

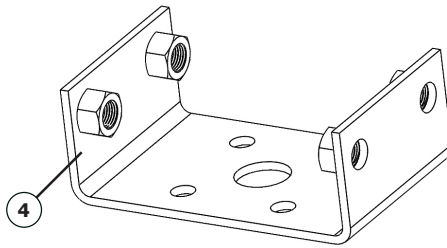
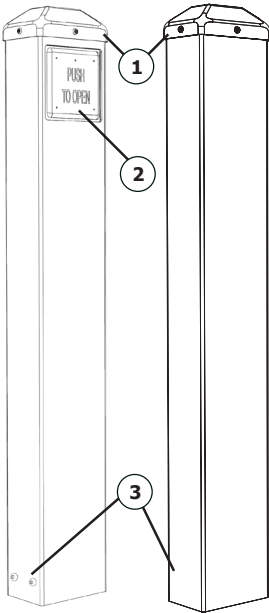
**DEVICES COVERED IN THIS DOCUMENT:**

2-659-0180

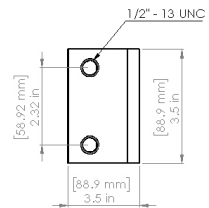
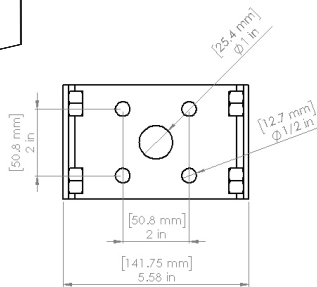
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2-659-0182

# 1. DESCRIPTION



1. Top cap
2. Push plate (not included)
3. Bollard mounting bolts
4. Mounting bracket



## 2. SPECIFICATIONS

Dimensions (with cap)	41 1/2" (H) × 6 1/4" (W) × 4 1/4" D
Material: post cap bracket	powder-coated, carbon steel (exterior + partial interior) UV-resistant ABS plastic stainless steel
Push Plate Compatibility	4 1/2" square 4 3/4" square (including Panther) Dual-vestibule 4 1/2" round
Weight	35 lbs (16 kg)
Color	Black, bronze, or silver
Hardware post cap bracket	1/2" x 13 UNC x 1" socket-head bolts (4) – 5/16" hex #6 x 3/4" sheet metal screws (3) and #6 finishing washers (3) 3" expansion anchors (4), lock washers (4), and nuts (4)

## 3. PRECAUTIONS

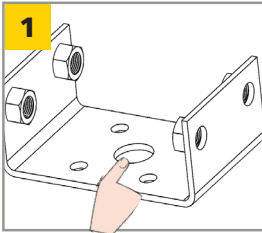


**CAUTION**

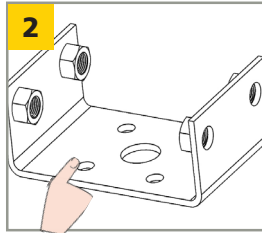
- ❑ Shut off all power going to header before attempting any wiring procedures.
- ❑ Maintain a clean & safe environment when working in public areas.
- ❑ Constantly be aware of pedestrian traffic around the door area.
- ❑ Always stop pedestrian traffic through the doorway when performing tests that may 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 Hager Companies. 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.

## 4. INSTALLATION

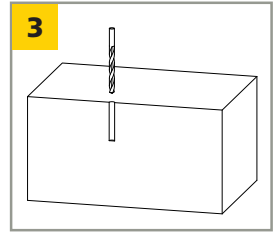
### MOUNTING BRACKET



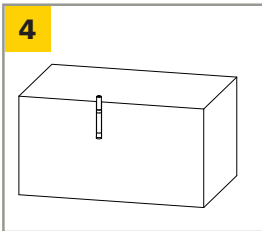
For hardwired<sup>1</sup> applications, run activation wires through center hole and into conduit.



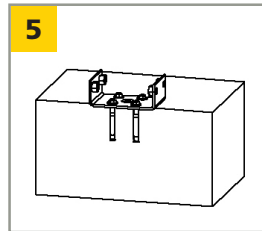
Use mounting bracket to mark four (4) mounting hole locations on concrete.



Drill four (4)  $\frac{3}{8}$ " holes into concrete.



Hammer and set four (4) anchors into concrete.

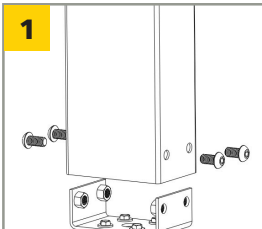


Install mounting bracket and securely tighten nuts.

#### NOTES:

1. For wireless applications, refer to wireless transmitter section on page 3.

### ASSEMBLY

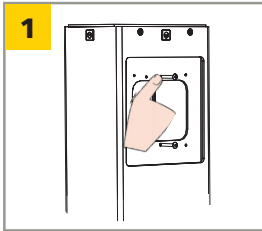


Align bollard to mounting bracket and attach using four (4) mounting bolts.

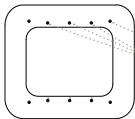
Lubricate threads of bolts prior to installing. Secure bolts by hand only – using power tools may cause galling and bolts to freeze.

## 4. INSTALLATION (cont.)

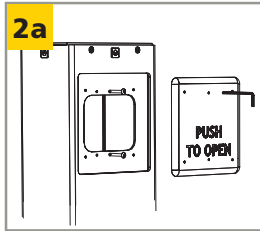
### PUSH PLATE



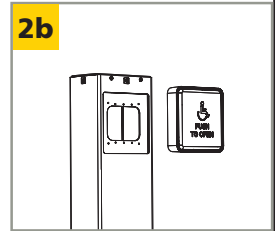
Thread push plate mounting screws into bollard, leaving majority of screw exposed.



6-32 UNC (0.107" Ø)  
 8-32 UNC (0.136" Ø)



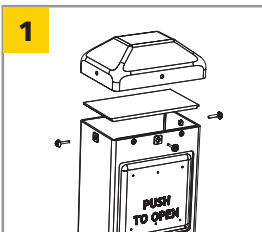
Attach push plate using provided hex key (5/64"), and tighten.



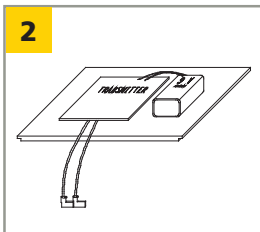
For Panther plates, mount to bollard in the same manner as you would a wall.

Refer to specific PUSH PLATE User's Guide for full mounting and installation instructions.

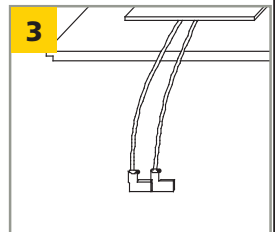
### WIRELESS TRANSMITTER



Remove top cap to expose transmitter mounting tray.



Velcro transmitter and battery to mounting tray.<sup>1,2</sup>



Attach transmitter leads to NO and COM of push plate.

#### NOTES:

1. Do not allow transmitter to hang down into bollard as this may cause transmission interference.
2. Panther plates do not require a transmitter as it is integrated into the product.

### INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

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

The sensor manufacturer 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. ANSV/DASMA 102, ANSV/DASMA 107, UL294, UL325, and International Building Code).

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

