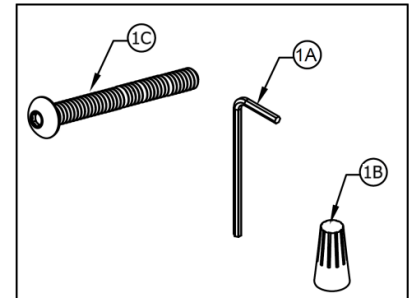
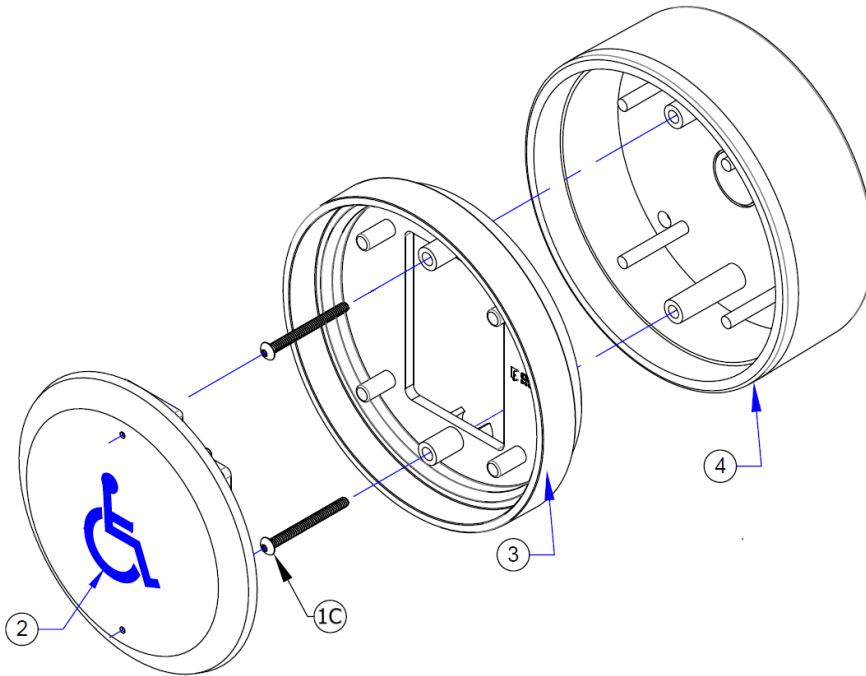
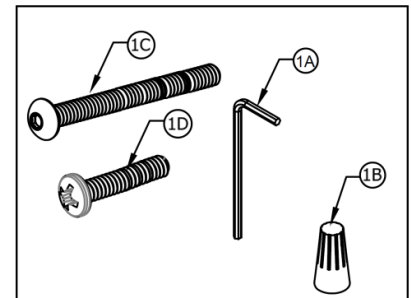


Hager 8228-01 4 1/2" RND and 8228-00 6" RND 'all active' push plate switches are heavy-duty, weather resistant and ADA compliant door activation switches. The 8228-01 4 1/2" RND switches mount to standard 2 x 4 electrical boxes. The faceplates are stainless steel or solid brass, and the assembly is designed for easy installation in single-gang electrical boxes, or with included adapter plate – double-gang and 4x4 boxes. The switches are rated 15 amps @ 30V DC. The push switches are offered with different graphics, and in various architectural finishes. Watertight configurations are also available.

Contents:



8228-01 4 1/2" RND



8228-00 6" RND

Item Number	Product Name	Component Description
1	8228-01 4 1/2" RND	(A) Small Hex Key 5/64" Short Arm (B) Grey Plastic Wire Nut C/W Spring (C) 6-32 x 1-1/4" Round Hex Socket Machine Screw
	8228-00 6" RND	(A) Small Hex Key 5/64" Short Arm (B) Grey Plastic Wire Nut C/W Spring (C) 6-32 x 1-1/4" Round Hex Socket Machine Screw (D) 6-32 x 1/2" Pan Phillips Head Machine Screw
2		Faceplate
3 and 4		Enclosure or Mounting Box (Sold Separately)

1 8228-01 4 1/2" and 8228-00 6" RND Front, Side and Back View

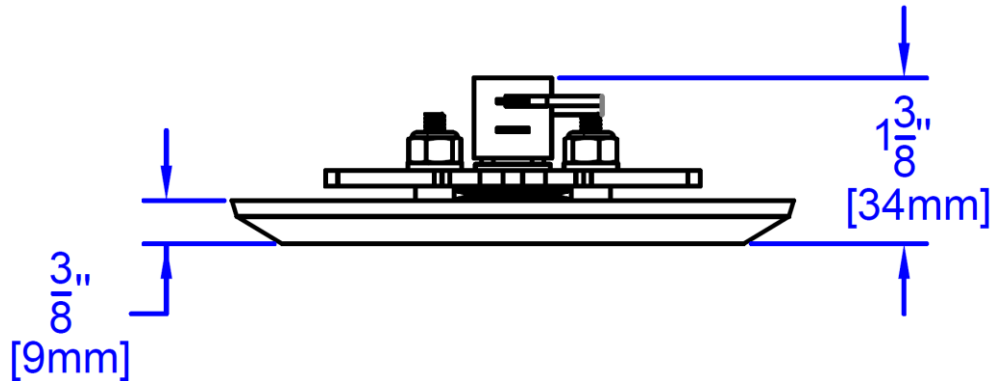


Figure 1: 8228-01 4 1/2" and 8228-00 6" RND Side View

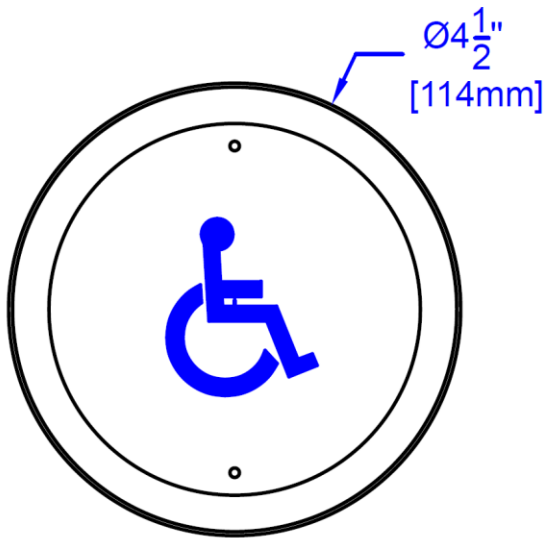


Figure 2: 8228-01 4 1/2" RND Front View

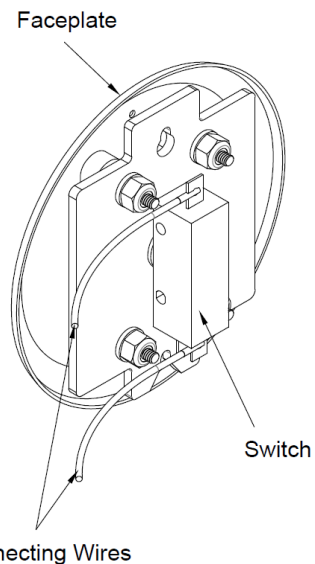


Figure 3: 8228-01 4 1/2" RND Back View

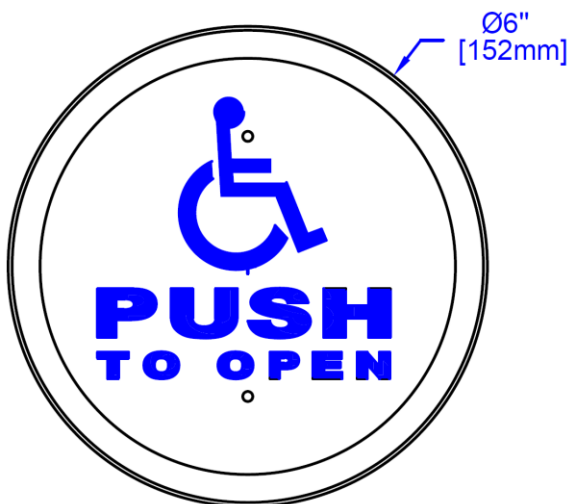


Figure 4: 8228-00 6" RND Front View

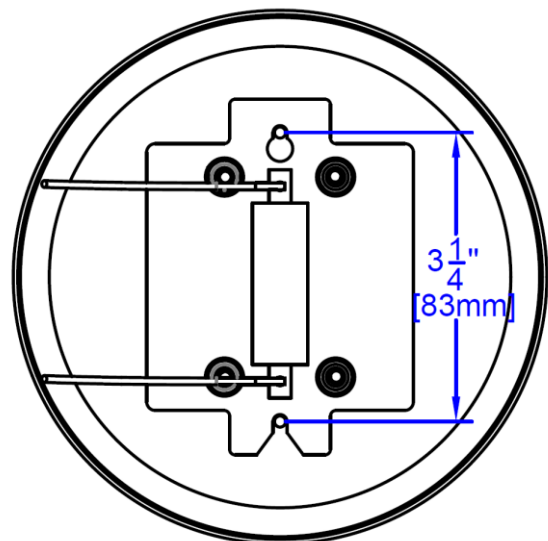


Figure 5: 8228-00 6" RND Back View

2 Specifications

Hardwired	
Voltage	12/24V DC
Contact Type	SPDT FORM 'C
Switch Type	Momentary
Contact Rating	15A @ 30V DC
Temperature Range	-40°F to 140°F (-40°C to 60°C)
Standard Finish	US32D/630
Kinetic	
Wireless Frequency	900 MHz. Fixed Frequency
Open Air Range	Up to 300ft
Temperature Range	-40°F to 185°F (-40°C to 85°C)
Standard Finish	US32D/630

3 Application

Hager all-active switches are designed for areas where an easy-to activate, high visibility switch is desired. Ideal for high-traffic areas, hospitals, wheelchair access, seniors' residences, etc. They can be surface or flush mounted.

Hager all-active switches are designed to control electric strikes, electromagnetic locks, and automatic doors. They may also be used for shunting, bypassing alarms, request to exit, timed functions, and many other applications.

The switches are made for high frequency usage, in both indoor and outdoor environments. Hager switches are versatile, and can be supplied in various configurations and finishes, to suit any commercial, industrial, or institutional application.

4 Installation and Wiring

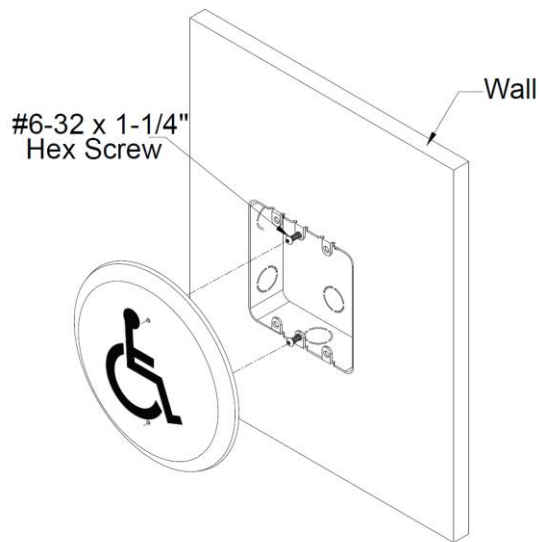


Figure 6: 8228-01 4 1/2" RND Flush Mount

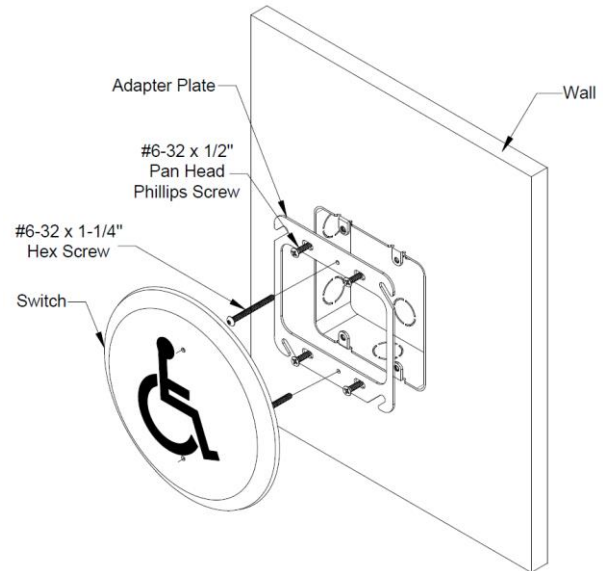


Figure 7: 8228-00 6" RND Flush Mount

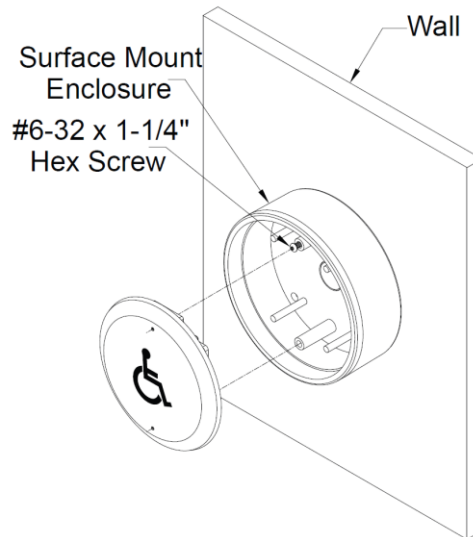


Figure 8: 8228-01 4 1/2" and 8228-00 6" RND Surface Mount

Mounting Options:

- The 8228-01 4 1/2" RND and 8228-00 6" RND can be installed using either flush or surface mounting methods.
- For surface mounting, a specific Surface Mount Enclosure is required.

Installation Process:

- Use two #6-32 x 1 1/4" screws for mounting.
- Insert the screws into the designated mounting holes, but do not fully tighten them at this stage.

Attaching the Switch:

- Align the switch so that the screw heads slide into the slots on the back of the switch.
- Once the switch is in position, proceed to secure it in place.

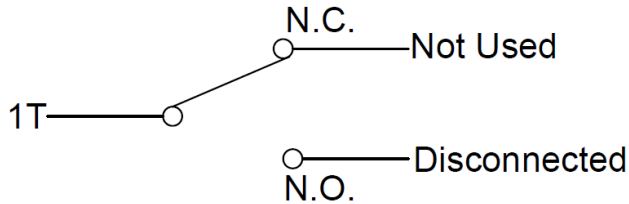
Securing the Switch:

- Insert the hex key into the holes on the faceplate to access and tighten the screws.

5 Wiring

Switch is not pressed

SPDT



Switch is pressed

SPDT

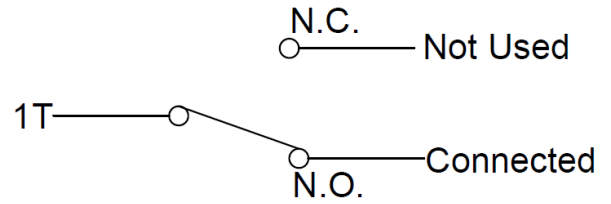


Figure 9: Momentary, when the switch is pressed, the current pole will change to the opposite state until released

WIRING LAYOUT

SWITCH STATE	COM Terminal	NO Terminal	NC Terminal	Connection Status
Not Pressed	Connected	Disconnected	Not Used	No Connection
Pressed	Connected	Connected	Not Used	COM connected to NO

Note: Please refer to 82RX installation instructions for directions to pair Kinetic Switches