



## 216 SERIES TOUCHLESS SWITCH

### DESCRIPTION

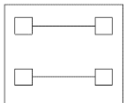
The 216 is a hard-wired touchless activation switch intended for use on automatic doors.

### SPECIFICATIONS

Model	216: 4-1/2" x 4-1/2" / Fits dbl. gang junction box 216L: 2-3/4" x 2-3/4" / Fits single gang junction box 216N: 1-11/16" x 4-1/2" / Fits 1-3/4" door frames
Input Power	12 to 24 Volts AC or DC
Input Current	Approx. 100 mA @ 18 VAC per switch
Output Relay	Form C, 3 Amp Contact Rating
Response Time	.05 to 1 second
Temperature Rating	13 – 140 Degrees F.
Dimensions	1-5/16" x 4" x 1-1/4"

### OUTPUT CONFIGURATION

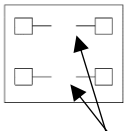
On the right side of the switch body, there are two jumpers that can be field modified (shown at right).



**JP1:** Normal (passive relay - default): Relay is energized upon switch activation.

**JP2:** Time Delay Mode (default): Output relay is held active until time delay expires.

Select the desired jumper and cut the line between the 2 end points as shown. The cut circuit will result in the following performance for each jumper:



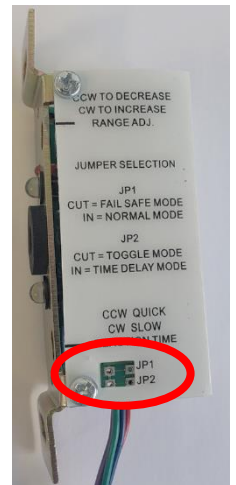
**JP1:** Fail Safe (active relay): Relay is de-energized upon switch activation or power loss. In this mode, the red LED will be illuminated when idle, and go out when the switch is activated.

**JP2:** Toggle Mode: Each activation of the switch changes the state of the output relay. This is commonly referred to as a "ratchet" or "latching" function.

Cut Here

### WIRING

- Wiring designations are identified on the product label as shown at right.
- Note: When jumper JP1 is cut, relay logic will be reversed. The blue wire will act as N.C. and the violet wire will act as N.O.



#216 SERIES  
TOUCHLESS SWITCH

BY  
**MS SEDCO**

INPUT CONNECTIONS  
12-24 V AC or DC  
RED WIRES

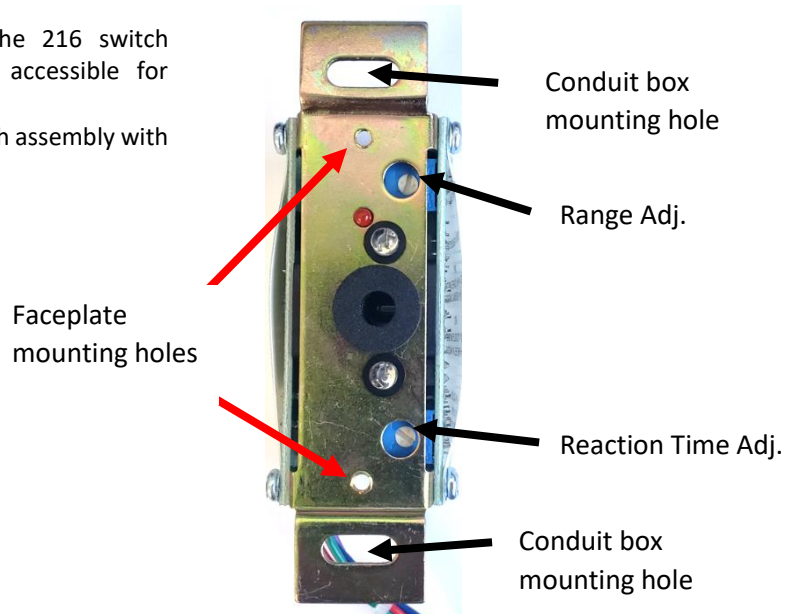
OUTPUT CONNECTIONS

GREEN = COMMON  
BLUE = N.O.  
VIOLET = N.C.

OUTPUT RATING  
3A @ 24V

#### INSTALLATION:

- With the faceplate removed from the 216 switch assembly, the mount holes will be accessible for mounting it to a conduit box
- Faceplate is attached direct to the switch assembly with screws provided.



#### POWER ON AND TUNING

- Upon completion of all wiring, apply specified power to the switch.
- Test the switch by waving your hand in front of it. In normal mode, the red LED will illuminate upon switch activation. If switch is configured for fail-safe mode, the red LED will be on when the switch is idle and will extinguish upon a switch activation.
- Adjust the range per the application. Range can be adjusted from approximately 6" to 30".
- Adjust the Reaction Time per the application. It is adjustable from ½ to 1 second and affects the time between an activation and the change in the state of the output relay.
- Perform a final functional test after all adjustments have been made to ensure proper performance per the application.

#### QUALIFIED INSTALLERS

MS Sedco recommends this product only be installed by technicians who are certified inspectors by the American Association of Automatic Door Manufacturers. All installations shall be compliant to applicable nationally recognized performance standards.

#### RMA PROCEDURE

Upon confirmation of a failed product, an RMA form must be filled out online prior to returning the product to MS Sedco. Go To: [www.mssedco.com](http://www.mssedco.com) to access the online RMA form or contact MS Sedco Customer Service.

#### TERMS OF WARRANTY

MS SEDCO guarantees this product to be free from manufacturing defects for three years from the date of shipment from our factory. For full warranty terms, refer to the [www.mssedco.com](http://www.mssedco.com) website.