



Data Sheet 2.48

Issue A



Post Indicator Supervisory Switch Fig. RDPIBV2

General Description

The RDPIBV2 supervisory switch monitors the open position of post indicator. Switch should be mounted so as not to interfere with the normal operation of the valve and adjusted to operate within two revolutions of the valve control. The mechanism is contained in a weatherproof die cast metal housing, which provides a side entrance for 1/2" conduit and incorporates a 1/2" NPT nipple for attachment to the body. A grounding provision is provided. The switch assembly includes two switches each with a rated capacity of 10 Amp @ 125/250V AC and 2.5 Amp @ 24V DC. The cover contains tamper-resistant screws for which a security wrench is provided with each switch.

Features

- NEMA 3R rated enclosure.
- Bi-directional actuator.
- Easy single side conduit entry.
- Adjustable length actuator with breakaway feature.
- Built to accommodate up to 2mm (12 AWG) wire.
- Two sets of SPDT contacts enclosed in a durable terminal block.
- 100 percent synchronization activates alarm panel and local bell simultaneously.
- Operating temperature range -40°C to 49°C (-40°F to 120°F).
- Tamper resistant cover screws.

Specifications

Overall Switch Dimensions	108mm × 89mm × 82mm (4 1/4" H × 3 1/2" W × 3 1/4" D)
Shipping Weight	0.9 kg (2 lbs.)
Operating Temperature Range	-40°C to 49°C (-40°F to 120°F)
Maximum Stem Extension	80 mm (3 1/32")
Mounting	1/2" NPT nipple
Conduit Entrances	One single side open for 1/2" conduit
Contact Ratings	Two sets of SPDT (Form C) 10.0 A @ 125/250V AC; 2.5 @ 6/12/24V DC
Enclosure Rating	UL indoor/outdoor NEMA 3R when mounted with the actuator vertical
Service Use	Automatic Sprinkler: NFPA 13 One or Two Family Dwelling: NFPA 13D Residential Occupancies up to 4 stories: NFPA 13R National Fire Alarm code: NFPA 72



Robust Construction: The RDPIBV2's rugged housing is intended for indoor and outdoor use. When installed with the actuator in the vertical position, the RDPIBV2 is NEMA 3R rated per UL.

Application Flexibility: The RDPIBV2 features a flexible design, which accommodates post indicator, butterfly, and many other types of wall post, recessed wall post and pressure reducing valves. The RDPIBV2's unique bi-directional actuator allows the unit to be installed in either rising or falling flag installations.

Simplified Installation: Installation is made easier with the RDPIBV2's single side conduit entrance. By providing a direct conduit pathway to the electrical source, right angle fittings are not required. Installation is further simplified by the RDPIBV2's adjustable length actuator with a convenient breakaway feature for installation on shorter valves. This eliminates the need for cutting the shaft.

Consistent Performance: The RDPIBV2 has 100 percent synchronization which activates the alarm panel and local bell simultaneously. In addition, the switch is designed to operate in temperatures ranging from -40°C to 49°C (-40°F to 120°F). The RDPIBV2 is equipped with tamper resistant cover screws to prevent unauthorized entry. Inside, two sets of SPDT (Form C) synchronized switches are enclosed in a durable terminal block to assure reliable performance.

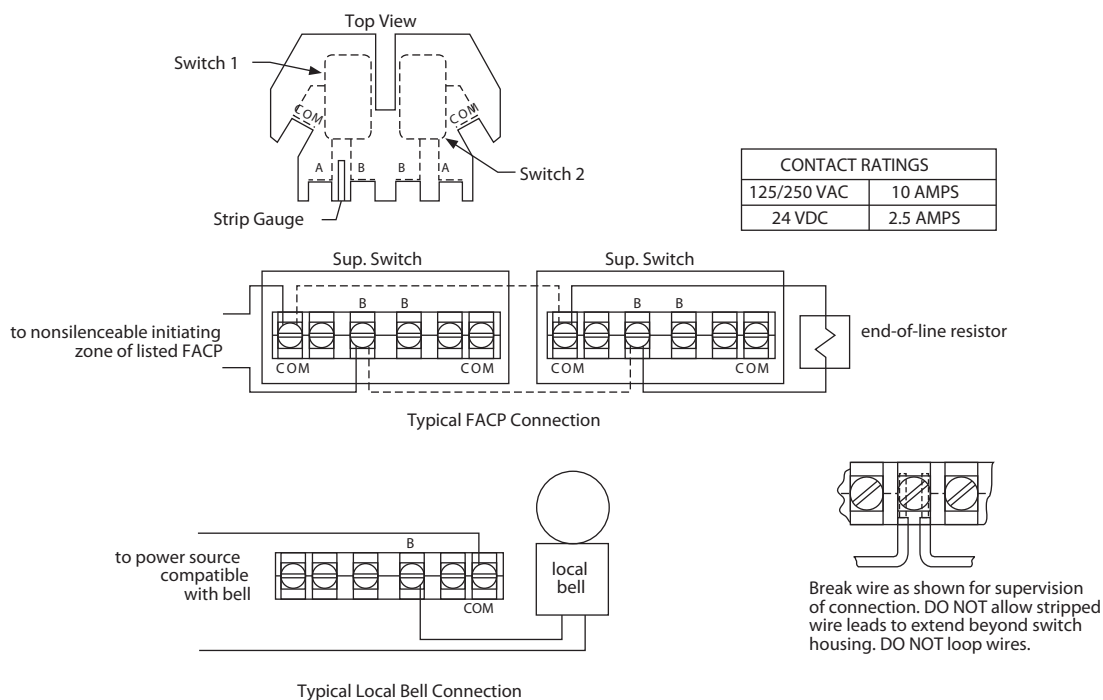


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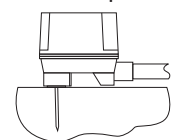
Post Indicator Supervisory Switch Fig. RDPIBV2

Electrical connection

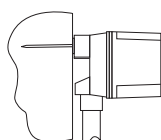


Installation

The following are examples of acceptable mounting positions:

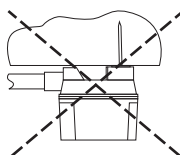


Actuator Vertical (Down)



Actuator Horizontal

The following mounting position is not acceptable:



Actuator Vertical
(Pointing Up)

Actuating Arm Breakaway Feature:

