

# PUSH PLATE FAMILY

Stainless steel push plates

(US version)



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of this document.

## DESCRIPTION

Images shown below are "Text & Logo" versions.

See table "Push Plate Models" on the following page for all available varieties.



4.5" ROUND



4.5" SQUARE



4.75" SQUARE



6" ROUND



6" SQUARE



JAMB  
(with and without microswitch)



SINGLE GANG



VESTIBULE

## ACCESSORIES

### BOLLARDS



### BOXES



### BRACKETS



### TRANSMITTERS & RECEIVERS



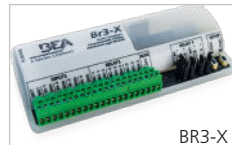
900 MHz

### TRANSMITTER, RECEIVER, LOGIC



BR2-900

### LOGIC MODULE



BR3-X

## PUSH PLATE MODELS

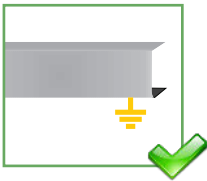
	4.5" ROUND	4.5" SQUARE	4.75" SQUARE	6" ROUND	6" SQUARE	SINGLE GANG	VESTIBULE	JAMB	JAMB (NARROW) W/MICROSWITCH	JAMB (WIDE) W/MICROSWITCH
dimensions:	W: 4 1/2" H: 4 1/2" D: 5/8"	W: 4 1/2" H: 4 1/2" D: 5/8"	W: 4 3/4" H: 4 3/4" D: 5/8"	W: 6" H: 6" D: 5/8"	W: 6" H: 6" D: 5/8"	W: 2 3/4" H: 4 1/2" D: 3/8"	W: 4 3/4" H: 4 3/4" D: 5/8"	W: 1 1/2" H: 4 3/4" D: 5/8"	W: 1 1/2" H: 4 3/4" D: 5/8"	W: 1 3/4" H: 4 1/2" D: 1/2"
switch rating:	SPDT (15A @ 125 or 250 VAC)									
"PUSH TO OPEN"	10PBR45	10PBS45	10PBS	10PBR	10PBS6			10PBJ		
"PRESS TO OPERATE DOOR"		10PBS45POD								
"PUSH TO SLOW" W/ BRAILLE (WHITE TEXT ON BLUE PLATE)								10PBSREV		
TEXT & LOGO	10PBR451	10PBS451	10PBS1	10PBR1	10PBS61	10PBO241	10PBDGP1	10PBJ1	10PBJM1	10PBJMS1 (hard-wired)
TEXT & ALTERNATE LOGO		10PBS451AL	10PBS1AL	10PBR1AL						
LOGO ONLY	10PBR45LL	10PBS45LL	10PBSLL	10PBRLL	10PBS6LL	10PBO24L		10PBJLL	10PBJML	10PBJMSLL (hard-wired)
PLAIN FACE	10PBR4510	10PBS4510	10PBS10	10PBR10	10PBS610	10PBO2410		10PBJ10		
WHITE TEXT ON BLUE PLATE		10PBS45B								
BLUE TEXT ON SATIN BRASS PLATE			10PBS15B							
WHITE TEXT & LOGO ON BLUE PLATE		10PBS451B	10PBS1B					10PBJ1B		
"PUSH TO EXIT"			10PBSE			10PBO24E		10PBJE		

# READ BEFORE BEGINNING INSTALLATION/PROGRAMMING/SET-UP

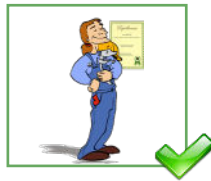
## PRECAUTIONS



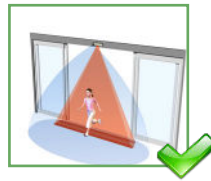
- ❑ Shut off all power going to header before attempting any wiring procedures.
- ❑ Maintain a clean and safe environment when working in public areas.
- ❑ Constantly be aware of pedestrian traffic around the door area.
- ❑ Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- ❑ *ESD (electrostatic discharge)*: Circuit boards are vulnerable to damage by electrostatic discharge. Before handling any board, ensure you dissipate your body's ESD charge.
- ❑ Always check placement of all wiring before powering up to ensure that moving door parts will not catch any wires and cause damage to equipment.
- ❑ Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.
- ❑ DO NOT attempt any internal repair of the components. All repairs and/or component replacements must be performed by BEA, Inc. Unauthorized disassembly or repair:
  1. May jeopardize personal safety and may expose one to the risk of electrical shock.
  2. May adversely affect the safe and reliable performance of the product resulting in a voided warranty.



The door control system and the header cover profile must be correctly grounded.



Only trained and qualified personnel are recommended to install and set up the sensor.



Always test the proper operation of the installation before leaving the premises.

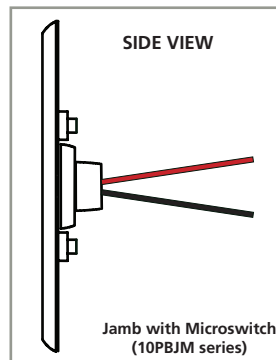
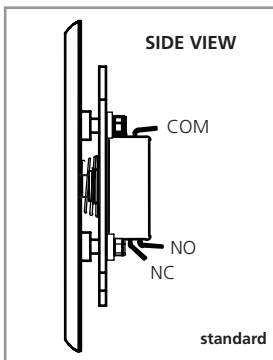


The warranty is invalid if unauthorized repairs are made or attempted by unauthorized personnel.

## MOUNTING & WIRING

1. Mark and drill the appropriate holes for mounting.
  - 10PBJMS (4-stud) plate**: jigsaw required for the hole
  - 10PBS45**: face plate must be removed before wiring (using Phillips screwdriver)
2. Wire the push plate to the door controller or radio-controlled transmitter using the NO and COM contacts.

If installing the Jamb with Microswitch (10PBJM1, 10PBJMS1, 10PBJML, or 10PBJMLL), wire-nut the microswitch to the door controller using the NO and COM contacts.

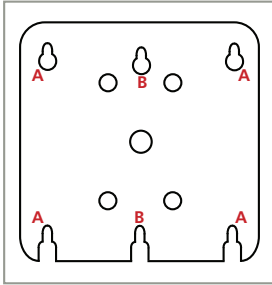


# MOUNTING & WIRING (cont.)

NOTE: The following accessories must be installed before securing push plate to the box:

- **adapter plate** (10BRINGC for double-gang boxes and 50.5016 for vestibule plates)
- **bracket** (10PBRACKET or 10PBRACKETCA for surface-mounting)
- **weather ring** (10WRSQ475, 10WRRND45, 10WRRND6)

3. For all push plates except the 4.5" square, thread each hex-head screw  $\frac{3}{4}$  of the way into the electrical enclosure. Leave about  $\frac{1}{2}$ " of the screw unthreaded. See note below for type of screw to use.

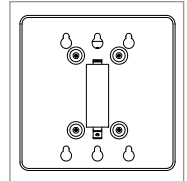


The 6" and 4.75" push plates contain 2 sizes of screws:

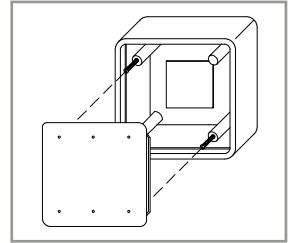
- larger screws = corners of 4x4 electrical type boxes (A, left)
- smaller screws = single/double-gang electrical boxes (B, left)

4.75" square shown here

The 4.5" plate (see image, right) requires #6 Phillips screws for both single- and double-gang installations. Once the back plate is secured, the face plate must be reattached.



4. Install the push plate onto the box (see image, right), aligning the applicable keyholes with the hex screws. Slide the push plate down, and then secure the push plate to the box by tightening the screws using the provided hex key.
5. Test for proper push-plate activation.



## MAINTENANCE

**Clean the push plates using only a damp, non-abrasive cloth.**

Regular cleaning with harsh solvents or abrasive materials may cause deterioration of the paint or coating.

### BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or incorrect adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor device outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor/device system performance is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer's recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107, UL294, UL325, and International Building Code).

Verify that all appropriate industry signage, warning labels, and placards are in place.



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