



BLAZE



Pressure Switch

Model : BT-EPS-010

Description:

BLAZE Pressure Switch is Engineered for uncompromising reliability, this high-precision pressure switch provides rapid alarm activation and accurate monitoring for critical fire protection systems. Built with a rugged, weatherproof NEMA 4 enclosure, it ensures flawless performance in both harsh indoor and outdoor environments. Fully certified to meet the stringent life safety requirements of NFPA 13, 13D, 13R, and the NFPA 72 National Fire Alarm Code. It is the industry-standard choice for Alarm Valve, Dry Pipe Valve, Deluge, or Pre-action Sprinkler Systems where property and life safety are non-negotiable.

The Pressure Switch is designed for installation on fire protection valve trim to detect a rise in system pressure. It is fitted with a ½ in. NPT male connection and is suitable for connection to the alarm outlet of wet pipe, dry pipe, pre-action and deluge valves.

The switch operates when the alarm line pressure rises to 5–7 psi and is available with one or two SPDT contacts for alarm and supervisory circuits.

Specifications :

Maximum System Pressure	300 PSI (2.07 MPa)
Factory Setting	Operates at rising pressure 5 to 7 psi
Differential	Approximately 3 psi @ 10 psi, 6 psi @ 100 psi
Maximum Adjustment Pressure Range	4 to 20 psi
Contact Ratings	BT-EPS-010-1: One set SPDT (Form C) BT-EPS-010-2: Two sets of SPDT (Form C) 10.1 Amps at 125/250 VAC 2.0 Amps at 24 VDC
Operating Temperature Range:	-40 °F to 160 °F (-40 °C to 71°C)
Cover Material	Aluminum Die-Casting.
Approval	FM 3132 Approved



Warning :

- Installation must be carried out by qualified personnel in accordance with all applicable national and local codes and regulations.
- Warning: Disconnect the power supply before carrying out any installation or maintenance work. Failure to do so may result in serious injury or death.
- Do not install or use this product in hazardous or explosive atmospheres. Failure to follow this instruction may result in serious injury or death.

Installation :

1. Install the Pressure Switch on the alarm outlet connection of the valve trim.
2. Apply PTFE tape to the male threaded connection before installation.

Note: Do not use pipe joint compound or pipe dope on the threaded connection.

3. Tighten the switch securely without over-tightening.
4. Complete all electrical wiring in accordance with the applicable wiring diagram and local electrical regulations.

Inspection and Testing :

Inspect and test the Pressure Switch in accordance with NFPA standards and the requirements of the Authority Having Jurisdiction (AHJ).

The manufacturer recommends testing at least every three months to ensure reliable operation.

Model and Size:

Model	Description	Weight (Kg)
BT-EPS-010-1	One set SPDT contacts	0.5
BT-EPS-010-2	Two sets SPDT contacts	0.5

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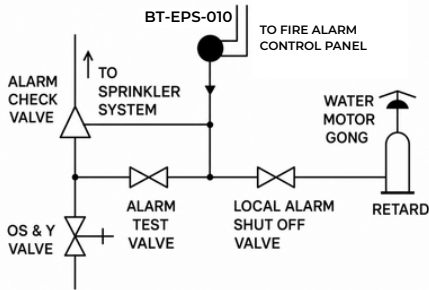
BLAZE



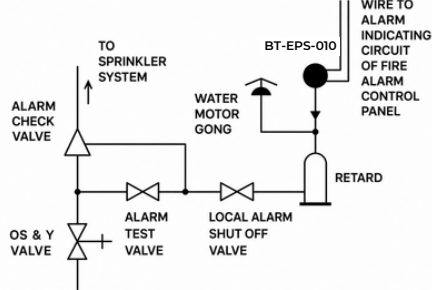
Pressure Switch

Model : BT-EPS-010

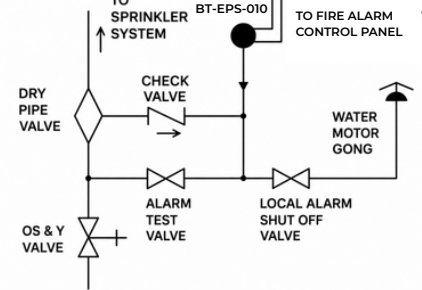
Typical Sprinkler Applications :



WET SYSTEM

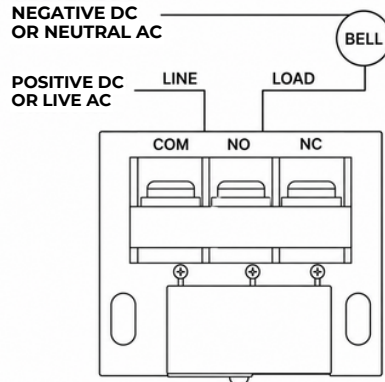
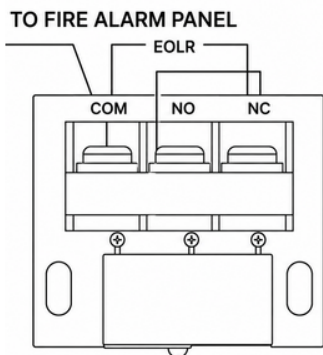


WET SYSTEM

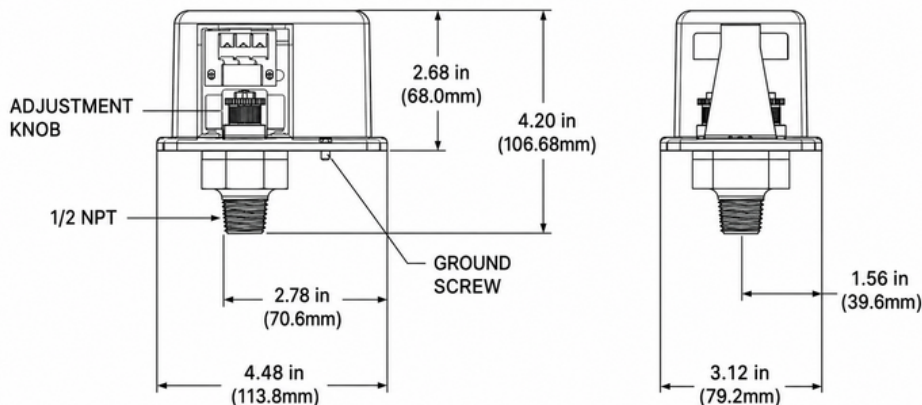


DRY SYSTEM

Field Typical Electrical Connections:



Mounting Dimensions :



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