# LPR36

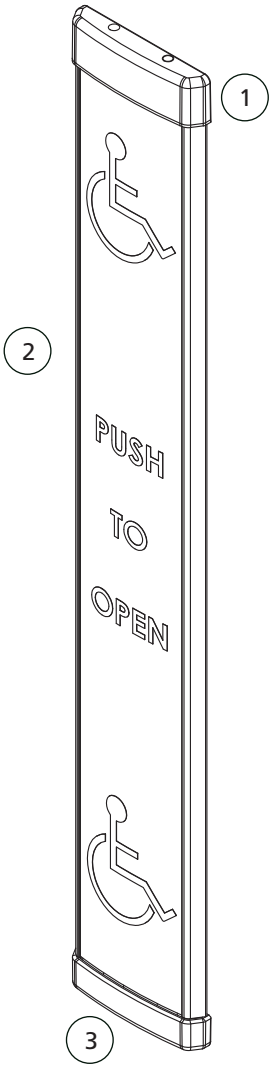
## Low-profile push plates

10LPR36-HW (hard-wired)

10LPR36-900 / 10LPR36-433 / 10LPR36-300 (wireless)

*Visit website for available languages of this document.*

## DESCRIPTION




1. Top end cap
2. Plate assembly
3. Bottom end cap

***BATTERY REPLACEMENT:***

***300 MHz - A23 12-volt***

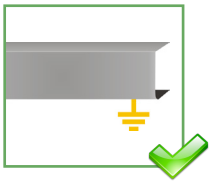
***433 MHz - CR2032 3-volt***

***900 MHz - CR2032 3-volt***

## PRECAUTIONS

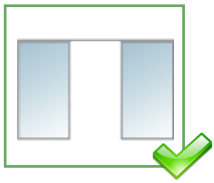
**CAUTION**

- ❑ 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.

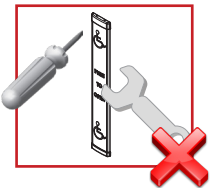


The door control system and the header cover profile must be correctly grounded.

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 INFORMATION

Prior to mounting the plate, ensure the two (2) in-transit locking screws are removed from the back of the plate. These screws are not required for installation.

Mounting the plate on an uneven surface will cause the switching mechanism to hold the circuit closed at all times.

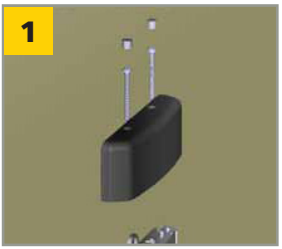
The LPR36 (hard-wired or wireless) may be mounted to a wall or a bollard.

- When hard-wiring to a wall, a junction box[1] must first be mounted flush with the wall, and no less than 34 ⅜" from the finished floor (or top of baseboard or cove molding, if present) to the center of the electrical box.
- When hard-wiring to a bollard without a hole, measure 34 ⅜" from the bottom of the bollard and drill a wire passage hole[2] in the center. Now measure 37 ⅝" from the bottom of the bollard and drill a hole[2] in the center for the top mounting screw. Attach the LPR to the bollard using the top screw. Drill a hole at the bottom (1 ¾" from the bottom of the bollard) for the LPR mounting hole location and secure with second screw.

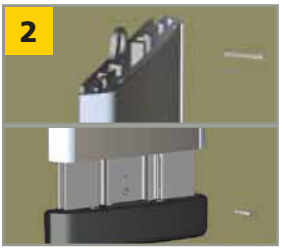
**NOTES:**
1. The junction box and the installation of the junction box must be in accordance with National Electric Code (NEC) or local codes.
2. Hole sizes to be determined by size of materials being used.

# MOUNTING

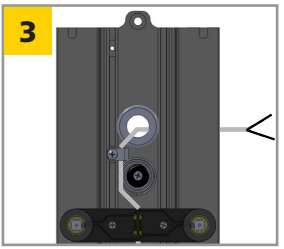
***Do not remove the face plate during mounting.***



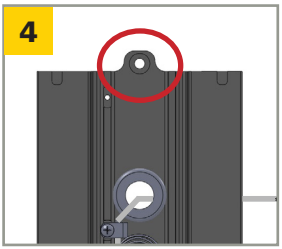

Remove the top end cap by removing its screw covers and then removing the screws.



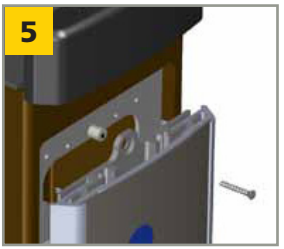

After removing the top end cap, remove the top and bottom locking hole screws.[1]



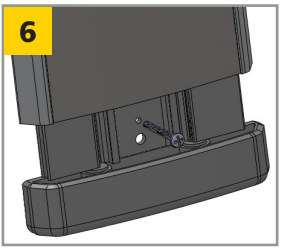

Make necessary wiring connections.[2] Ensure excess wiring is kept inside the junction box, if used.[3]



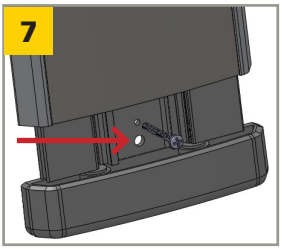

Install an appropriate anchor through the top mounting hole.



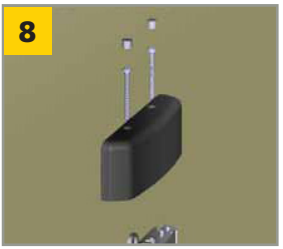

To mount to a bollard, attach the switch to the bollard using a 10-24 × 0.75 mounting screw and nylon spacer.




To secure the bottom plate assembly, first slide the front plate upwards, and then insert a top end cap screw into the threshold to hold.




Secure the plate assembly using the bottom mounting screw. Remove the top end screw from base and slide down.




Replace the top end cap with provided screws and reinstall the screw covers.

To complete a wireless set-up (or change the battery), refer to the applicable Wireless Transmitter and Receiver User's Guide.

**NOTES:**

1. If installing a wireless version, allow the top end cap assembly to hang loosely by the cable during set-up. **Do not unwire.**
2. Image shown has the plate and end cap removed for illustration purposes.
3. To avoid activation issues, do not push excess wire(s) into the plate assembly during reassembly.

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **SWITCH SUB-ASSEMBLY** | |
| **Contact configuration:** | SPST N.O. |
| **Switching voltage:** | 0.1 – 50 VDC |
| **Switching capacity:** | 1 W |
| **Switching current:** | 0.005 – 100 ma DC |
| **Operating temperature:** | -32 – 212 °F (-35 – 100 °C) |
| **PUSH PLATE ASSEMBLY** | |
| **Base material:** | 6063 aluminum |
| **Face plate material:** | 304 stainless steel |
| **Switch actuator material:** | nylon 66 |
| **End cap material:** | UL94 ABS |
| **Hardware material:** | stainless steel |

*Specifications are subject to change without prior notice.*
*All values measured in specific conditions.*

## CLEANING

To clean the plates, use only a damp, non-abrasive cloth. Regular cleaning with harsh solvents or abrasive materials may cause deterioration of the paint coating. Ensure the user is aware of this procedure.



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

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor 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 system installation 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 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).

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

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