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PRESSURE SWITCH PRS10

The PRS10 pressure switch is used for the detection of a water-pressure in fire sprinkler piping systems. The switch can be used in the full range of our wet alarm valves 2" up to 12".

Characteristics

- All parts have corrosion resistant finishes.
- Indoor and outdoor use.
- One Conduit Entrance ½" npt male.
- PRS10/2 is a two SPDT contacts model (Single pole, double throw).
- Tamper resistant cover screws (tool included).
- Protection class : IP66.
- UL / ULC Listed and FM Approved.

Working temperature

- -40° to +60 °C.

Pressure range

- 0,27-1,38 bar (4-20 PSI).

Factory settings

- 0,27-0,55 bar (4-8 PSI) .

Differential

- 0,21 bar (3 PSI).

Material specifications

- Aluminum die cast cover, red painted.
- Zinc plated steel base.
- SPDT with the folowing ratings:
  - 10 Amps at 125/250 VA.
  - 2.5 Amps at 30VDC.
  - PRS10/1 contains one SPDT.
  - PRS10/2 contains two SPDT.

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Dimensions

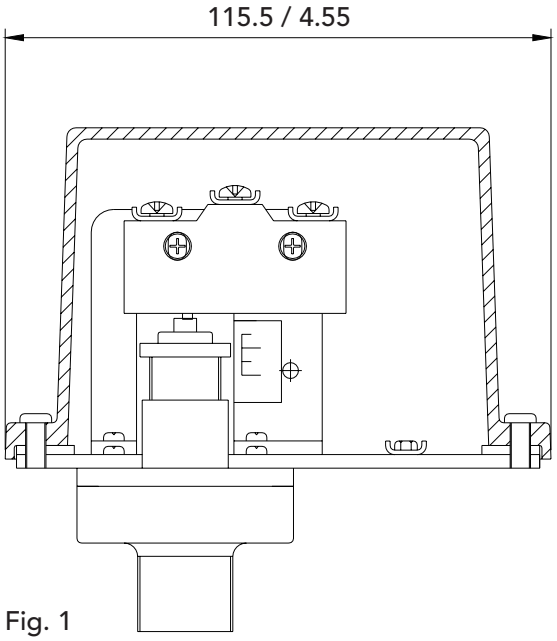
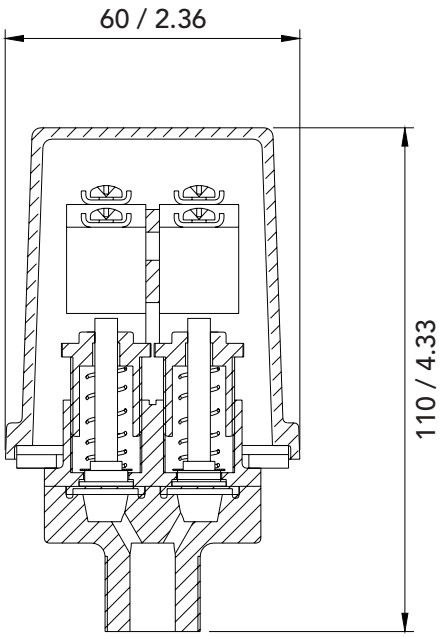


Fig. 1



PRS10/2

Installation instructions

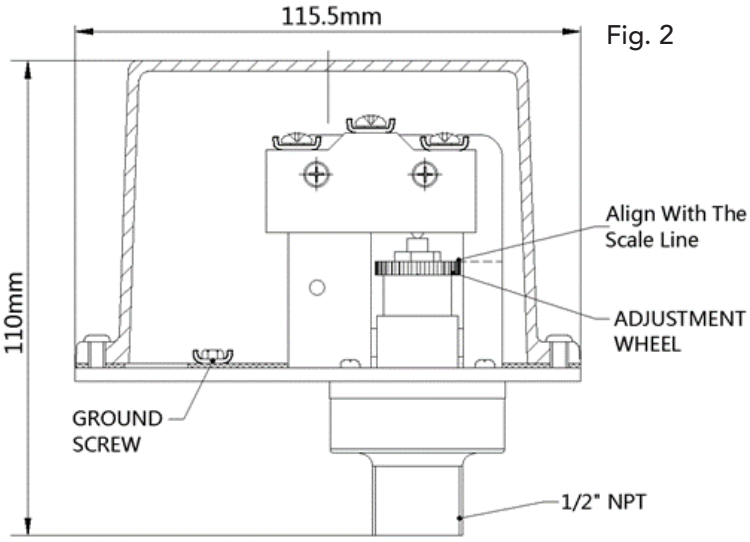


Fig. 2

1. The device should be mounted in the upright position. Locate it where vibration, shock, and mechanical loading are minimal. The overall dimensions see Fig. 2.
2. Mount the device directly to the line via the 1/2" NPT pressure connection. The use of Teflon pipe sealant tape is recommended. Be sure the fitting is tight enough to prevent leaks.
3. Tighten the device using a wrench on the flats of the device.

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Typical Electrical Connections

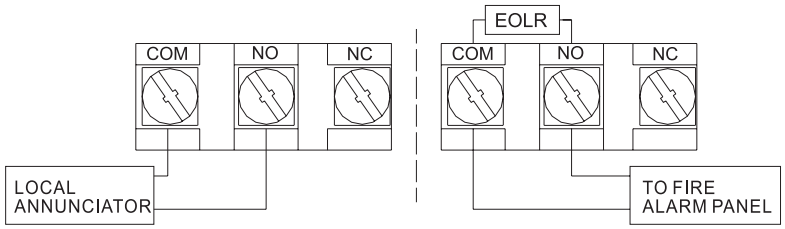


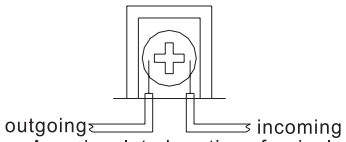
Fig. 3

Wiring instructions

Remove the tamper resistant screw with the special key. (Removal key is enclosed with pressure switch).

Run wires through an approved conduit connector and fix the connector to the device.

Connect the wires to the appropriate terminal connections for the service intended (see Fig. 3).



An uninsulated section of a single conductor should not be looped around the terminal and serve as two separate connections

Note

The assembly is not field replaceable. Do not attempt to disassemble these parts. Carefully consider the following factors when specifying and installing Pressure Switches. Always refer to the Installation Instruction for specific recommendations on individual devices before installing the unit.

Electrical ratings stated in literature and on nameplates should not be exceeded.

Overload on switch can cause failure on the first cycle. Always wire devices according to national and local electrical codes.

Install units away from shock and vibration. Proper electrical fittings should be used to prevent moisture from entering the enclosure via the conduit.

Test all devices for proper operation after initial installation. Perform preventive maintenance and periodic testing.

Do not tighten by grasping the switch enclosure. Use wrenching flats on the bushing only.

Do not mount unit where ambient temperatures will exceed published limits.

Avoid impact or mechanical loading.

CAUTION!

Do not use in potentially explosive atmospheres. Do not leave unused wires exposed.