KA-DGR Panel
Housing Panel for KB-DAR, KB-DAR-M and KC-DAR, stainless steel, surface mount
(Camera not included)

Features

- Stainless steel construction
- Weather resistant for outdoor use
- KA-FSH includes hood for greater protection from weather
- KA-FSH can be mounted without hood in order to be flush mounted (recommended for indoor installations only)
- Can be added to any existing KB-DAR, KB-DAR-M or KC-DAR color video door station



KA-DGR Panel



Used for:

- KB-DAR, KB-DAR-M, and KC-DAR

Audio Only Door Stations Compatible with Video Systems

Weather Resistant Audio Only Door Stations – surface mount



JF-D
Door Station, plastic cover, surface mount, 1-gang

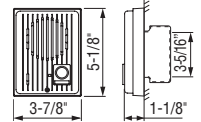


JA-D
Door Station, plastic cover, surface mount, 1-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Compact surface mount design
- Mounts to 1-gang box or ring
- Call button rings chime or tone at inside station

JA-D, JF-D



Specifications

| | |
|---------------|---------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Temp. Rating | 14° to 140°F |
| Wiring | Door to master: 2-cond., overall shield |
| Distance | Door to master: 330'(18AWG) |
| Wire Type | Door to master: Aiphone #822202 or #821802 |

Used for:

- JF-D – JF-2MED
- JA-D – JA Series, JAW-AZ, and JBW-M

Audio Only Door Stations Compatible with Video Systems (continued)

Weather Resistant Audio Only Door Station – surface mount



IF-DA
Door Station, plastic cover, surface mount, 1-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Compact surface mount design
- Mounts to 1-gang box or ring
- Call button rings chime or tone at inside station

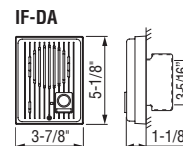
Specifications

| | |
|---------------|----------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Temp. Rating | 14° to 140° F |

Wiring

Distance
Wire Type

Door to master:
2-cond., overall shield
Varies by system
Door to master:
Aiphone #822202
or #821802



Used for:
AX Series, IE-8MD,
IPW-1A, KB Series,
and TD-H/B

Weather Resistant Audio Only Door Station – flush mount



IE-JA
Door Station, stainless steel faceplate, flush mount, 2-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Slim flush mount design with stainless steel faceplate
- Mounts to 2-gang box or ring

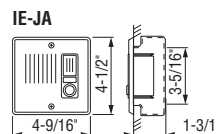
Specifications

| | |
|---------------|-----------------------------------------|
| Communication | Hands-free when answered |
| Speaker | 20Ω |
| Material | Plastic case, stainless steel faceplate |
| Color | Stainless steel with black plastic |
| Temp. Rating | 14° to 140° F |

Wiring

Distance
Wire Type

Door to master:
2-cond., overall shield
Varies by system
Door to master:
Aiphone #822202
or #821802



Used for:
AX Series, IE-8MD,
IPW-1A, KB Series,
and TD-H/B

Weather & Vandal Resistant Audio Only Door Stations – flush mount



IE-SS/A
Door Station, stainless steel, flush mount, 2-gang



IE-SSR
Door Station, stainless steel, red mushroom call button, flush mount, 2-gang



IE-SSV
Door Station with built-in CCTV camera, stainless steel, flush mount, 2-gang

Features

- Weather and vandal resistant
- Stainless steel, mechanical call button (IE-SS/A)
- Red mushroom call button (IE-SSR)
- Stainless steel, mechanical call button with backlit LED (IE-SSV)
- Moisture and puncture resistant speaker
- 3-layer steel baffle protects speaker from tampering
- Hands-free communication when master answers
- Pigtail wires for connection to master station

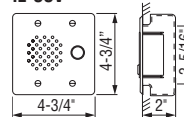
Specifications

| | |
|-------------------|-------------------------------------------------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Speaker | 20Ω, 2-1/2" diameter, water and puncture resistant, 2.5 oz. ceramic magnet |
| Call Button | Mechanical SPST switch, stainless steel (IE-SS/A and IE-SSV), red mushroom SPST switch (IE-SSR) |
| Faceplate | 12AWG stainless steel |
| Mounting | 2-gang or SBX-2G for surface mount |
| Mounting Hardware | Tamper proof screws |
| Terminations | Color-coded pre-wired pigtails |
| Temp. Rating | 14° to 140° F |
| Wiring | Door to master: 2-cond., overall shield |
| Distance | Varies by system |
| Wire Type | Door to master: Aiphone #822202 or #821802 |

Specifications (IE-SSV Only)

| | |
|---------------------|--------------------------------------------|
| Camera Power Source | 12V DC, 100mA |
| Video Output | 75Ω / 1Vp-p composite video |
| Iris Control | Auto |
| Min. Illumination | 1 Lux |
| Video Wiring | BNC connection to destination video device |

IE-SS/A, IE-SSR, IE-SSV



Used for:
AX Series, IE-8MD, IPW-1A,
KB Series (not IE-SSV),
and TD-H/B Series

LE Audio Only Door Stations

Weather Resistant Audio Only Door Station – surface mount



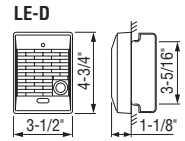
LE-D
Door Station, plastic cover, surface mount, 1-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Compact surface mount design
- Mounts to 1-gang box or ring

Specifications

| | | | |
|---------------|------------------------------|--------------|---------------------------------------------------|
| Communication | Hands-free when answered | Temp. Rating | 14° to 140°F |
| Speaker | 20Ω | Distance | Doors to master: 650'(22AWG) 1,600'(18AWG) |
| Material | ABS Plastic | | |
| Color | Black with white trim border | | |



Used for:
LEF and LEM

Weather Resistant Audio Only Door Station – flush mount



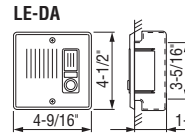
LE-DA
Door Station, stainless steel faceplate, flush mount, 2-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Slim flush mount design with stainless steel faceplate
- Mounts to 2-gang box or ring

Specifications

| | | | |
|--------------|---------------------------------------------------|--|--|
| Speaker | 20Ω | | |
| Material | Plastic case, stainless steel faceplate | | |
| Color | Stainless steel with black plastic | | |
| Temp. Rating | 14° to 140°F | | |
| Distance | Doors to master: 650'(22AWG) 1,600'(18AWG) | | |



Used for:
LEF and LEM

Weather & Vandal Resistant Audio Only Door Stations – flush mount



LE-SS-1G
Door Station, stainless steel, flush mount, 1-gang



LE-SS/A
Door Station, stainless steel, flush mount, 2-gang



LE-SSR
Door Station, stainless steel, red mushroom call button, flush mount, 2-gang



LE-SSV
Door Station with built-in CCTV camera, stainless steel, flush mount, 2-gang



LS-NVP/C
Door Station, powder-coated steel, flush mount, 3-gang

Features

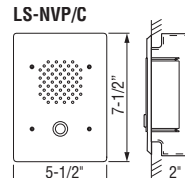
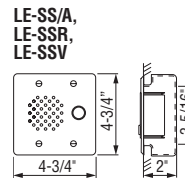
- Weather and vandal resistant
- Stainless steel, mechanical call button (LE-SS/A, LE-SSV, and LS-NVP/C)
- Red mushroom call button (LE-SSR)
- Moisture and puncture resistant speaker
- 3-layer steel baffle protects speaker from tampering
- Hands-free communication when master answers
- Pigtail wires for connection to master station

Specifications

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Speaker | 20Ω, 2-1/2" diameter, water and puncture resistant, 2.5 oz. ceramic magnet |
| Call Button | LE-SS/A, LE-SSV, and LS-NVP/C: Mechanical SPST switch, stainless steel LE-SSR: red mushroom SPST switch |
| Faceplate | LE-SS-1G, LE-SS/A, LE-SSR, and LE-SSV: 12AWG stainless steel, LS-NVP/C: 11AWG carbon steel with powder-coated white baked epoxy finish |
| Mounting | LE-SS-1G: 1-gang box or SBX-1G for surface mount LE-SS/A, LE-SSR, and LE-SSV: 2-gang box or SBX-2G for surface mount LS-NVP/C: 3-gang box or SBX-NVP for surface mount |
| Mounting Hardware | Tamper proof screws |
| Terminations | Color-coded pre-wired pigtails |
| Wiring | LEM, AP-M, and MP-S (homerun): 2-cond., overall shield LEF (homerun): 3-cond., overall shield |
| Distance | LEF, LEM, and LAF-C: 650'(22AWG) 1,600'(18AWG) AP-M: 490'(22AWG) 1,200'(18AWG) MP-S: 330'(22AWG) 720'(18AWG) |
| Wire Type | LEF, LEM, LAF-C, AP-M, and MP-S (homerun): Aiphone #822202 or #821802 LEF (homerun): Aiphone #821803 |

Specifications (LE-SSV Only)

| | |
|---------------------|--------------------------------------------|
| Camera Power Source | 12V DC, 100mA (included) |
| Video Output | 75Ω / 1Vp-p composite video |
| Iris Control | Auto |
| Min. Illumination | 1 Lux |
| Video Wiring | BNC connection to destination video device |



Used for:
LEF, LEM, AP-M, and MP-S

NEM Audio Only Door Stations

Weather Resistant Audio Only Door Station – surface mount

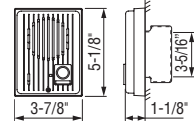


NE-DA
Door Station,
plastic cover,
surface mount,
1-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Compact surface mount design and mounts to 1-gang box or ring
- Equipped with extra contact capability (RY-PA) to activate a remote device at the sub location from the time the call is placed until it's answered
- Corridor lamp (NBY-4A) can be included at each sub station location

NE-DA



Specifications

| | |
|---------------|----------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Temp. Rating | 14° to 140°F |
| Wiring | Doors to master: 2-cond., overall shield |
| Distance | Doors to master: 420'(22AWG) 1,000'(18AWG) |
| Wire Type | Doors to master: Aiphone #822202 or #821802 |

Used for:
NEM Series

Weather Resistant Audio Only Door Station – flush mount

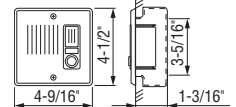


NE-JA
Door Station,
stainless steel
faceplate, flush
mount, 2-gang

Features

- Weather resistant for outdoor use
- Push button to call master station(s)
- Hands-free communication when master answers
- Slim flush mount design and mounts to 2-gang box or ring
- Equipped with extra contact capability (RY-PA) to activate a remote device at the sub location from the time the call is placed until it's answered

NE-JA



Specifications

| | |
|---------------|----------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Temp. Rating | 14° to 140°F |
| Wiring | Doors to master: 2-cond., overall shield |
| Distance | Doors to master: 360'(22AWG) 880'(18AWG) |
| Wire Type | Doors to master: Aiphone #822202 or #821802 |

Used for:
NEM Series

Weather & Vandal Resistant Audio Only Door Stations – flush mount



NE-SS-1G
Door Station,
stainless steel,
flush mount,
1-gang



NE-SS/A
Door Station,
stainless steel,
flush mount,
2-gang



NE-SSR
Door Station, stainless
steel, red mushroom
call button, flush
mount, 2-gang



NE-NVP/C
Door Station,
powder-coated
steel, flush
mount, 3-gang

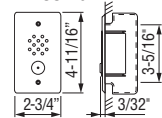


NE-NVP-RA
Door Station, powder-
coated steel, red
mushroom call button,
call status indicators,
braille signage, flush
mount, 3-gang

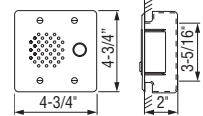
Features

- Weather and vandal resistant
- Stainless steel, mechanical call button (NE-SS/A, NE-NVP/C, and NE-NVP-RA)
- Red mushroom call button (NE-SSR)
- Moisture and puncture resistant speaker
- 3-layer steel baffle protects speaker from tampering
- Hands-free communication when master answers
- Call-in activates light and tone on master, remaining lit until call is answered at master
- Pigtail wires for connection to master station

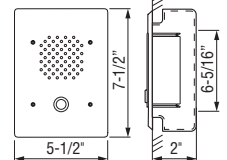
NE-SS-1G



**NE-SS/A,
NE-SSR**



**NE-NVP/C,
NE-NVP-RA**



Specifications

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | Supplied by master station |
| Communication | Hands-free when answered |
| Speaker | 20Ω, 2-1/2" diameter, water and puncture resistant, 2.5 oz. magnet |
| Call Button | NE-SS/A, NE-NVP/C, and NE-NVP-RA: Mechanical SPST switch, stainless steel NE-SSR: Red mushroom SPST switch |
| Faceplate | NE-SS-1G, NE-SS, and NE-SSR: 12AWG stainless steel NE-NVP/C and NE-NVP-RA: 11AWG carbon steel with powder-coated white baked epoxy finish |
| Mounting | NE-SS-1G: 1-gang box or SBX-1G for surface mount NE-SS/A and NE-SSR: 2-gang box or SBX-2G for surface mount NE-NVP/C and NE-NVP-RA: 3-gang box or SBX-NVP for surface mount |
| Mounting Hardware | Tamper proof screws |
| Terminations | Color-coded pre-wired pigtails |
| Wiring | Doors to master: 2-cond., overall shield NE-NVP-RA: 3-cond., overall shield |
| Distance | Doors to master: 420'(22AWG) 1,000'(18AWG) |
| Wire Type | Doors to master: Aiphone #822202 or #821802 |

Used for:
NEM Series

Door Station Surface Mount Boxes

Surface Mount Box

for flush mount 1-gang door stations



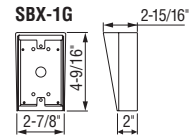
SBX-1G
Surface Mount Box

Features

- Weather resistant
- Includes space inside for wiring
- Mounts directly to wall surface

Specifications

| | |
|-------------------|--------------------------------------------------------|
| Material | 18AWG stainless steel |
| Color | Polished stainless steel |
| Mounting Hardware | 8 x 32 with T-15 Torx head |
| Dimensions | 4-9/16" H x 2-7/8" W x 2-15/16" D (top), 2" D (bottom) |
| Interior Depth | 2-3/16" |



Used for:

LE-SS-1G and NE-SS-1G

Surface Mount Box

for 1-gang door stations



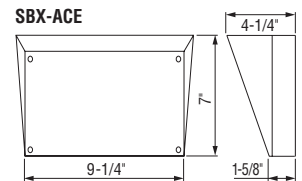
SBX-ACE
Surface Mount
Box for intercom
and access
control device

Features

- Vandal resistant
- Hood provides weather resistance
- Includes blank stainless steel faceplate for wide range of mounting options
- Openings at bottom allow for moisture drainage

Specifications

| | |
|-------------------|-----------------------------------------------------|
| Material | 18AWG stainless steel |
| Color | Brushed stainless steel |
| Mounting Hardware | 8 x 32 with T-15 Torx head |
| Dimensions | 7" H x 9-1/4" W x 4-1/4" D (top), 1-5/8" D (bottom) |
| Interior Depth | 1-5/8" |

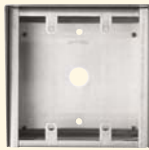


Used for:

Any Aiphone 1-gang audio only door station or audio/video door station with an access control device

Surface Mount Boxes

for 2-gang door stations



SBX-2G
Surface Mount Box



SBX-2BH
Horizontal Mount Box



SBX-2BV
Vertical Mount Box

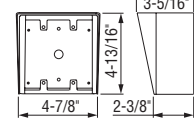
Features

- Weather resistant
- Includes space inside for wiring
- Mounts to 1-gang box or ring
- Can mount directly to wall surface
- Includes hardware for mounting intercom

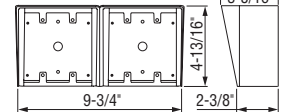
Specifications

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material | 18AWG stainless steel |
| Color | Polished stainless steel (SBX-2G, SBX-2BH and SBX-2BV) |
| Mounting Hardware | 8 x 32 with T-15 Torx head |
| Dimensions | SBX-2G: 4-13/16" H x 4-7/8" W x 3-5/16" D (top), 2-3/8" D (bottom) SBX-2BH: 4-13/16" H x 9-3/4" W x 3-5/16" D (top), 2-3/8" D (bottom) SBX-2BV: 9-5/8" H x 4-7/8" W x 3-5/16" D (top), 2-3/8" D (bottom) |
| Interior Depth | 2-3/16" |

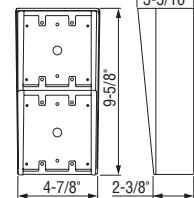
SBX-2G



SBX-2BH



SBX-2BV



Used for:

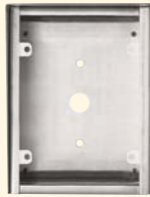
SBX-2G – IE-JA, IE-SS/A, IE-SSR, IE-SSV, LE-DA, LE-SS/A, LE-SSR, LE-SSV, NE-JA, NE-SS/A, and NE-SSR
SBX-2BH, SBX-2BV – HID-SS with one IE-SS/A, IE-SSR, IE-SSV, LE-SS/A, LE-SSR, IE-SSV, NE-SS/A, or NE-SSR

Door Station Surface Mount Boxes (continued)

Surface Mount Boxes for 3-gang door stations



SBX-NVP
Surface Mount Box



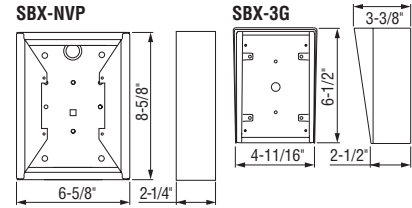
SBX-3G
Surface Mount Box

Features

- Weather resistant
- Includes space inside for wiring
- Mounts to 1-gang box or ring
- Can mount directly to wall surface
- Powder-coated white baked epoxy finish (SBX-NVP)

Specifications

- Material**
SBX-NVP: 1/8" rolled steel
SBX-3G: 18AWG stainless steel
- Color**
SBX-NVP: White baked epoxy
SBX-3G: Polished stainless steel
- Mounting Hardware** 8 x 32 with T-15 Torx head
- Dimensions**
SBX-NVP: 8-5/8"H x 6-5/8"W x 2-1/4"D
SBX-3G: 6-1/2"H x 4-11/16"W 3-3/8"D (top), 2-1/2"D (bottom)
- Interior Depth**
SBX-NVP: 2"
SBX-3G: 2-1/8"



Used for:

- SBX-NVP** – LS-NVP/C, NE-NVP/C, and NE-NVP-RA
SBX-3G – AN-8050DS, AN-8050DSW, and AN-8540DS

Surface Mount Boxes for flush mount door stations



SBX-DGV
Surface Mount Box



SBX-DVF
Surface Mount Box



SBX-AXDVF
Surface Mount Box



SBX-DVF-P
Surface Mount Box



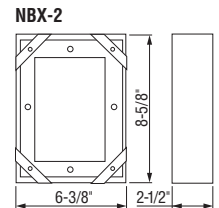
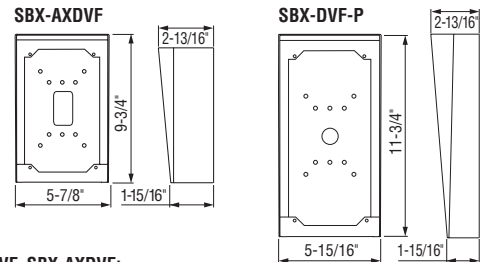
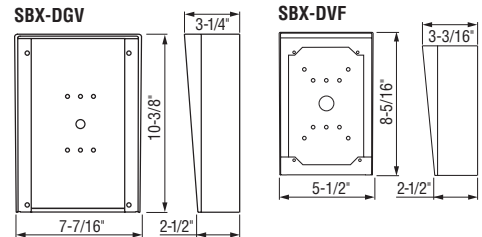
NBX-2
Surface Mount Box

Features

- Hood provides weather resistance
- Includes space inside for wiring
- Can mount directly to wall surface
- Openings at bottom allow for moisture drainage

Specifications

- Material**
SBX-DGV, SBX-DVF, SBX-AXDVF: 16AWG stainless steel (outer layer)
 18AWG stainless steel (inner layer)
SBX-DVF-P: 18AWG stainless steel
NBX-2: Powder-coated metal
- Color**
 Brushed stainless steel
- Mounting Hardware** 8 x 32 with T-15 Torx head
- Dimensions**
SBX-DGV: 10-3/8"H x 7-7/16"W x 3-1/4"D (top), 2-1/2"D (bottom)
SBX-DVF: 8-5/16"H x 5-1/2"W x 3-3/16"D (top), 2-1/2"D (bottom)
SBX-AXDVF: 9-3/4"H x 5-7/8"W x 2-13/16"D (top), 1-15/16"D (bottom)
SBX-DVF-P: 11-3/4"H x 5-5/16"W x 2-3/16"D (top), 1-15/16"D (bottom)
NBX-2: 8-5/8"H x 6-3/8"W x 2-1/2"D



Used for:

- SBX-DGV** – JA-DGV
SBX-DVF – JF-DVF and JK-DVF
SBX-AXDVF – AX-DVF
SBX-DVF-P – AX-DVF-P, JF-DVF-HID, JF-DVF-HID-I, and JK-DVF-HID
NBX-2 – NA-NE

Sub Station Back Boxes

Back Boxes for flush mounting semi-flush sub stations



BBX-1E (Shown)

BBX-3E
Back Box for flush mounting semi-flush sub stations

Features

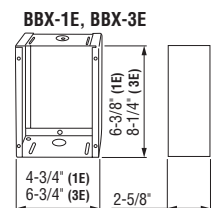
- Provides easy installation of LEF-C units

Specifications

- Dimensions**
BBX-1E: 6-3/8"H x 4-3/4"W x 2-5/8"D
BBX-3E: 8-1/4"H x 6-3/4"W x 2-5/8"D

Used for:

- BBX-1E** – AX-B, AX-BN, LE-B, LE-BN, LE-C, LE-CN, LEF-1C, and LEF-3C
BBX-3E – LEF-5C and LEF-10C



Door Station Mullion Mounting Brackets & Angle Boxes

Mullion Mounting Brackets & Angle Boxes for surface mount door stations



JK-MB
Mullion Mounting Bracket for JK-DV and JF-DV



KMB-45
45° Mullion Mounting Bracket for 1-gang audio and 1-gang audio/video door stations



KAW-D
30° Angle Box for 1-gang audio and 1-gang audio/video door stations



SBX-AXDV30
30° Angle Box for AX-DV



SBX-DV30
30° Angle Box for JK-DV and JF-DV

Features (JK-MB)

- Allows JF-DV or JK-DV to be mounted to a door frame or mullion
- Designed to fit unit precisely and conceal wiring inside
- Can mount to either right or left of door

Features (KMB-45)

- Compatible with Aiphone 1-gang surface mount door stations
- Mullion mounts door stations outward by 45°
- Can mount to either right or left of door
- Provides a better viewing angle for the camera

Features (KAW-D)

- Compatible with Aiphone 1-gang surface mount door stations
- Angles 1-gang door stations outward by 30°
- Can mount to either right or left of door
- Hinged faceplate for mounting door station
- Provides a better viewing angle for the camera

Features (SBX-DV30)

- Designed for angle mounting the JF-DV and JK-DV outward by 30°
- Applicable for wide or double door entrances
- Provides a better viewing angle for the camera

Features (SBX-AXDV30)

- Designed for angle mounting the AX-DV outwardly by 30°
- Applicable for wide or double door entrances
- Provides a better viewing angle for the camera

Specifications (JK-MB)

Material Aluminum
Color Black powder coated metal
Mounting 1-gang box or mount directly to wall surface
Dimensions 5-5/8"H x 4-1/4"W

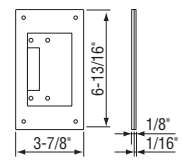
Specifications (KAW-D & KMB-45)

Material ABS Plastic
Color **KAW-D:** Charcoal gray plastic
KMB-45: Black powder coated metal
Mounting 1-gang box or mount directly to wall surface
Dimensions 5-5/8"H x 4-1/4"W

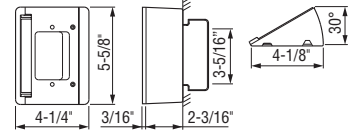
Specifications (SBX-DV30 & SBX-AXDV30)

Material 18AWG stainless steel
Color Polished stainless steel
Mounting 1-gang box or mount directly to wall surface
Dimensions **SBX-DV30:** 6-13/16"H x 3-5/8"W x 2-3/4"D (top) 3/4"D (bottom)
SBX-AXDV30: 7-5/8"H x 3-7/8"W x 2-3/4"D (top) 5/8"D (bottom)

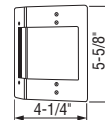
JK-MB



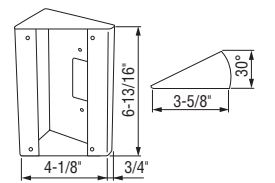
KAW-D



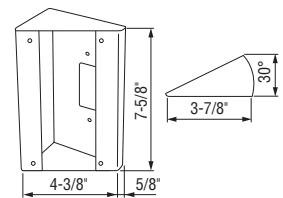
KMB-45



SBX-DV30



SBX-AXDV30



Used for:

JK-MB – JK-DV and JF-DV
KAW-D & KMB-45 – 1-gang audio and 1-gang audio/video door stations
SBX-DV30 – JF-DV and JK-DV
SBX-AXDV30 – AX-DV

Door Station Security Lock Boxes

Security Lock Boxes for video door stations



LB-XDVF
Security Lock Box for AX-DV and AX-DVF
(Lock not included)



SBX-LSE
Security Lock Box for JF-DV, JF-DVF, JK-DV, and JK-DVF
(Lock not included)



SBX-LSP
Security Lock Box for AX-DVF-P, JF-DVF-HID, JF-DVF-HID-I, and JK-DVF-HID
(Lock not included)

Features

- Lockable enclosure gives added protection to video door stations after business hours
- Includes a mounting plate for surface mount models
- Able to secure in open position with included "L" bracket

Specifications

Material 18AWG stainless steel
Color Polished stainless steel
Mounting 1-gang box or mount directly to wall surface
Dimensions

LB-XDVF (Closed): 13-3/8"H x 6-3/8"W x 1-9/16"D

LB-XDVF (Open): 24-5/8"H x 6-3/8"W x 1-9/16"D

SBX-LSE (Closed): 11-1/4"H x 5-7/8"W x 1-9/16"D

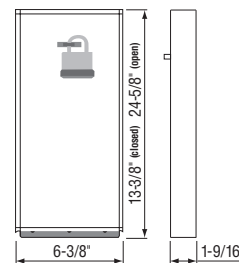
SBX-LSE (Open): 20-3/8"H x 5-7/8"W x 1-9/16"D

SBX-LSP (Closed): 13-7/8"H x 6-3/16"W x 15/16"D

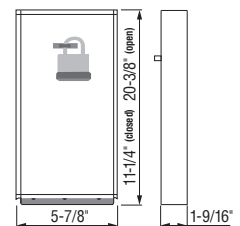
SBX-LSP (Open): 25-3/4"H x 6-3/16"W x 13/16"D

Interior Depth **SBX-LSE:** 1-1/2"
SBX-LSP: 3/4"

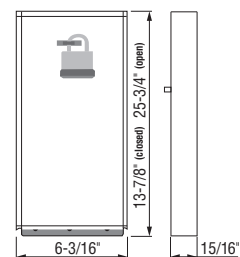
LB-XDVF



SBX-LSE



SBX-LSP



Used for:

LB-XDVF – AX-DV and AX-DVF
SBX-LSE – JF-DV, JF-DVF, JK-DV, and JK-DVF
SBX-LSP – AX-DVF-P, JF-DVF-HID, JF-DVF-HID-I and JK-DVF-HID

Door Station Decorative Faceplates

Decorative Faceplates



ICP-BR
Brass
Faceplate

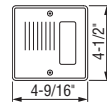


ICP-AB
Antique
Brass
Faceplate

Features

- Stainless steel brass plated (ICP-BR) or antique brass plated (ICP-AB)
- Replaces stainless steel cover on IE-JA, LE-DA and NE-JA

ICP-BR, ICP-AB



Used for:

IE-JA, LE-DA, and NE-JA

Call Extension

Call Extension Speakers



IER-2
Call Extension
Speaker

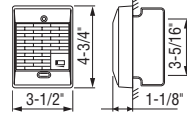


DAR-1
Call Extension
Sounder

Features

- Announces chime tone only
- Adjustable volume (3 positions)
- Indoor mounting

IER-2, DAR-1



Used for:

IER-2 – DB Series, JA Series, JF Series, JK Series, KB Series, KC Series, and NEM Series
DAR-1 – DA-1MD

Specifications

Wiring Single pair of wires, non-polarized
Dimensions 4-3/4"H x 3-1/2"W x 1-1/8"D

Door Release Components

Electric Door Strike



EL-12S
Electric Door Strike,
12V AC/DC, 200mA
(Requires PT-1210N*)



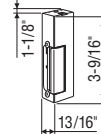
PT-1210N
AC Transformer,
12V AC

*PT-1210N not required with DA & DB Series

Features

- Door release activation, momentary or talk line-controlled
- Controlled by N/O contact or voltage output

EL-12S



Used for:

AX Series, C-123L/A, C-123LW, DA-1DS, DA-2DS/4DS, IE-8MD, IS Series, JA Series, JF Series, JK Series, KB Series, KC Series, LEF Audio, LEM-1DL, and LEM-1DLC

Specifications

Power Source 12V AC/DC, 200mA - Use PT-1210N

Door Release Relay

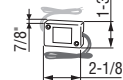


RY-PA
Door Release Relay

Features

- Door release activation
- N/O contact output

RY-PA



Used for:

LEF Series

Specifications

Power Source 12V DC
Relay Contact Rating 24V DC, 1A

Door Release Adaptor

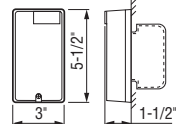


RY-3DL
Selective Door
Release Adaptor

Features

- Selective door release with one button
- Door release contacts release the door where communication is established
- Normally open (N/O) contacts for electric strike
- Normally closed (N/C) contacts for magnetic locks

RY-3DL



Specifications

Power Source 12-24V DC, 30mA, 12-16V AC, 60mA - Use PS-2420UL or PS-1820UL
Relay Contact Rating **N/O or N/C output:** 1A @ 50V AC, 1A @ 30V DC (for other types use matching relay)
Distance **Master to RY-3DL:** 165'(22AWG) 330'(18AWG)

Used for:

JA Series, JF Series, and KB Series

Door Release Components (continued)

Form C Door Release Relays



RY-18L
Form C Door
Release Relay



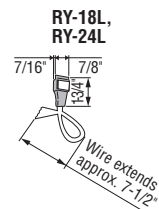
RY-24L
Form C Door
Release Relay

Features

- Normally open (N/O) contact with high current rating for door strikes
- Normally closed (N/C) contact with high current for magnetic locks
- Use RY-18L in place of RY-PA if N/C contact is required

Specifications

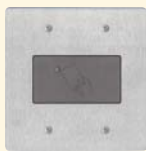
| | |
|-------------------|-------------------------------------------------------------------------------------------------------------|
| Power Source | Supplied by master station |
| Terminations | Color-coded pre-wired pigtails |
| Relay Input | RY-18L: 12~18V DC, red and gray wires, 22AWG RY-24L: 24~36V DC, red and black wires, 22AWG |
| Relay Output | Brown, orange and yellow wires, 18AWG |
| N/O Output Rating | RY-18L: 5A @ 30V DC, 10A @ 125V AC, 3A @ 250V AC RY-24L: 5A @ 30V DC or 125V AC |
| N/C Output Rating | 3A @ 30V DC or 125V AC |
| Wiring | 2-cond. to door release, 2-cond. to strike with power for strike wired in series |
| Dimensions | 1-3/4"H x 7/8"W x 7/16"D with wires extending approx. 7-1/2" |



Used for:
RY-18L – JF Series, JK Series, LEM Series, and LEF Series
RY-24L – AX Series, JA Series, KB Series, and KC Series

Access Control Devices

HID® Proximity Card Reader



HID-SS
Accessory Station with an embedded HID® Proximity Card Reader

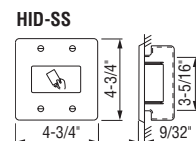
Features

- 2-gang stainless steel unit containing an HID® ProxPoint® Plus Card Reader
- Installs next to any one of Aiphone's 2-gang stainless steel door stations, creating a unified look
- Horizontal (SBX-2BH) and vertical (SBX-2BV) boxes are available for mounting the HID-SS with a 2-gang stainless steel door station
- Provides electronic access to a building through the standard Access Control system (not supplied by Aiphone)

Specifications

| | |
|--------------|-------------------------------|
| Power Source | 5~16V DC |
| Terminations | Pigtail cable, 18" (45cm) |
| Requirements | 20mA avg., 75mA peak @ 12V DC |

NOTE: HID® stations require a 3rd party host



Used for:
IE-JA, IE-SS/A, IE-SSR, IE-SSV, LE-DA, LE-SS/A, LE-SSR, LE-SSV, NE-JA, NE-SS/A, and NE-SSR

Access Control Keypads



AC-10S
Access Control Keypad, zinc die cast to match JF-DV and JK-DV, surface mount



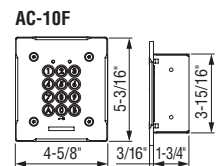
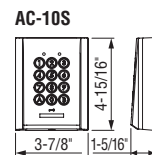
AC-10F
Access Control Keypad, stainless steel, flush mount

Features

- Access control with up to 100 unique user codes
- Can be used as a stand-alone access control device
- Compact size in a stylized design
- 12-digit backlit keypad
- Matches JF-DV and JK-DV (AC-10S)
- Easy to install

Specifications

| | |
|---------------|-----------------------------------------------------------------------------------------------|
| Power Source | 12~24V AC/DC |
| Output Rating | 2 relays, N/O and N/C 3A (resistive), 1A (inductive) @ 24V |
| Dimensions | AC-10S: 4-15/16"H x 3-7/8"W x 1-5/16"D AC-10F: 3-15/16"H x 3-1/3"W x 1-3/4"D |



Used for:
JF Series and JK Series or as a stand-alone unit

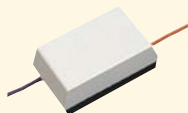
External Relays

External Signaling Relays

for audio and video systems



RY-AC/A
External
Signaling Relay



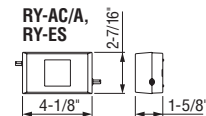
RY-ES
External
Signaling Relay

Features (RY-AC/A)

- RY-AC/A allows external device to be triggered when intercom is called
- External device will be activated momentarily as long as the call button on the door station is activated
- DAK-2S required when used with C-123LA/LW and LEM/LEM-1DL

Specifications (RY-AC/A)

Power Source 12V DC
Relay Contact Rating 240V AC, 0.3A
24V DC, 1A (bell, buzzer, chime, etc. must be AC operated or DC mechanical type only)



Features (RY-ES)

- RY-ES allows external device to be triggered when intercom is called
- External device will be activated when the door station calls in

Specifications (RY-ES)

Power Source 12-24V DC, 12-16V AC
Relay Contact Rating 125V AC, 1.0A
30V DC, 1.0A

Used for:

RY-AC/A – C-123L/A, C-123LW, IE-8, LEF, LEM, LEM-1DL, and TD-H/B Series
RY-ES – AX Series, JK Series, JF Series, JA Series, KB Series, KC Series, NEM Series, DB Series, and IE-8 Series

Long Distance Adaptors

Long Distance Adaptors

for color video door stations



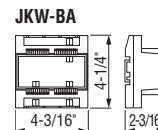
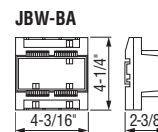
JBW-BA
Long Distance
Door Station
Adaptor



JKW-BA
Long Distance
Door Station
Adaptor

Features

- Extends wiring distance to video monitors up to 980' max (820' max. when used with JF Series)
- JBW-BA functions with JA, JF, and KC video door stations and JKW-BA functions with JK video door stations
- Requires low capacitance Aiphone cable #851602 or #851602DB



Specifications

Power Source **JBW-BA:** 18-24V DC
JKW-BA: 18V DC
Capacity One adaptor unit for each video door station located beyond the standard specified wire distance
Mounting DIN rail (included)
Dimensions 4-1/4"H x 4-3/16"W x 2-3/8"D (JBW-BA)
2-3/16"D (JKW-BA)
Distance **JBW-BA:**
820' (JF Series),
980' (JA & KC Series)
JKW-BA to Door:
650' (JK Series)
JKW-BA to last monitor:
330' (JK Series)
Wire Type Aiphone #851602 or #851602DB (direct burial)

Used for:

JBW-BA – JA Series, JF Series, and KC Series
JKW-BA – JK Series

Transmission and Reception Interface Units

Transmission & Reception Interface Units for AX Series



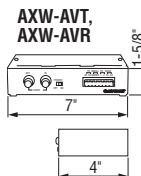
AXW-AVT
Door Station
Fiber Optic
Transmission
Interface Unit



AXW-AVR
Door Station
Fiber Optic
Reception
Interface Unit

Features

- Interfaces AX video door station with 3rd party alternate transmission methods for longer distances
- Fiber optic



NOTE: For a list of approved devices visit our website at www.aiphone.com/products/alpha-list/detail/ax to download the AXW-AVT(R) Instructions or contact Aiphone Technical Support at (800) 692-0200/tech@aiphone.com

Specifications

| | |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | AXW-AVT: 24V DC, 500mA - Use Aiphone PS-2420UL AXW-AVR: Supplied by AX CEU |
| Video In & Out | Composite 1V Peak-to-Peak, NTSC |
| Video Connectors | BNC |
| Relay | N/O contact output, 30V DC, 1A |
| Sensor | N/C contact input |
| Dimensions: | AXW-AVT, AXW-AVR: 1-5/8"H x 7"W x 4"D |
| Distance | AXW-AVT to Door, AXW-AVR to CEU: Max. 980' (cumulative) using CAT-5e AXW-AVT and AXW-AVR to 3rd party devices: Do not exceed 16' |
| Wire Type | CAT-5e, 24AWG UTP-4 |

Used for:
AX Series

Video Input Modulators

CCTV Input Module for AX, JA, and JF Series



AXW-AZ
CCTV Input
Module



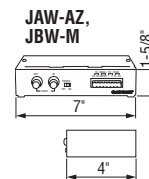
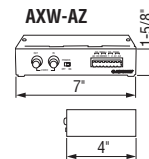
JAW-AZ
CCTV Input
Module



JBW-M
CCTV Input
Module

Features

- Allows CCTV camera to be viewed on Aiphone monitor
- Standard motion detector used to auto-activate camera
- Audio door station can be used for communication to camera location
- Relay output to trigger external device when CCTV camera is activated
- Video output for connection to standard CCTV monitor or recorder for full time video signal
- Sensor input to trigger CCTV automatically
- Video output allows constant viewing of CCTV Camera



Specifications

| | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | JAW-AZ & JBW-M: Supplied by master station AXW-AZ: Supplied by CEU |
| Video In/Out | 75Ω composite video, 1V p-p |
| Video Connector | BNC |
| Video Monitoring | 30 sec., controlled by master |
| Camera Activation | N/C sensor input, or by master |
| Dimensions | 1-5/8"H x 7"W x 4"D |
| Distance | JAW-AZ/JBW-M to JA/JF Series master: 165' (22AWG) 330' (18AWG) AXW-AZ to AX Series CEU: 980' (CAT-5e) JA/JF Series: Aiphone #871802 AX Series: CAT-5e |
| Wire Type | |

Used for:
AXW-AZ – AX Series
JAW-AZ – JA-2MCD and JA-2MECD
JBW-M – JF Series

Video Input Modulators (continued)

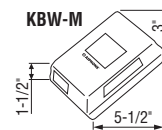
CCTV Input Module for KB Series



KBW-M
CCTV Input
Module

Features

- Allows CCTV camera to be viewed on Aiphone monitor
- Can be installed up to 650' away from KB-3MRD and wired with Aiphone #871802 (2-cond. low cap wire)
- Motion detector with normally open (N/O) contact used to auto-activate the camera
- Small, easily installed and concealed
- BNC connector for CCTV camera



Specifications

| | |
|-------------------|--------------------------------|
| Power Source | Supplied by KB-3MRD |
| Video Input | 75Ω composite video, 1V p-p |
| Video Connector | BNC |
| Video Monitoring | 30 sec., controlled by KB-3MRD |
| Camera Activation | N/O sensor input, or by master |
| Dimensions | 5-1/2"H x 3"W x 1-1/2"D |
| Wire Type | Aiphone #871802 |

Used for:
KB-3MRD

Demodulator

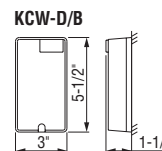
CCTV Demodulator for Aiphone's Video Series



KCW-D/B
Video output
converter to
CCTV/DVR

Features

- Composite (1V peak-to-peak) video signal compatible with CCTV monitor or RF modulator to tie into cable distribution system
- Use to record video from entry system for security purposes
- Video out for the KC and GT Series
- Video signal present when Aiphone monitor is on
- Compact design, easy to install



Specifications

| | |
|------------------|--------------------------------------------|
| Power Source | Supplied by master station |
| Video Input | 2-cond. for video and 2-cond. for power |
| Video Output | 75Ω composite video, 1V p-p |
| Video Monitoring | 30 sec., controlled by master |
| Activation | Activated when video is present on monitor |
| Dimensions | 5-1/2"H x 3"W x 1-1/2"D |
| Distance | Master to KCW-D/B: 30'(18AWG) |
| Wire Type | Aiphone #871802 |

Used for:
KC Series and GT Series

Adaptors

Dual Master Call Adaptor



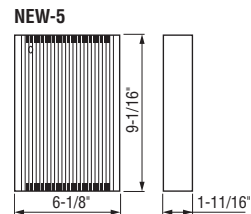
NEW-5
Dual Master
Call Adaptor

Features

- Parallel-call adaptor for use with Aiphone's NEM system
- Calls from sub stations (max. 5) connected to NEW-5 signal two master stations simultaneously
- One adaptor per 5 subs in a system

Specifications

| | |
|--------------|---------------------------------------------------------------------------------------------|
| Power Source | 12V DC - Use PS-1225UL |
| Talk Channel | Separate communication channel for each master, but with the possibility of cross-talk |
| Wiring | 2 cond., shielded between NEW-5 and subs 10 cond., homerun from NEW-5 to each NEM master |
| Dimensions | 9-1/16"H x 6-1/8"W x 1-11/16"D |



Used for:
NEM Series

Background Music Adaptor



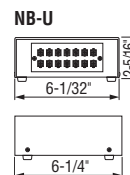
NB-U
Background
Music Adaptor

Features

- Background music interface for the NEM system (requires T3115BGM)
- Background music will automatically mute throughout the entire system during calling and communication
- Background music can not be switched off at sub station

Specifications

| | |
|--------------|-------------------------------|
| Power Source | Supplied by master station |
| Input | 10W @ 25V (PA Amp) |
| Dimensions | 2-5/16"H x 6-1/32"W x 6-1/4"D |



Used for:
NEM Series

Paging Accessories

Paging Adaptors

for AP-M, AX, LEF, LEM, MC, MP-S, and NEM Series



AXW-PA1
Paging
Adaptor



BA-1
Paging
Adaptor



BA-1P
Paging
Adaptor



MC-A/A
Zone Paging
Adaptor



PD-1
Zone Paging
Adaptor



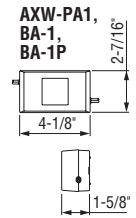
PD-2
Zone Paging/
Talkback Adaptor

Features (AXW-PA1, BA-1 and BA-1P)

- Page from an intercom master station out to a PA system to make announcements or to locate a person
- Takes the place of a separate microphone for paging where there is an intercom
- School uses: page hallways, playground areas, cafeteria, etc.
- Medical facilities and/or office uses: Page waiting areas, hallways, break rooms, etc.

Specifications (AXW-PA1, BA-1 and BA-1P)

| | |
|-------------------|-------------------------------------------------------------------------------|
| Power Source | Supplied by master station/CEU |
| Input | BA-1: 20Ω BA-1P: 8Ω AXW-PA1: Direct CEU connection |
| Output | BA-1 and BA-1P: 10KΩ AXW-PA1: 600Ω |
| Output to Adaptor | 0dB and -20dB, selectable |
| Requirements | AUX input (10KΩ) or 100mV for rated output |
| Dimensions | 2-7/16"H x 4-1/8"W x 1-5/8"D |
| Wiring | 2-cond. from master |
| Wire Type | Aiphone #822202 |



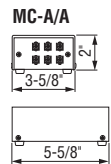
Used for:
AXW-PA1 – AX Series
BA-1 – LEF Series, LEM Series, and NEM Series
BA-1P – AP-M Series and MP-S Series

Features (MC-A/A)

- Separate music and paging controls: bass, treble and volume
- Paging pre-tone volume control
- Connects to standard paging amplifier
- Background music can be included and automatically mutes during page

Specifications (MC-A/A)

| | |
|--------------|--------------------------------|
| Power Source | 24V DC - PS-2420JL |
| Input | AUX 10KΩ, 0.3V~0.5V |
| Music Output | Range 100mV~1.2V, 10KΩ or less |
| Dimensions | 5-5/8"H x 3-5/8"W x 2"D |



Used for (MC-A/A):
MC-60/4A

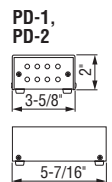
Paging Adaptors for TD-H Series

Features

- Provides paging from TD-H handsets to an overhead PA system
- Single or multi-zones, one station capacity per zone
- PAGE button located in TD-H handsets
- Music source connection, automatically mutes when paging

Specifications

| | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source | PD-1: 12V DC, 300mA PD-2: 12V DC, 48mA (talkback) Use PS-1225UL of TD-H system |
| Output | 5KΩ, 1.5V max. |
| Paging & Music Ctrls. | Treble 12dB at 10KHz, Bass 12dB at 100KHz |
| Amp. Input | AUX or PHONO 100K~500KΩ, 0.12V~0.5V |
| Music Input | 17KΩ, 0.3V, 1KHz for full output |
| Tuner Output | Audio output range: 100mV~1.2V, 10KΩ or less |
| Talkback Gain | 40dB, 1KHz at max. volume |
| Environmental Noise | Less than 80dB (phono) |
| Paging | PD-1: Select an assigned selector number and page by pushing PAGE button PD-2: Select an assigned selector number and page by pushing PAGE button and release to receive response |
| Dimensions | 2"H x 3-5/8"W x 5-7/16"D |
| Wiring | 3-cond. to TD-H/B via power supply |



Used for:
TD-H Series

Paging Accessories (continued)

Paging Amplifiers



T3115BGM
15W Paging Amplifier



T3130BGM
30W Paging Amplifier



DMA2060
60W Paging Amplifier



DMA2120
120W Paging Amplifier

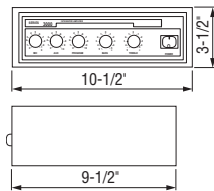
Features (T3115BGM and T3130BGM)

- 4 channel inputs, 2 zone outputs
- Wide frequency response - very low distortion
- Independent input controls (bass and treble)
- Direct muting or unmuting
- AC accessory outlet
- 8 Ω , 25V and 70V output impedance
- UL 6500 listed (US and Canada)

Specifications (T3115BGM and T3130BGM)

Power Source 120V AC, 60Hz
 Output **T3115BGM:** 15W RMS
T3130BGM: 30W RMS
 Input **Microphone:** 250 Ω balanced
Telephone: 600 Ω balanced,
Auxiliary: 47K Ω
Program: 10K Ω balanced
 Distortion Less than 0.5% THD
 Dimensions 3-1/2"H x 10-1/2"W x 9-1/2"D

T3115BGM, T3130BGM



Used for:

MC-60/4A, TD-H, and paging systems

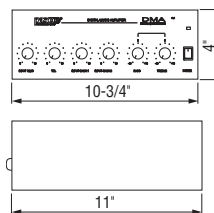
Features (DMA2060 and DMA2120)

- 4 channel inputs, 2 zone outputs
- High performance - high reliability design
- Wide frequency response - very low distortion
- Independent input controls (bass and treble)
- Direct muting or unmuting
- AC accessory outlet
- 8 Ω , 25V and 70V output impedance
- 24V DC, 250mA regulated power supply output
- UL 6500 listed (US and Canada)

Specifications (DMA2060 and DMA2120)

Power Source 120V AC, 60Hz
 Output **DMA2060:** 60W RMS
DMA2120: 120W RMS
 Input **Microphone:** 1.5M 250 Ω
Telephone: 100M 600 Ω balanced,
Auxiliary 1: 100M 47K Ω
Auxiliary 2: 100M 47K Ω
 Distortion Less than 0.01% THD at 1kHz rated output
 Dimensions 4"H x 10-3/4"W x 11"D

DMA2060, DMA2120



Used for:

MC-60/4A, TD-H, and paging systems

Speaker Stations

Indoor Ceiling Speaker Stations - flush mount

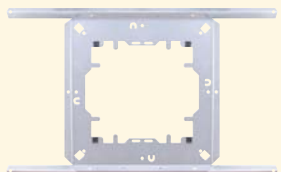


SP-20N
Ceiling Speaker,
20 Ω , 4W, flush
mount (Requires
NP-25V capacitor)

SP-2570N
Ceiling Speaker,
8 Ω , 25/70V, 4W,
flush mount



NP-25V
Non-polarized
capacitor, 33 μ F, 25V



SSB-2
Ceiling Support
Bracket for SP-20N
and SP-2570N

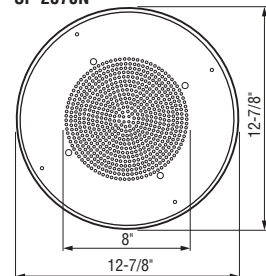
Features

- Ceiling flush mount
- 8" dual cone speaker with 12-7/8" white baffle
- Provides two-way communication (SP-20N only)
- Call button can be added to call master station (additional components required - SP-20N only)
- Excellent sound and voice reproduction
- Easy installation in a drop tile ceiling using the SSB-2

Specifications

Power Capacity 4 watts RMS
 Impedance **SP-20N:** 20 Ω direct
SP-2570N: 8 Ω direct or 25/70V transformer
 Frequency Response 65-17KHz
 Wattage taps **SP-2570N:**
 25V - 0.325, 0.625, 1.25, 2.5, and 5
 70V - 0.312, 0.625, 1.25, 2.5, and 5
 Dimensions 8" diameter speaker with a 12-7/8" diameter white baffle

SP-20N, SP-2570N



Used for:

SP-20N - LEF Series and LEM Series
SP-2570N - Any Aiphone intercom system with paging ability

Speaker Stations (continued)

Indoor Ceiling Sub Speaker Stations

– flush mount with surface mount options



AS-3N
Ceiling Sub
Speaker
Station



NB-L
Ceiling Sub
Speaker
Station



NBZ-M
Square Frame for
AS-3N and NB-L,
flush mount



N-EA
Round Frame for
AS-3N and NB-L,
surface mount

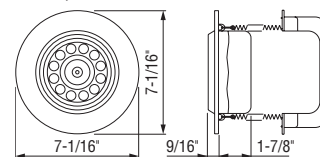
Features (AS-3N)

- Overhead hands free communication with master station
- Remote push button to call master station (optional)
- Call-in activates tone and light at master
- Call-in LED remains activated for 20 seconds after call button is released (MP-3S, AP-5M, and AP-10M only)
- Flush mounts in ceiling with provided equipment

Specifications (AS-3N)

| | |
|-------------|------------------------------------------------------|
| Call button | Optional NP-B (with NP-W surface box if required) |
| Mounting | Flush mount in ceiling |
| Dimensions | 7-1/16" x 1-7/8" (Diameter x Depth) |

AS-3N, NB-L



Features (NB-L)

- Overhead hands free communication with master station
- Remote push button to call master station (optional)
- Call-in activates tone and light at master
- Call tone and LED remain until call is answered
- Flush mounts in ceiling with provided equipment

Specifications (NB-L)

| | |
|-------------|--------------------------------------------------------|
| Call button | Optional NAR-6A (with NP-W surface box if required) |
| Mounting | Flush mount in ceiling |
| Dimensions | 7-1/16" x 1-7/8" (Diameter x Depth) |

Used for:

AS-3N – MP-S Series
and AP-M Series
NB-L – NEM Series

Indoor & Outdoor Horn Speaker Stations

– surface mount



AH-108
Horn Speaker,
8Ω, 10W



AH-16TN
Horn Speaker,
8Ω, 25/70V, 16W

AH-32TN
Horn Speaker,
25/70V, 32W

Features (AH-108)

- All metal weather proof construction for indoor or outdoor use
- Universal swivel mount base
- Beige baked enamel finish
- 8Ω, 10W horn speaker with built-in, non-polarized capacitor

Features (AH-16TN)

- Built-in 25/70V transformer provides 1, 2, 4, 8 and 16 watt taps, plus 8Ω direct
- High intelligibility, used for paging into large or high noise areas
- All metal weather proof construction for indoor or outdoor use
- Screwdriver selectable wattage taps
- Universal swivel mount base
- Beige baked enamel finish

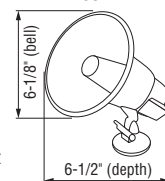
Features (AH-32TN)

- Built-in 25/70V transformer which provides 2, 4, 8, 16 and 32 watt taps
- High intelligibility, used for paging into large or high noise areas
- All metal weather proof construction for indoor or outdoor use
- Screwdriver selectable wattage taps
- Universal swivel mount base
- Beige baked enamel finish

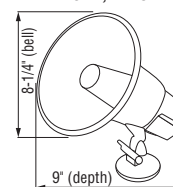
Specifications

| | |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Capacity | 10/16/32 watts (continuous) |
| Impedance | Varies by model |
| Frequency Response | 350-15,000KHz |
| Wattage Taps | AH-16TN: 8Ω direct or 25V - 0.5, 1, 2, 4 and 8 70V - 1, 2, 4, 8 and 16 AH-32TN: 25V - 1, 2, 4, 8 and 16 70V - 2, 4, 8, 16 and 32 |
| Dispersion Angle | Varies by model |
| Sound Pressure | AH-108: 110dB at rated output measured on a 4' axis AH-16TN: 119dB at rated output measured on a 4' axis AH-32TN: 124dB at rated output measured on a 4' axis |
| Sensitivity (Mic.) | -28dBm (Re: 10 dynes/cm²) |
| Dimensions | AH-108: 6-1/8" bell x 6-1/2" deep AH-16TN & AH-32TN: 8-1/8" bell x 9" deep |

AH-108



AH-16TN, AH-32TN



Used for (AH-108):

Mid-power (MP-S) system for two-way communication, can also be used with LEF and NEM systems with LT-1 (NEM requires additional equipment)

Used for (AH-16TN):

High-power (AP-M) system, set on 8Ω tap for two-way communication (add NP-25V capacitor or NP-B call button when using with MP-S or AP-M systems) and Aiphone systems with a 70V paging ability

Used for (AH-32TN):

Aiphone systems with a 70V paging ability

UL Listed Class 2 Power Supplies and Transformers

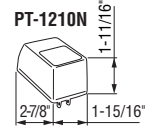
AC Transformer – 12V AC



PT-1210N
AC Transformer,
12V AC

Specifications

Model PT-1210N
Input Voltage 120V AC, 60Hz
Output Voltage 12V AC, 10VA, 830mA



Used for:
CCS-1A, EL-12S,
IE-8MD, and LEM-1DL

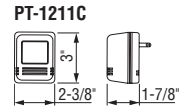
AC Transformer – 15V AC



PT-1211C
AC Transformer,
15V AC

Specifications

Model PT-1211C
Input Voltage 120V AC, 60Hz
Output Voltage 15V AC



Used for:
DA-1DS, DA-4DS,
DB-1MD, DB-1SD,
and IPW-1A

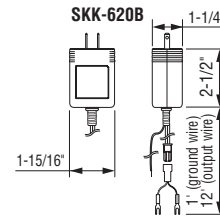
Power Supply – 6V DC



SKK-620B
Power Supply,
6V DC

Specifications

Model SKK-620B
Cord Length 12"
Ground Wire Length 11"
Input Voltage 120V AC, 60Hz
Output Voltage 6V DC, 200mA



Used for:
AT-406, C-123L/A,
C-123LW, LEM,
and TAR-3

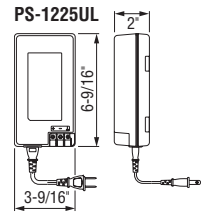
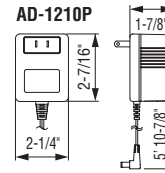
Power Supplies – 12V DC



PS-1225UL
Power Supply,
12V DC, 2.5A

Specifications (PS-1225UL)

Model PS-1225UL
Cord Length 6'-2"
Input Voltage 100-240V AC,
50/60Hz,
37W, 65-82VA
Output Voltage 12V DC, 2.5A



Used for:
LEF, LEF-C, MP-S,
TB-AD10, TD-H/B,
and NEW-5

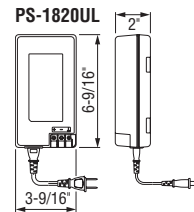
Power Supply – 18V DC



PS-1820UL
Power Supply,
18V DC, 2A

Specifications

Model PS-1820UL
Cord Length 6'-2"
Input Voltage 100-240V AC,
50/60Hz,
45W, 75-95VA
Output Voltage 18V DC, 2A



Used for:
JF Series and JK Series

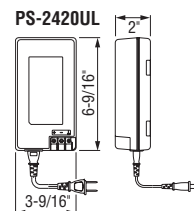
Power Supply – 24V DC



PS-2420UL
Power Supply,
24V DC, 2A

Specifications

Model PS-2420UL
Cord Length 6'-2"
Input Voltage 100-240V AC,
50/60Hz, 60W,
100-125VA
Output Voltage 24V DC, 2A



Used for:
AX Series, GT Series,
IM Series, JA Series,
KB Series, KC Series,
MC-60/4A Series,
NEM Series, and
NHX Series

Surge Arrestor

Surge Arrestor

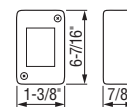


SA-1
Surge
Arrestor

Features

- A surge arrestor designed to protect Aiphone intercom systems from damage due to power surges and lightning strikes
- Can be used to protect power inputs to all Aiphone DC powered systems and intercom circuits by dispersing surges on the station wires
- Each SA-1 will protect two intercom station wires and discharge up to 180V of surge voltage

SA-1



Used for:

AP-M, C-123L/A, CCS-1A, GT Series, IE Series, KB Series, KC Series, LEF, LEM, MC-60/4A, MP-S, NEM, and Power Supplies

Miscellaneous Accessories

All Call, Music, & Chime Adaptor

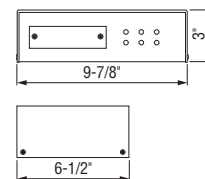


BG-10C
All Call, Music,
and Chime Adaptor
(1 BG-10C is required
for every 11 stations)

Features

- Music ON/OFF switch plus music and chime selector switch for each station
- Chime volume control plus music, bass and treble controls
- All Call pre-tone volume and speech volume controls
- Terminals for power supply, music and door station connection and LEF-C network (All Call and music receiving)
- Provides All Call and door chime for LEF-C and LEF-10S systems
- Background music input

BG-10C



Specifications

| | |
|-------------------|------------------------------------------------------------------------------------|
| Power Source | 12V DC, 2.5A (music max. output), 1.5A (All Call, music and chime), 0.1A (standby) |
| All Call Transmit | From LEF-1C, LEF-3C, LEF-5C, LEF-10C, and LEF-10S |
| All Call Receive | All LEF master stations plus LE-C and LE-CN |
| BGM Input | AUX R, E and AUX L, E |
| Controls | Music ON/OFF, 11 selector switches of music and chime (chime only or off) |
| Wiring | BG-10C to LEF-10C: 19 wires max. To each LE-D or LE-DA: 3 wires |
| Wire Type | Aiphone #822220 |

Used for:

LEF Series

Motion Detector Adaptor for video door stations



MKW-DK/A
Motion Detector
Adaptor for video
door station(s)

Features

- For enhanced security with Aiphone video entry systems, a standard motion detector (with N/O contacts) can be used to activate the camera automatically
- The MKW-DK/A can be used with JA, JF, and KC Series
- Connects to motion detector or remote activation device
- Small enough to be concealed behind the video door station (with the KB system use the KB-DAR-M)
- Only wiring needed is from the motion detector to the camera location

Used for:

JA, JF, and KC Series

Auxiliary Control Relays



MAW-B
Auxiliary Light
Control Relay



TAR-3
External
Signaling Relay
(Requires SKK-620B)

Features (MAW-B)

- Used for turning on an auxiliary light to spotlight a caller at the entrance
- Light is illuminated when the door call button is pushed and during visual monitoring mode

Specifications (MAW-B)

| | |
|----------------|-----------------------------------------------------------------------------------|
| Power Source | 24V DC - Use PS-2420UL of system |
| Contact Rating | Dry closure contact for incandescent light for general lighting of less than 100W |

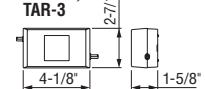
Features (TAR-3)

- Allows integration of a doorbell to intercom
- Device will be activated as long as chime is ringing

Specifications (TAR-3)

| | |
|----------------------|------------------------------------------------------------------------------------------------------|
| Power Source | 6V DC - Use SKK-620B |
| Relay Contact Rating | 240V AC, 0.3A, 24V DC, 1A (bell, buzzer, chime, etc. must be AC operated or DC mechanical type only) |

MAW-B, TAR-3



Used for:

MAW-B – KB-3MRD
TAR-3 – AT-406



SKK-620B
Power Supply,
6V DC

Miscellaneous Accessories (continued)

Desk Stand

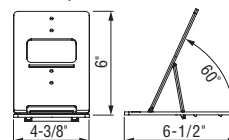


MCW-S/A
Monitor Desk
Stand

Features

- Allows desk mounting of monitor and/or handset
- Monitor / handset is propped up for easier viewing
- Pre-drilled mounting holes (hardware not included)
- Made of ABS plastic
- Adjustable to 45° or 60° angles

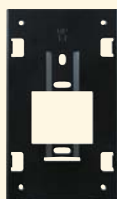
MCW-S/A



Used for:

AX-8M, AX-8MV, AX-8MV-W, DB-1MD, DB-1SD, GH-1KD, JA-2MCD, JA-2MECD, JF-2MED, JF-2HD, JK-1MD, JK-1HD, JK-1MED, KB-3MRD, KB-3HRD, KC-1GRD, KC-1HRD, and KC-1MRD

Mounting Plate

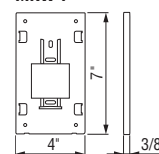


MKW-P
1-Gang Mounting
Plate for JF-DV
and JK-DV

Features

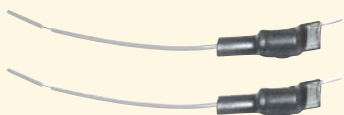
- Hardware included
- Adapts the JF-DV and JK-DV surface mount door stations to a standard 1-gang box or ring

MKW-P



Used for: JF-DV and JK-DV

Dual Master Adaptor Kit



DAK-2S
Dual Master
Adaptor Kit

Features

- Allows second master station to be used in C-123L/A, LEM and MP-S systems
- Allows RY-AC/A to be used for external signaling in C-123L/A, LEM and MP-S systems
- Two component modules per kit
- Included with the C-123LW and C-ML/A

Used for:

C-ML/A, LEM-1DL, MP-1S, and MP-3S

Gooseneck Microphone & Acoustic Tube



IME-100
Gooseneck
Microphone



IAX-100
Acoustic Tube
Extension, 33"

Specifications (IME-100)

Microphone Condenser microphone, omnidirectional

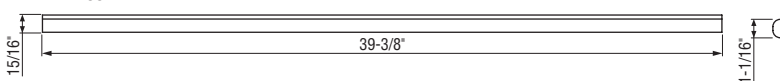
Input Sensitivity -46dB

Weight Approx. 190g (0.42lbs.)

IME-100



IAX-100



Specifications (IAX-100)

Housing Aluminum

Weight Approx. 650g (1.43lbs.)

Used for:

IM Series

Optional Microphone & Sensor



ISE-100
Proximity
Sensor



IME-150
Optional
Microphone

Specifications (IME-150)

Microphone Condenser microphone, omnidirectional

Housing Aluminum

Weight Approx. 150g (0.31lbs.)

Wire Aiphone #821802

Specifications (ISE-100)

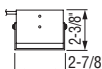
Power Source 24V DC - supplied by IMU-100

Housing Aluminum

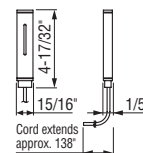
Weight Approx. 120g (0.26lbs.)

Wire Aiphone #821802

ISE-100



IME-150



Used for:

IM Series

10/100Base-T: Most commonly used for Ethernet and Fast Ethernet standards with cables based on two twisted wire pairs. The number “10/100” indicates the carrying capacity of 10/100 Mbit/sec.

All Call: On systems with this feature, All Call allows a one-way announcement to some or all inside stations on the system.

Back Box: An enclosure recessed into a wall, into which a flush mount unit is installed.

CAT-5e cable: The cable used for AX and IS structured wire systems. Also used for IS, JKW-IP, and IPW-1A network-based intercom systems.

CCD: Charged Coupled Device.

Chime Extension: Hearing the chime at a remote location when a person calls from a door station.

Composite Video Output: Standard 75Ω, 1V peak-to-peak video signal. Compatible with CCTV systems.

Daisy-chained Wiring: The wiring method where the wire path is in and out of each station from the first to the last location. Many Aiphone systems are designed to be wired in a daisy-chained fashion, unless otherwise specified.

Door Release: Activating an electric door strike or a magnetic lock from the inside intercom system.

Dry Contact Closure: A closure where no voltage is present. Commonly used for door release contacts, either directly out of a unit or the relay being used for interface between the intercom and door strike.

Ethernet: De-facto standard for local networks, developed by Xerox and advanced together by Xerox, Intel and DEC. Ethernet uses a bandwidth of 10 Mbit/sec. and can be used in multiple access with conflict detecting.

External Signaling: Activating a supplemental sounding device tied in with an intercom system for remote or louder indication of a call being received.

Flush Mount: A unit installed into a wall, where the majority of the unit is recessed into the wall.

Hands-Free Reply: Respond without touching the intercom station when called by a master station.

Instant-On: When a call is placed from a door station, the inside stations will automatically turn on and allow both audio and video monitoring.

IP (Internet Protocol): Network layer protocol used on the Internet and other computer networks. Provides transmission packets without the organization of connections and delivery guarantees.

IP Intercom: An intercom which uses a TCP/IP network to transmit data, voice, and sometimes video between two or more locations.

LAN/WAN: Local Area Network / Wide Area Network. A local area network (LAN) supplies networking capability to a group of computers in close proximity to each other such as in an office building, a school, or a home. A WAN spans a large geographic area, such as a state, province or country.

Master-to-Master Communication:

When one master station calls another and responding station speaks hands-free.

Normally Closed Contact: A contact for door release that is in the closed position when not activated, and opens when the door release button is pushed. This type of contact is typically required to activate a magnetic lock device.

Normally Open Contact: A contact for door release that is in the open position when not activated, and closes when the door release button is pushed. This type of contact is typically required to activate an electric door strike.

Open Voice Communication: Speaker type communication without having to pick up a handset.

PanTilt & Zoom (PTZ): A wide angle camera with a viewing range of 170° that can zoom in and out, pan left and right, and tilt up and down.

Power-Over-Ethernet: Power over Ethernet or PoE technology describes any system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. This technology is useful for powering IP telephones, wireless LAN access points, webcams, Ethernet hubs, computers, and other appliances where it would be inconvenient or infeasible to supply power separately.

Privacy: With the privacy feature engaged, the station's speaker remains active for incoming calls, but the transmission back to the calling station is muted until disengaged. Privacy is used to prevent eavesdropping.

Remote Control: Remote activation or deactivation of devices from an intercom station. Lights can be turned on, alarm contacts disarmed, surveillance cameras activated, video monitors turned on, and door releases activated.

Selective Calling: To call a specific station in the system by using a speed dial button, selector button, or scrolling through a list on a digital display. Responding party speaks hands-free unless privacy is engaged.

Semi-Flush Mount: A unit installed into a wall, where a portion of the unit is recessed into the wall and a portion is outside of the wall.

Structured Wire: Uses homerun CAT-5e cabling to connect sub and master stations to a central control unit. Structured wire systems do not usually connect to an Ethernet, but may have components that connect for programming or for an IP intercom feature.

Surface Mount: A unit installed onto a wall surface, where the entire unit is outside of the wall.

Surface Mount Back Box: An enclosure surface mounted on a wall, into which a flush mount unit is installed.

Talkpath: Circuits on which communication takes place. The number of talkpaths is generally one unless otherwise specified.

TCP/IP: Transmission Control Protocol (TCP) and Internet Protocol (IP) are two distinct network protocols, technically speaking. TCP and IP are so commonly used together, however, that TCP/IP has become standard terminology to refer to either or both of the protocols.

TFT LCD: Thin Film Transistor Liquid Crystal Display. Used in Aiphone's color video monitors.

Vandal Resistant: A unit, made from steel or metal, with the ability to withstand harsher environments and rougher treatment than standard units.

VOX Communication: Communication over an intercom using a voice actuation circuit. This creates a hands-free 2-way communication system where each person talks without pushing buttons or using a handset.

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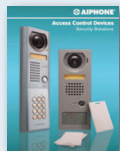


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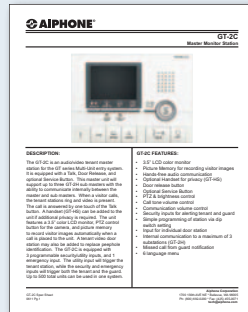
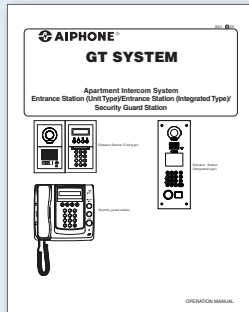


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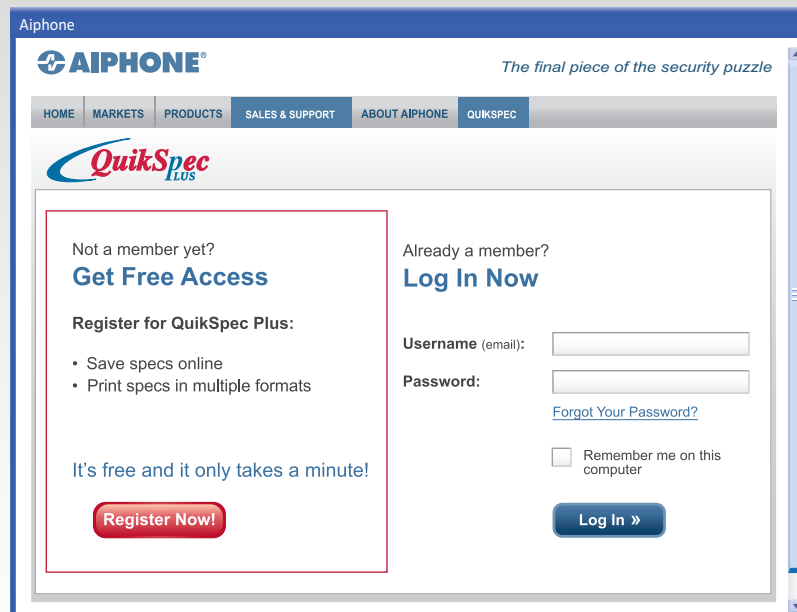
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