

608 Series

Heavy Duty Switch Bollard

INSTALLATION INSTRUCTIONS

Section 1

General Description

The 608 Series switch bollard is designed to provide a freestanding, self-contained automatic door activation device that can be installed at any location. While numerous options are available from the factory, this manual covers installation steps for our most common versions.

Section 2

Basic Installation

SURFACE MOUNT INSTALLATION WITH INTERNAL SHOE (see Figure 1a)

- 1) Drill concrete for two 3/8" x 3" anchor bolts provided using the mounting shoe as a template.
- 2) Place plastic rust shield provided over holes in the concrete, set mounting shoe onto the rust shield.



NOTE: If bollard switch is to be hardwired, pull conduit through holes in the center of the rust shield and mounting shoe. Pull electrical wires long enough to be accessible from the top of the bollard once mounted (approximately 42").

- 3) Hammer anchor bolts into holes in concrete shimming as necessary to level bollard. Securely tighten anchor bolts.
- 4) Slide bollard over mounting shoe and secure with the four 1/4"-20 x 1/2" bolts provided. Caulk around base of bollard as needed.

PROCEED TO SECTION 3-WIRING

SURFACE MOUNT INSTALLATION WITH EXTERNAL SHOE (see Figure 1b)

- 1) Drill concrete for four 5/16" x 2 1/2" power bolts provided using the mounting shoe as a template.
- 2) Place plastic rust shield provided over holes in the concrete, set bollard onto the rust shield.



NOTE: If bollard switch is to be hardwired, pull conduit through holes in the center of the rust shield and mounting shoe. Pull electrical wires to top of bollard so they are accessible.

- 3) Hammer power bolts into holes in concrete shimming as necessary to level bollard. Securely tighten power bolts.
- 4) Caulk around base of bollard as needed.

PROCEED TO SECTION 3-WIRING

IN-GROUND MOUNT INSTALLATION (see Figure 1c)

- 1) Core a 3" diameter hole in the concrete 12" deep. If no concrete exists, dig a hole 12" deep.
- 2) Secure the in-ground mounting shoe to the bollard with the four 1/4"-20 x 1/2" bolts provided.
- 3) Place the entire bollard assembly into prepared hole.



NOTE: If bollard switch is to be hardwired, pull conduit through hole in the center of the mounting shoe. Pull electrical wires to top of bollard so they are accessible.

- 4) Pour concrete into hole.
- 5) Push bollard further into the hole until base is at proper height.
- 6) Level and brace bollard.
- 7) Once all concrete has cured, caulk around base of bollard as needed.

PROCEED TO SECTION 3-WIRING

SURFACE MOUNT INSTALLATION

FIGURE 1a

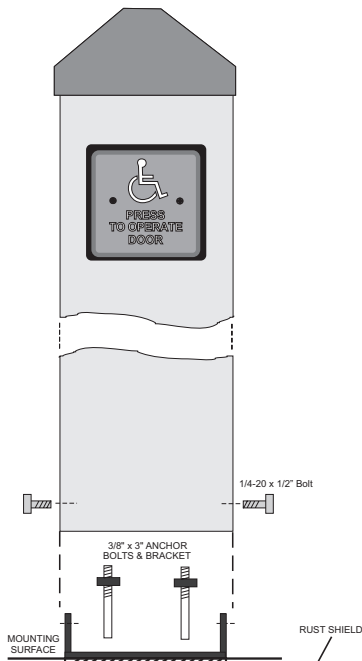
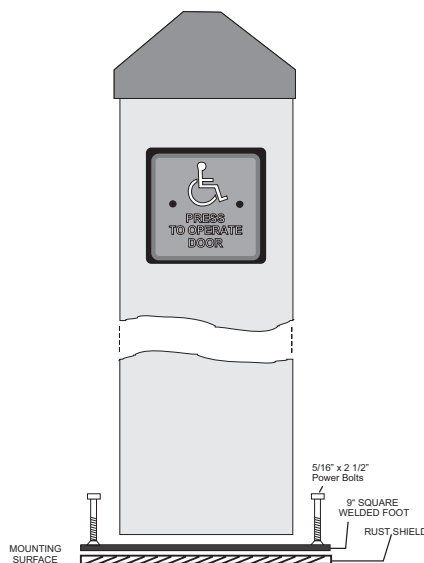
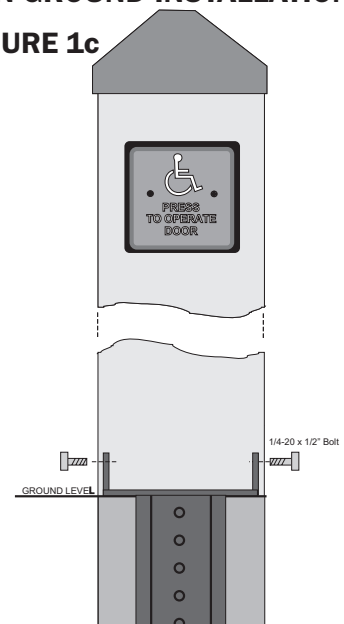


FIGURE 1b



IN GROUND INSTALLATION

FIGURE 1c



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INSTALLATION INSTRUCTIONS

Section 3

Wiring

HARDWIRED

- 1) Connect the two signal wires to the appropriate contacts on the switch. (Standard connections are COM and N.O.)
- 2) Set the spacer platform (provided) in the top of the switch bollard opposite to the cap mounting holes.
- 3) Install the cap and fasten with the two 8-32 x 1/2" screws provided.



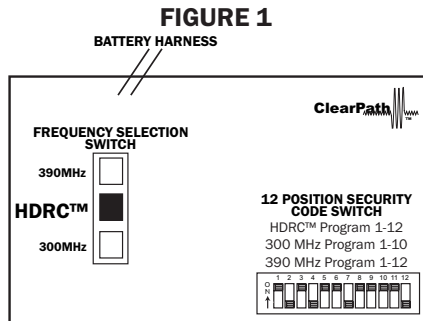
NOTE: Two signal wires are required per switch on vestibule models.

RADIO CONTROL (WIRELESS)



When a ClearPath radio transmitter option is ordered from the factory, the 608 series bollard will come complete with the transmitter and battery mounted on its platform ready to be installed under the plastic cap. The CP/TX-P, CP/STX-P (vestibule sequencing version), and CP/TX-VP (2 transmitters) feature 3 selectable frequencies in a single device: High Definition Radio Control™ (HDCR™), 300 MHz and 390 MHz.

- 1) **SELECT FREQUENCY:** Select the desired frequency, via the 3-position slide switch on the transmitter circuit board (Fig. 1). HDCR™ is factory setting.



HDCR™: MS SEDCO proprietary technology

300 MHz: Compatible with Multicode™ products

390 MHz: Compatible with MS SEDCO and GENIE™ products

- 2) **SELECT SECURITY CODE:** Program the desired security code, via the 12 dip switches on the transmitter circuit board (Fig. 1).



NOTE: For sequencing transmitters refer to CP/STX-P installation instructions for proper programming.

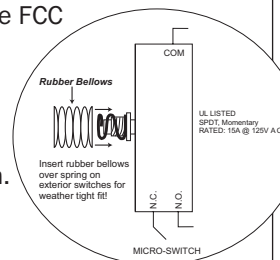
- 3) Plug the 2-lead transmitter wiring harness onto the "COM" (Common) and "N.O." (Normally Open) contacts located on the door activator's microswitch.
- 4) Set transmitter platform in the top of bollard opposite to the cap screw holes.
- 5) Install the cap and secure it with the two 8-32 screws provided.



NOTE: Vestibule switch bollards are supplied with two transmitters (one per switch).



NOTICE: This device complies with Part 15 of the FCC rules. Operation of this device is subject to the following two conditions: 1) This device may not cause harmful interference and 2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by MS SEDCO could void the user's authority to operate this equipment.



MICROSWITCH ASSEMBLY

