



# BR3-X

## PROGRAMMABLE 3-RELAY LOGIC MODULE



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### 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.



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

### Customizable

Versatility with 13 programmable logic functions for the BR3-X

### Intuitive Programming

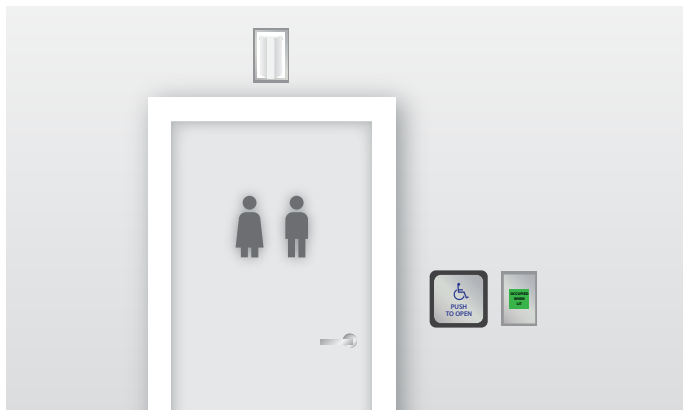
Two-button programming combined with dual seven-segment display provides simple setup

### Integrated Relays

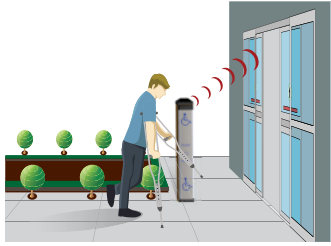
Two 3-AMP relays and one 1-AMP relay, all with built-in surge suppression, eliminates the need for external components when installing some electric locking devices

### On-Board Power

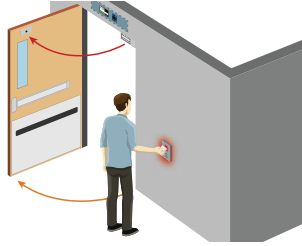
WET output with AC / DC voltage for powering an electric locking device directly from the module



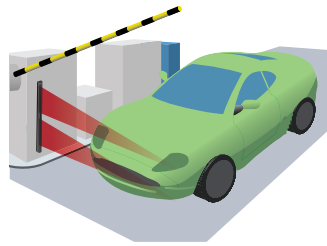
## APPLICATIONS



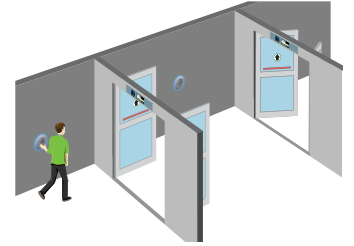
Sliding



Swinging



Gates & Barriers



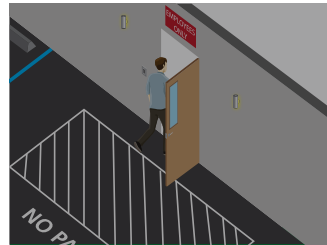
Request-To-Exit



Low Energy



Restroom Emergency



Day / Night Mode

## TECHNICAL SPECIFICATIONS

<b>Supply Voltage</b>	12 – 24 VAC / VDC ±10%
<b>Power Consumption</b>	30 – 130 mA; DRY Output
<b>Temperature Range*</b>	-15 – 150 °F
<b>Dimensions</b>	5 1/8" (W) × 1" (H) × 2 1/8" (D)
<b>Relay Hold Time</b>	Up to 60 seconds per relay
<b>Delay Between Relays</b>	Up to 60 seconds per relay with 1/4, 1/2 and 3/4 second options
<b>Housing Material</b>	ABS Plastic
<b>Input Specification</b>	
Inputs 1, 2, 3, 4	DRY contact
WET Input	5 – 24 VAC / VDC ±10%
<b>Contact Rating</b>	
Relay 1 (DRY)	3 A @ 24 VAC / 30 VDC
Relay 1 (WET)	1 A
Relay 2	3 A @ 24 VAC / 30 VDC
Relay 3	1 A @ 24 VAC / 30 VDC

\*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

## PRODUCT SERIES



**10BR3X**  
3-Relay logic module



**10RESTROOMKIT**  
Restroom kit



**10EMERGENCYKIT**  
Emergency add-on kit

BR3-X FUNCTION	DESCRIPTION
<b>10</b>	Timer
<b>11</b>	Ratchet / Latching
<b>22</b>	2 Relay Sequence + Inhibitor
<b>28</b>	2 Relay Sequence + Door Position
<b>29</b>	Deactivation Time
<b>36</b>	3-Relay Sequencer + '1-shot'
<b>37</b>	3-Relay Sequence with 'Independent Relay'
<b>50</b>	Interlock Timer
<b>55</b>	Interlock Ratchet / Latching
<b>65</b>	2-Way, 2 Relay Sequence
<b>nL</b>	Normally Locked Restroom
<b>nU</b>	Normally Unlocked Restroom
<b>dn</b>	3-Relay Sequencer + 'Day / Night Mode'
<b>00</b>	Disable

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