



# Data Sheet 2.49

## Issue A



## Special Purpose Supervisory Switch Fig. RDPSP1

### General Description

Model RDPSP1 plug-in supervisory switch is a special application device to be used where no other approved or listed method of protection is available or practical. When installed on a handwheel operated valve, turning the valve wheel will pull the plug out of the jack and close a set of normally open contacts. A lockout will prevent reinsertion and will require removal of the cover. Tamper-proof screws are provided for the cover. Removal of the cover, cutting of the cord, or ground faults will cause an open circuit. The device should be wired to the trouble circuit of a fire alarm control panel. The RDPSP1 is capable of operating on Class A or Class B circuits.

### Features

- Monitors gate, butterfly, ball, globe, and angle valves
- NEMA 3 rated enclosures
- 360° mounting design provides greater installation flexibility
- Adjustable length supervisory cord
- Lockout feature ensures alarm signal integrity
- Cover tamper switch factory installed
- Tamper-resistant cover screws

**Application Flexibility:** The RDPSP1 is to be used on gate, butterfly, ball, globe and angle valves. The unit is approved for Class A and Class B circuits.

**Robust Construction:** The RDPSP1 consists of a rugged rain tight metal housing. With its NEMA 3 rated housing and water-resistant cord, the RDPSP1 may be used in either indoor or outdoor applications.

**Simplified Operation:** The RDPSP1 features a 360° versatile mounting design and an adjustable length cord which allow more freedom to install the unit at the most desirable alignment angle.

**Consistent Performance:** The RDPSP1 employs a supervisory cord which, when pulled out, closes a set of normally open contacts. A lockout feature prevents reinsertion of the cord until the cover is removed, and the unit is reset. Removal of the cover or cutting of the cord results in an open circuit.

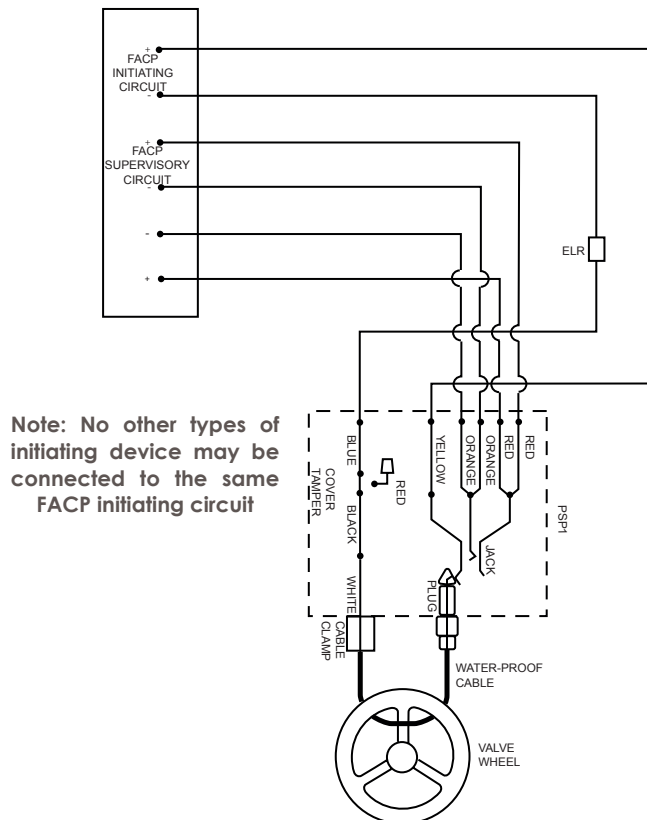


### Specification

Dimensions (mm)	120 (215 with bracket) × 75 × 56
Dimensions (inch)	4¾ (8½ with bracket) × 3 × 2½
Shipping Weight	0.8 kg (1.7 lbs.)
Operating Temperature Range	-20°C to 65°C (-4°F to 149°F)
Enclosure Rating	NEMA 3 UL Indoor/Outdoor Rated
Cable	2 wire, 18 gauge waterproof, 2.4 m long (8 feet)
Operating Voltage	6/12/24V AC/DC
Maximum Operating Current	250 mA

### Special Purpose Supervisory Switch Fig. RDPSP1

RDPSP1 Wiring: Single Device Class A



RDPSP1 Wiring: Single Device Class B

