

BR3 FAMILY

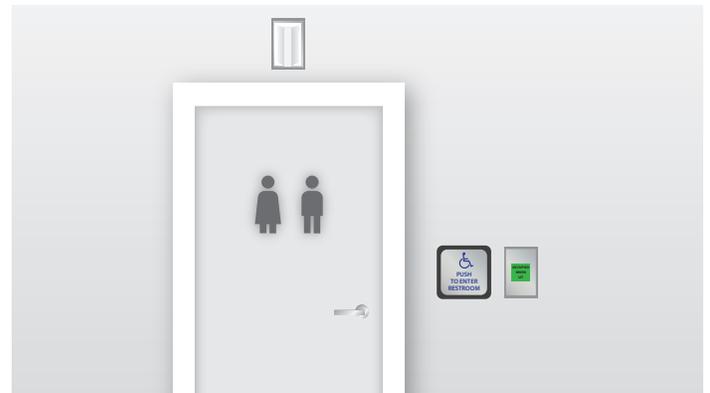
PROGRAMMABLE 3-RELAY LOGIC MODULES



PRIMARY APPLICATIONS



- 1 Br3 Receives Input
- 2 Br3 Relay 1 Releases Maglock
- 3 Br3 Relay 2 Activates Door



DESCRIPTION

BEA's Br3 family of logic modules 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 (24hr) mode".

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

FEATURES & BENEFITS

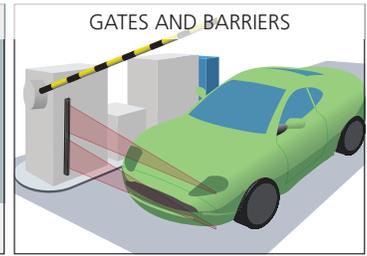
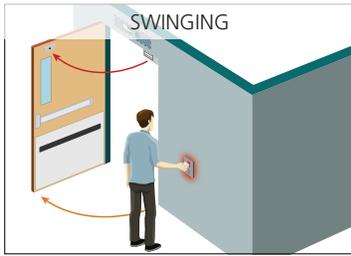
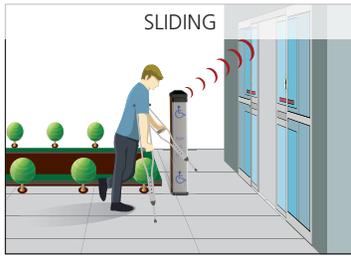
- Programmable logic functions provide versatility across various applications (12 in the Br3; 13 in the Br3-X)
- Two-button programming combined with dual seven-segment display provides simple setup
- Two 3-AMP relays and one 1-AMP relay, all with built-in surge suppression, eliminates the need for 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 FUNCTION	DESCRIPTION
10	Timer
11	Ratchet / Latching
21	Inhibitor with Door Position Input
22	2 Relay Sequence + Inhibitor
25	2 Relay Sequence
28	2 Relay Sequence + Door Position
29	Deactivation Timer
35	3 Relay Sequence
50	Interlock Timer
55	Interlock Ratchet / Latching
65	2-Way, 2 Relay Sequence
75	2 Relay Sequence

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 (24 hr) mode'
00	Disable

TECHNICAL SPECIFICATIONS

Supply Voltage	12 to 24 VAC / DC +/- 10%
Power Consumption	30 to 130 mA; DRY Output
Temperature Range	-15° F to 150° F -15° F to 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
Dimensions	5.2 in x 2.2 in x 1.0 in
Relay Hold Time	Up to 60 seconds per relay
Delay Between Relays	Up to 60 seconds per relay with 1/4, 1/2 and 3/4 second options
Housing Material	ABS Plastic
Input Specification	
Inputs 1, 2, 3, 4	DRY contact
WET Input	5 to 24 VAC / DC +/- 10%
Contact Rating	
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

RELATED PRODUCTS



10BR3
3-RELAY LOGIC
MODULE



10BR3X
3-RELAY LOGIC
MODULE



10RRK
RESTROOM
KIT



10EAOK
EMERGENCY
ADD-ON KIT

