



# BR3-X

## PROGRAMMABLE 3-RELAY LOGIC MODULE



### VIDEO



[Watch the product video](#)

### 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

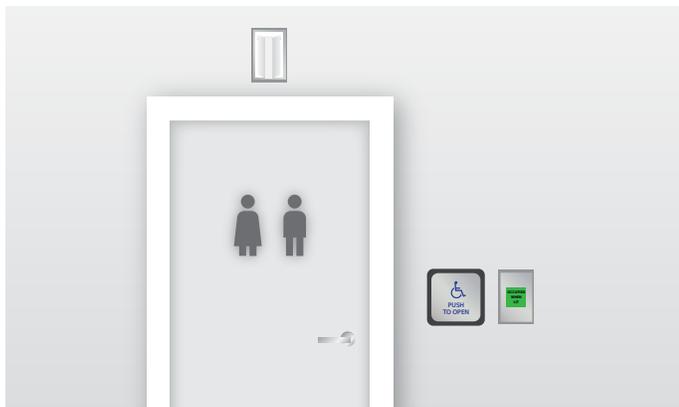
Two-button programming combined with dual seven-segment display provides simple setup

### 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

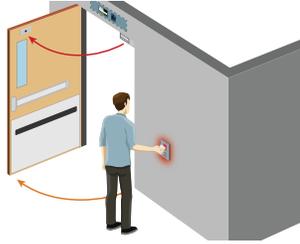
WET output with AC / DC voltage for powering an electric locking device directly from the module



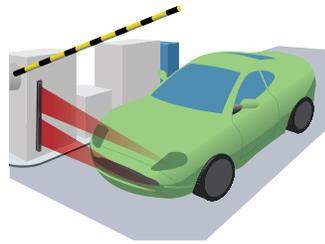
## APPLICATIONS



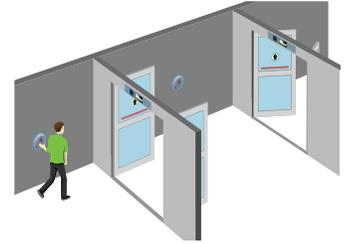
Sliding



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



| 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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