

# BR3-X

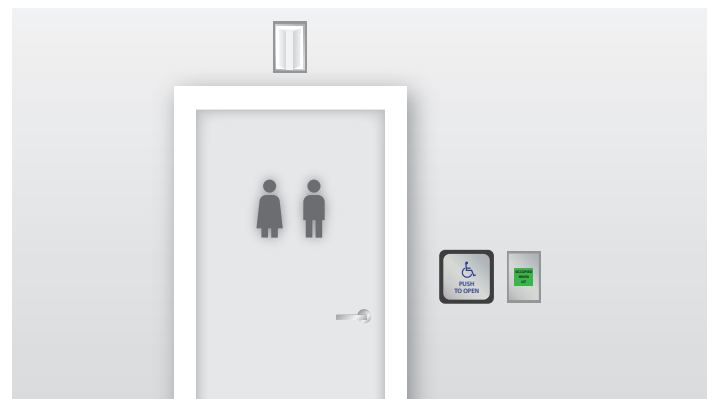
## PROGRAMMABLE 3-RELAY LOGIC MODULE



### PRIMARY APPLICATIONS



- 1 BR3-X Receives Input
- 2 BR3-X Relay 1 Releases Maglock
- 3 BR3-X Relay 2 Activates Door



### DESCRIPTION

BEA's BR3-X provides both simple and advanced logic controls.

Functions include: timer, ratchet/latching, inhibitor, 2 relay sequencer + inhibitor, 2 relay sequencer + door position deactivation timer, 3 relay sequencer + "1-shot", 3 relay sequencer with "independent relay", interlock timer, interlock ratchet / latching, 2 way 2 relay sequence, normally locked restroom, normally unlocked restroom, 3 relay sequencer + "day / night mode".

Common uses for the Br3-X include automatic pedestrian doors, access control, industrial automation and single-occupancy restrooms.

### FEATURES & BENEFITS

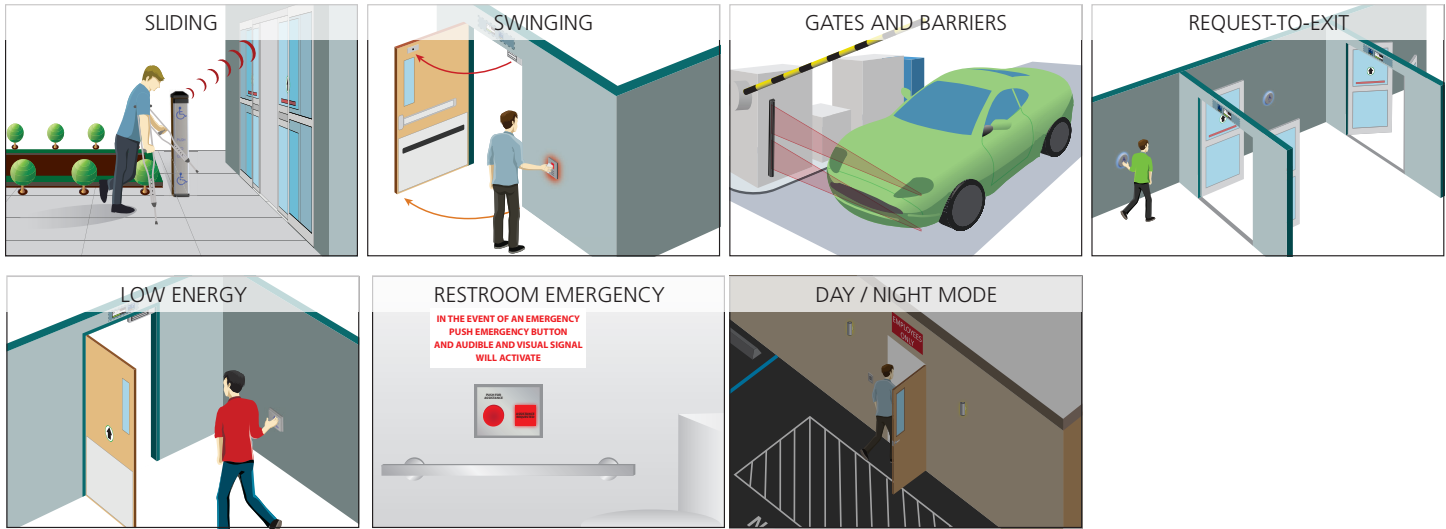
- Versatility with 13 programmable logic functions for the BR3-X
- Two-button programming combined with dual seven-segment display provides simple setup
- Two 3-AMP relays and one 1-AMP relay, all with built-in surge suppression, eliminates the need for external components when installing some electric locking devices
- WET output with AC / DC voltage for powering an electric locking device directly from the module



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## APPLICATIONS



## FUNCTION DETAILS

Br3-X FUNCTION	DESCRIPTION
10	Timer
11	Ratchet / Latching
22	2 Relay Sequence + Inhibitor
28	2 Relay Sequence + Door Position
29	Deactivation Timer
36	3-Relay Sequencer + '1-shot'
37	3-Relay Sequence with 'Independent Relay'
50	Interlock Timer
55	Interlock Ratchet / Latching
65	2-Way, 2 Relay Sequence
nL	Normally Locked Restroom
nU	Normally Unlocked Restroom
dn	3-Relay Sequencer + 'Day / Night mode'
00	Disable

## TECHNICAL SPECIFICATIONS

<b>Supply Voltage</b>	12 – 24 VAC / VDC $\pm 10\%$
<b>Power Consumption</b>	30 – 130 mA; DRY Output
<b>Temperature Range</b>	-15 °F – 150 °F* *If powered by AC voltage and using WET output to convert to DC voltage and current draw of device is greater than 0.9 A, the upper temperature range is 130 °F
<b>Dimensions</b>	5.2 in (W) $\times$ 1.0 in (H) $\times$ 2.2 in (D)
<b>Relay Hold Time</b>	Up to 60 seconds per relay
<b>Delay Between Relays</b>	Up to 60 seconds per relay with ¼, ½ and ¾ second options
<b>Housing Material</b>	ABS Plastic
<b>Input Specification</b>	Inputs 1, 2, 3, 4 WET Input
	DRY contact 5 – 24 VAC / VDC $\pm 10\%$
<b>Contact Rating</b>	3 A @ 24 VAC / 30 VDC
Relay 1 (DRY)	1 A
Relay 1 (WET)	3 A @ 24 VAC / 30 VDC
Relay 2	1 A @ 24 VAC / 30 VDC
Relay 3	

## RELATED PRODUCTS



**10BR3X**  
3-RELAY LOGIC  
MODULE



**10RESTROOMKIT**  
RESTROOM  
KIT



**10EMERGENCYKIT**  
EMERGENCY  
ADD-ON KIT

