ELECTRONIC SECURITY PRODUCTS

Essential Products for:
Access Control
Barrier-Free Design
Interior Design
Asterix Security Hardware International, Inc. is known and trusted for both the quality of our products and the experience of our management.

We manufacture and market all components necessary for the design of comprehensive systems that provide both reliable security and sophisticated access control while meeting all building code requirements for fire and life safety.

Asterix security systems are based on our extensive line of electromagnetic locking devices.

These magnetic locks can secure doors with up to 1,200 lbs. of holding force per magnet. They can be used to lock a single door or will deliver flexible security for the complete building or installation when combined with our control panels, power supplies, power distribution units, switching devices and other specialized accessories.

Asterix security products are found on installations internationally. We are known for consistently superior customer service, the excellent quality of our products and for our unrivaled capability as custom layout designers.

We are dedicated to employing the latest advances in door control technology to meet the special requirements of leading facilities operators, architects and designers.

We remain actively engaged in a new product development program that couples internal research efforts with reciprocal trade arrangements between Asterix and other international firms.

Asterix offers the full range of products needed for the design of flexible, reliable electromagnetic lock-based security systems.
Asterix electromagnetic locking devices will secure a door with holding force of up to 1,200 lbs. They offer continuous monitoring capability for open/closed status or attempted unauthorized entry. The fail-safe magnets will securely lock fire exit doors, yet will depower when signaled to do so by an appropriate door control unit.

Asterix magnetic locks are available in different sizes, holding powers and configurations that permit them to be used in a wide range of standard and specialized door applications.

UL and ULC tested, the magnetic locks are listed as locking and egress devices. They have no pins, latches or moving parts whose failure might block safe egress in an emergency.

The magnets are minimal energy consumers with built-in surge and spike protection. They are designed for easy installation and maintenance. Their narrow and
low projection (2" deep x 1 3/4" wide) will accommodate most door and frame conditions without requiring a filler plate or a spread bracket.

Custom-length housings extend to the full width or height of the opening for applications where aesthetics are a concern, while glass door brackets allow the electromagnets to be used on glass doors.

The standard magnet finish is satin anodized aluminum. Other architectural finishes are also available upon request to the factory.

Each magnet comes complete with a door position switch. Additional optional equipment is available, including magnetic bond sensors, power LED and BDA (built-in-delay actuator) switches.

The 171 Series magnetic locks are the powerhouses of the Asterix line, and will secure doors with 1,200 lbs. (540 kg) of holding force. The 171 Series magnets operate with a .25 amp. at 24 vdc power input or .50 amp. at 12 vdc. Length is 14".

Variations on the 171 locks for special applications include the 171 HD and ZB171 HD Series, which are UL listed for use in Class 1, Division 2 hazardous locations; AB171 Series magnetic locks for sliding doors; and 172 VEH vertical door electromagnets.

For securing pairs of doors, Asterix offers 172 Series magnetic locks which feature twin 1,200 lb. magnets, each with its own armature (length 25"); and the 175 Series, a single 1,200 lb. magnetic lock with a double
armature that distributes the holding force evenly to each door.

The 173 Series and 176 Series magnetic locks are intended for applications in which security requirements are less acute or lock size is a significant factor.

The 173 Series, for example, is only 7-3/8" in length and provides 300 lbs. of holding power. A double magnet, the 1732, is also available which delivers 300 lbs. of holding force to each door of a pair of doors (length 11-3/4").

The 176 Series locks offer a mid-range option. The 176 Series lock is a single, 10-1/2" long magnet which secures the door with 600 lbs. of holding power. Its companion, the 1762 magnet, provides two 600 lb. magnets in a single housing for pairs of doors (length 18").

Asterix also offers the SL177 magnetic shear lock for use in installations in which the designer wishes the lock to be concealed for aesthetic reasons. For the perfect installation required for proper operation of the SL177, Asterix supplies an intelligent delay card with each SL177 shear lock assembly (not UL/ULC listed). A full range of mounting brackets and shims for pull-side mounting, as well as angle brackets and filler plates are available.
POWER SUPPLIES
Asterix power supply units provide reliable power for up to eight electromagnets. Two models are available: The PS12-2, a 12 vdc 2 amp. rated unit that will power up to four 171 Series magnets; and the PS24-2, a 24 vdc 2 amp. rated unit that will power up to eight 171 Series magnets. Both units feature fire alarm release, automatic/ manual fire reset and auxiliary power (battery backup).

POWER DISTRIBUTION/CONTROL UNIT
The Asterix PDCU 2020 power distribution/control unit is designed to distribute power to up to four separate 12 vdc magnets or up to eight 24 vdc magnets through one to four separate zones.

The PDCU 2020 will permit simultaneous performance of different functions in each zone or release of doors in all zones with a single command from the fire alarm system.

The 120 vac, input (other input voltage optional) output 12 vdc or 24 vdc, unit features a built-in contact for fire release, ground fault release, a selectable manual or automatic system reset contact and battery backup capability.

Each zone is controlled with a lock/unlock, delay trigger and delay reset switch. Release and delay indicators monitor zone status.

Each zone can be used with any one of the Asterix delay modules, DCM1-3, to fully customize access control requirements. Nuisance-delay card (three to five seconds) also available.

2500 REMOTE ANNUNCIATOR/CONTROL UNIT
The 2500 is a remote command center from which the access control system is monitored and controlled. Available in four-, eight- or 12-zone configurations, it is expandable in multiples of four zones.

The master module features an audio warning signal with silenced switch; master lock/unlock switch; and fire alarm and audio silenced indication LED’s.

Each zone has individual lock/unlocked and zone release switches, as well as a door open/secured LED.

The 2500 Remote Annunciator/Control unit can be wall- or desk-top mounted. Face plate and trim for the wall-mount unit are intended to accommodate a standard 19” rack mount.

Optional equipment for the panel includes panel bypass and system reset switches; desk-top housing; and back boxes for flush- or surface-mount units.

The Asterix power supply/control system can be interphased with any new or existing access control system (card readers, etc.) and/or used with a range of switching devices for a complete and flexible locking system.

DIGITAL KEYPADS
The Asterix 212 Series 16-user keypad limits access to persons with authorized entry codes. The self-contained, microprocessor-controlled keypad has a nonvolatile
memory that will be retained even in the event of a power failure.

The keypad will hold 16 different user codes ranging from one to six digits, and can be programmed to perform a variety of different functions. All programming is accomplished through the keypad without need for jumpers or programming wires.

Units can be interfaced with a printer for hardcopy printouts and can be used in a stand-alone configuration or in interface with any system. Asterix 212 keypads are available in a variety of options, including indoor, weather resistant, mullion mount and ruggedized.

MOTION DETECTOR

The VG087-C motion detector is a unidirectional microwave detector that adds an extra dimension of reliable traffic-monitoring capabilities to the access control system. Its highly sensitive K-band frequency can be field-adjusted for narrow or wide detection patterns, and for coverage of five position angles ranging from 20 degrees to 35 degrees.

 Constructed of vandal-resistant, weatherproof, high impact plastic, the detector weighs only 11 oz. It meets both ANSI requirements and FCC regulations, and is available in a choice of black, silver, bronze or a ready-to-paint surface.

KEY SWITCHES

Asterix offers a complete range of pushbutton switches, key switches and toggle switches to give designers maximum flexibility in specifying how they want to lock and unlock their access control systems.

All pushbutton switches are mounted on a single gang wall plate. Choose from illuminated, narrow profile or standard width, heavy duty and engraved plates.

A broad range of key switches, operated by standard 1-1/4” mortise cylinders and basic lock/unlock toggle switches is also available.

POWER TRANSFER CORDS

Asterix power transfer cords facilitate transmission of signals from the door through the frame and to the control unit. Options include a concealed four-wire surface-mount door cord with and without switches and a recessed four-wire door cord. The economically priced cords are used in lieu of electric transfer hinges.

EMERGENCY EXIT SIGNS

The Asterix line of sturdy mylar emergency exit signs are designed and worded to meet fire and building code requirements. English, French or French/English, glass door and vandal-resistant signs are available.

SWITCH EXIT DEVICES

Asterix markets a complete range of superior quality UL/ULC rated panic and fire exit devices.
Asterix 1003 Series electric strikes are the strongest and most versatile on the market today. Constructed entirely of stainless steel, the tamper-resistant strikes have a proven holding strength of greater than 2,000 lbs.

Electric strikes in the 1003 Series will accommodate almost every type of lockset and application. The strikes will contain, release and recapture a lockset with deadbolts up to a full 1” throw.

Asterix 1003 Series strikes are all non-handed and completely interchangeable with each other. They fit into ANSI 4-7/8” jamb preparations, though some will require modification. The 1003 Series is designed with an internally mounted solenoid for ease of installation in steel, aluminum and wood jambs on interior or exterior doors.

Asterix also offers 1004 Series electric strikes for use with surface-mounted latchbolts and deadbolts or alarm lock or detex-type exit devices.

Asterix electric strikes meet BHMA Standard 501, Grade 1. They are UL fire door listed (10B-three hour doors) and UL burglary-resistant (1034) listed.

Asterix offers a full range of optional features for electric strikes that permit the user to select a fail-safe operation mode, monitor the position of the latchbolt, the keeper and the deadbolt, or to regulate power for continuous duty 12v or 24v operation.

Strike/latch guards, door filler plates which can be used on double doors and trim adapter for extended lip installation are also available.

Asterix also offers the modular 7000 Series of electric strikes, which are field-interchangeable between fail secure and fail safe.

The 7000 Series is designed to accommodate latchbolts or rim-mounted panic exit devices (when used with optional face plate) up to a 3/4” throw. Tamper-resistant and non-handed, it is designed with an internally mounted solenoid for ease of installation in steel, aluminum and wood jambs on interior or exterior doors.

Asterix 1003, 1004 and 7000 Series electric strikes will accommodate the majority of cylindrical, mortise and other standard locksets as well as rim-mounted exit devices.

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