



LOGIC MODULE FAMILY COMPARISON



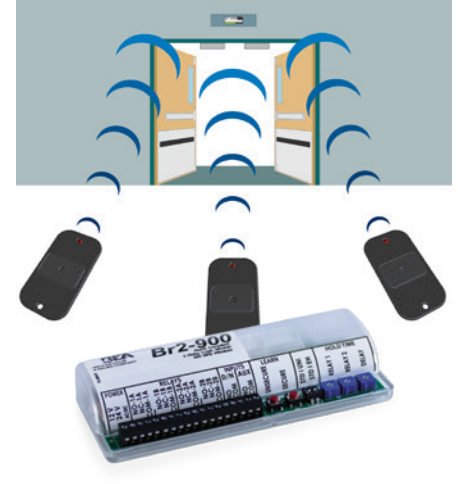
Br3

Programmable 3-relay
logic module



Br3-X

Programmable 3-relay
advanced logic module
& restroom controller



Br2-900

2-relay logic module
with built-in 900 MHz
wireless technology

▼ SOLUTION COMPARISON

	Br3	Br3-X	Br2-900
SPECIFICATIONS			
Supply Voltage	12 – 24 VAC / VDC ±10% ¹	12 – 24 VAC / VDC ±10% ¹	12 – 24 VAC / VDC ±10%
Current Consumption	30 – 130 mA ('DRY' Output) Selected	30 – 130 mA ('DRY' Output) Selected	45 mA DC / 75 mA AC
Temperature Range	–15 – 150 °F (–26 – 65 °C)	–15 – 150 °F (–26 – 65 °C)	–22 – 158 °F (–30 – 70 °C)
Inputs	Input 1: 'DRY' Contact Input 2: 'DRY' Contact Input 3: 'DRY' Contact Input 4: 'DRY' Contact 'WET' Input: 5 – 24 VAC / VDC ±10%	Input 1: 'DRY' Contact Input 2: 'DRY' Contact Input 3: 'DRY' Contact Input 4: 'DRY' Contact 'WET' Input: 5 – 24 VAC / VDC ±10%	Input 'DAY-NIGHT': 'DRY' Contact Input 'AUX': 'DRY' Contact [NO WET INPUT]
Outputs	Relay 1 'DRY': 3 A @ 24 VAC / 30 VDC Relay 1 'WET': 1 A Relay 2 'DRY': 3 A @ 24 VAC / 30 VDC Relay 3 'DRY': 1 A @ 24 VAC / 30 VDC	Relay 1 'DRY': 3 A @ 24 VAC / 30 VDC Relay 1 'WET': 1 A Relay 2 'DRY': 3 A @ 24 VAC / 30 VDC Relay 3 'DRY': 1 A @ 24 VAC / 30 VDC	Relay 1A / 1B: 2 A @ 24 VAC / 30 VDC Relay 2A / 2B: 2 A @ 24 VAC / 30 VDC [NO WET OUTPUT]
Dimensions	5.2 in (W) × 1 in (H) × 2.2 in (D) (133 mm (W) × 55 mm (D) × 25 mm (H))	5.2 in (W) × 1 in (H) × 2.2 in (D) (133 mm (W) × 55 mm (D) × 25 mm (H))	5.2 in (W) × 1 in (H) × 2.2 in (D) (133 mm (W) × 55 mm (D) × 25 mm (H))
Housing	Gray Translucent ABS	White Translucent ABS	Clear Translucent ABS
Certification	FCC, IC	FCC, IC	FCC, IC

1. If powered with AC voltage and is using 'WET' output to convert to DC, and the current draw of the device is greater than 0.9 amps the upper temperature range is 130 °F (54 °C).

▼ SOLUTION COMPARISON (CONT'D)

	Br3	Br3-X	Br2-900
FUNCTIONALITY			
Simple Timer	Function 10	Function 10	Use 1 relay
Ratchet/Latching	Function 11	Function 11	—
Inhibitor w/ Door Position Input	Function 21	Function 22	—
2 Relay Sequence Inhibitor w/ Door Position Input	Function 22	Function 22	—
2 Relay Sequence	Function 25	Function 28 / 29 / 36 / 37	Function 25
2 Relay Sequence w/ Door Position Input	Function 28	Function 28	—
Relay 1 Deactivation Timer	Function 29	Function 29	—
3 Relay Sequence	Function 35	Function 36 /37	—
Interlock Timer w/ Door Position Inputs	Function 50	Function 50	—
Interlock Ratchet w/ Door Position Inputs	Function 55	Function 55	—
2-Way, 2 Relay Sequence	Function 65	Function 65	—
2 Relay Sequence w/ Wet Input	Function 75	Function 28 / 29 / 36 / 37	—
3 Relay Sequence w/ 'One-Shot'	—	Function 36	—
3 Relay Sequence w/ Independence	—	Function 37	—
Restroom Functionality - Normally Locked	—	Function nL	—
Restroom Functionality - Normally Unlocked	—	Function nU	—
3 Relay Sequence w/ Day-Night Mode	—	Function dn	2 Relay Sequence w/ Day-Night Mode
WIRELESS			
Frequency	—	—	900 MHz (908 – 918 w/ Frequency Hopping)
Programmable units per receiver	—	—	75 (unlimited w/ Universal)
Transmitter Mode	—	—	Standard or Universal
Hold Functionality	—	—	Standard or Extended Hold
USER INTERFACE			
Display	Two (2) 7-Segment	Two (2) 7-Segment	One (1) Tri-Color Signal Strength LED One (1) Red Learn LED One (1) Blue Activation LED (R1) One (1) White Activation LED (R2)
Push Buttons	INCR PARAM	INCR PARAM	'SECURE' learn 'UNSECURE' learn
Jumpers	RELAY 1 = DC-AC (2), DRY-WET (2)	RELAY 1 = DC-AC (2), DRY-WET (2)	—
Dip Switches	—	—	STD / EH STD / UNI
Potentiometers	—	—	HOLD 1 HOLD 2 DELAY
Wiring	Terminal Block	Terminal Block	Terminal Block