

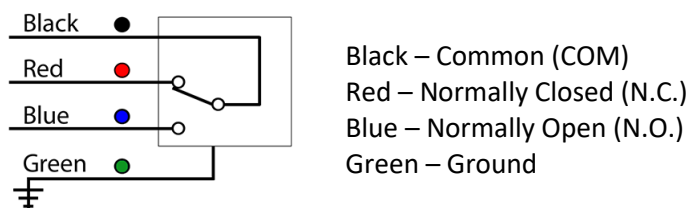
ER Position Switches

SPECIFICATIONS:

Contacts:

Single Pole, Double Throw (SPDT), Form C

Wiring:



Connection:

PVC insulated lead wires
18 AWG
2m (78") lead length
½" NPT conduit connection

Electrical Ratings:

3A @ 24V DC
4A @ 110V AC
2A @ 230V AC

Operating Temperature:

-40°C to 105°C (-40°F to 221°F)

Sensing Range:

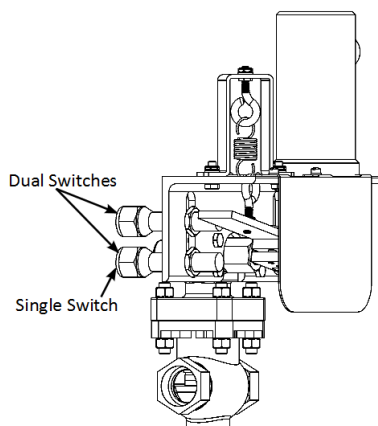
Approximately 0.10 inches

Certifications:

General Purpose	UL Ordinary Location
Explosion Proof	UL1203 / CSA C22.2 25 & 30 Class I, Div 1 & 2, Groups A, B, C, & D Class II, Div 1 & 2, Groups E, F, & G T6

OPTIONS:

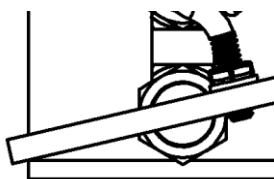
Option Code	Switch Qty	Indication	Certification
S	1	Energized Position	General Purpose
X	1	Energized Position	Explosion Proof
M	2	Open and Closed Positions	General Purpose
Y	2	Open and Closed Positions	Explosion Proof



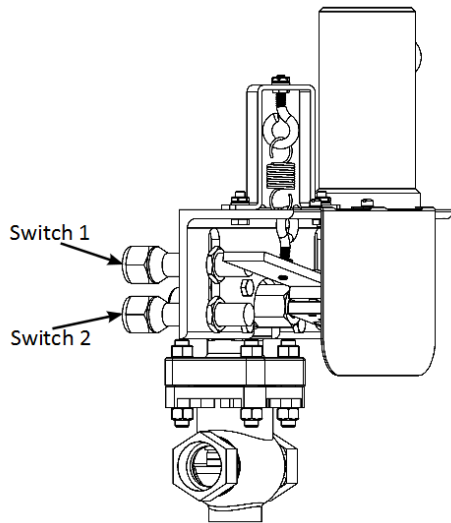
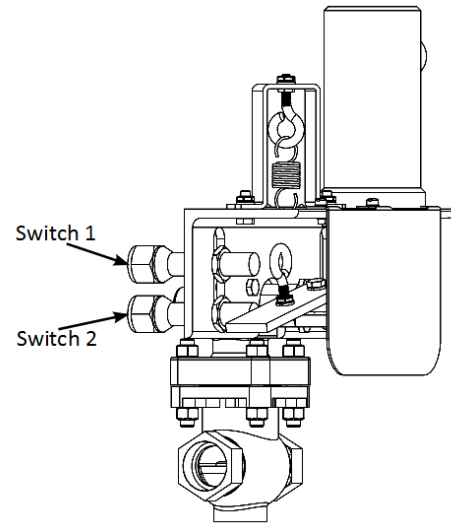
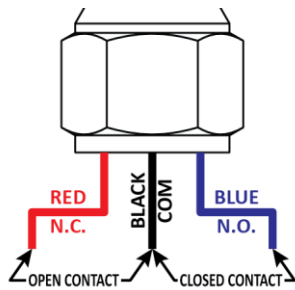
Single vs. Dual Switch Example: ER15, Energize to Open

The single switch options S and X use one switch to indicate whether the valve is in its energized state or not. In the example above, a single switch on a valve that opens when energized would indicate when the valve is open or not open. It would not indicate when the valve is closed.

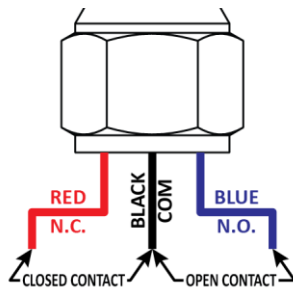
The dual switch options M and Y use two switches to indicate both open and closed positions for the valve. One switch will indicate whether the valve is open or not open and the other switch will indicate if the valve is closed or not closed.

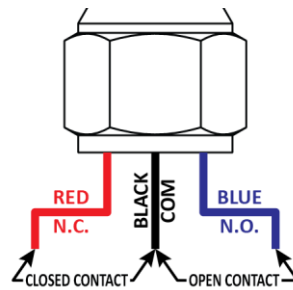
SWITCH INDICATION:


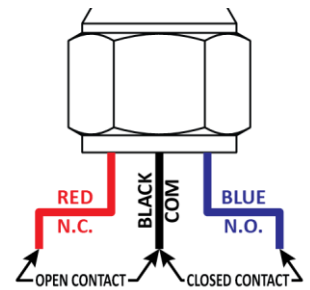
For a switch to indicate properly, the lever should be aligned with the center of the switch as shown above. The lever cannot be further away than the sensing range of approximately 0.10".

EXAMPLE: ER15, ENERGIZE TO OPEN
De-Energized State (Valve Closed)

Energized State (Valve Open)

Switch 1


Indicates valve is closed.

Switch 2

Indicates valve is not
open.

Switch 1

Indicates valve is not
closed.

Switch 2


Indicates valve is open.