



# National Fire Equipment Ltd.

## PSP1A Plug-in Special Purpose Supervisory Switch

*System Sensor's PSP1A plug-in switch is a special application supervisory switch designed for applications where no other type of listed valve supervisory switch can be used.*



### Features

- Monitors non-rising stem gate and ball 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 PSP1A is to be used on non-rising stem gate valves and ball and angle valves. The unit is approved for Class A and Class B circuits.

**Robust Construction.** The PSP1A consists of a rugged rain tight metal housing. With its NEMA 3 rated housing and water-resistant cord, the PSP1A may be used in either indoor or outdoor applications.

**Simplified Operation.** The PSP1A 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.

**Reliable Performance.** The PSP1A 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.

### Agency Listings



National Fire  
Equipment Ltd.

TORONTO: (905) 761-6355  
Toll Free: (800) 267-8508

OTTAWA: (613) 723-6071

VANCOUVER: (604) 420-1131  
Toll Free: (800)-667-2138

BURNABY: (604)-299-4498

EDMONTON: (780) 455-3870  
Toll Free: (888)-891-1008

CALGARY: (403) 236-5661

MONCTON: (506) 859-7277  
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## PSP1A Specifications

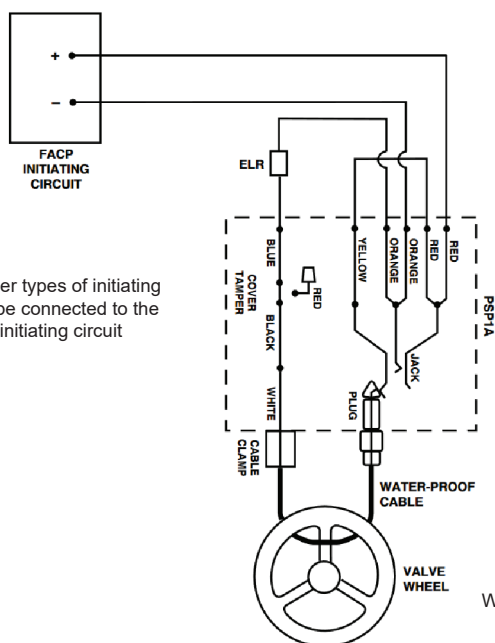
### Architectural/Engineering Specifications

Model shall be a model number PSP1A special purpose supervisory switch as manufactured by System Sensor. The unit is not intended or designed for ordinary usage. It is a special application device to be used for unusual conditions where no other approved or listed method of protection is available or practical, such as non-rising stem gate valves. When installed on a non-rising stem gate 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 PSP1A shall be capable of operating on Class A or Class B circuits. The PSP1A shall be NEMA 3 rated for indoor/outdoor use and shall have an operating temperature range of -20°C to 65°C (-4°F to 149°F). The PSP1A shall be listed by ULC.

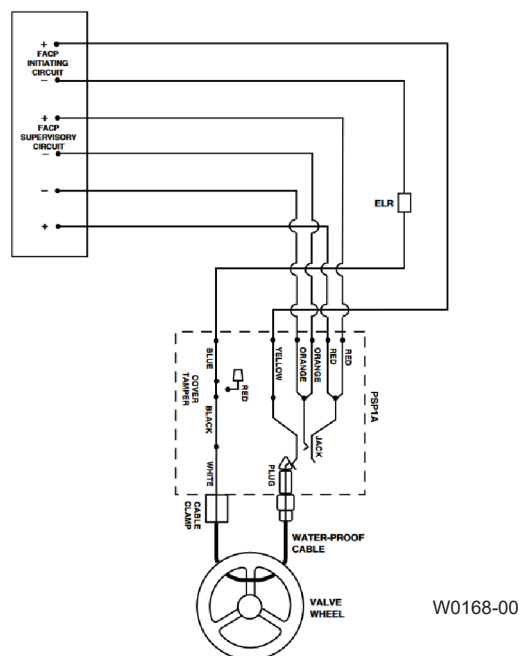
#### Physical/Electrical Specifications

Dimensions	4¼" L x 3" W x 2½" D (12 cm x 7.5 cm x 5.6 cm)
Dimensions with Bracket	8½" L (21.5 cm)
Shipping Weight	1.7 lbs. (0.8 kg)
Operating Temperature Range	-20°C to 65°C (-4°F to 149°F)
Enclosure Rating	NEMA 3 UL Indoor/Outdoor Rated
Cover Tamper Switch	Standard
Cable	2 wire, 18 gauge waterproof, 8 feet long (2.4 m)
Operating Voltage	6/12/24V AC/DC
Maximum Operating Current	250 mA
Warranty	3 years
U.S. Patent Number	6,037,867

### PSP1A Wiring: Single Device Class B



Note: No other types of initiating device may be connected to the same FACP initiating circuit



#### Ordering Information

Ordering Information	Ordering Information
7051200	Plug-in Special Purpose Supervisory Switch (ULC model)



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