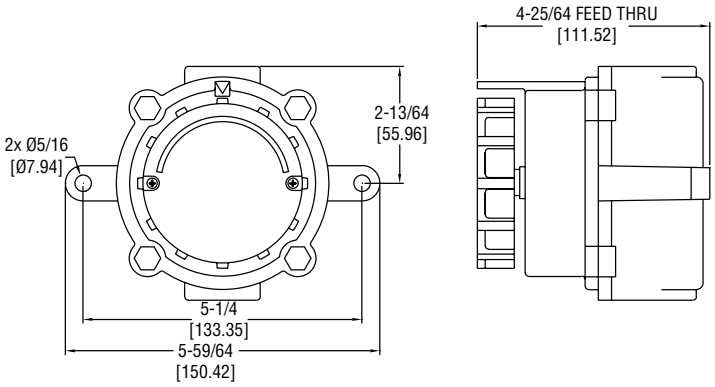
Explosion Proof Thermostat

Specifications - Installation and Operating Instructions





FEATURES

- Explosion-proof enclosure
- No exposed copper or brass
- Compact and lightweight
- CFC & mercury free
- Precision die-cast components
- Bimetal sensing element
- Corrosion resistant suitable for H2S environments
- Fast acting, reliable, unaffected by altitude

Explosion-proof, heavy duty, the Thermostat is designed for hazardous-location temperature control. It is the most dependable, smallest, lightest and most durable thermostat available. The EXP-TSTAT is designed to control heating, cooling, or ventilation systems and features an adjustable set point knob for easy and convenient set point adjustment. The thermostat incorporates reliable snap action switch operation in SPDT configuration rated to 120/240V AC max.

APPLICATIONS

Oil refineries, petrochemical plants, pulp and paper mills, coal mines, grain elevators, hazardous waste water storage facilities, other hazardous locations where specific explosion gases or dusts are present.

INSTALLATION

CAUTION: Electrician must have experience with Hazardous Location equipment. Disconnect and lock off power supply before wiring or servicing. All wiring must comply with local codes and ordinances.

1. Mount thermostat approximately 5 ft (1.5 m) above the floor where average room temperature will be sensed and air circulates freely. Keep thermostat away form hot and cold surfaces.

2. Wire switch terminals as per Fig. 1 or 2.

3. Install the cover using the 4 bolts supplied and tighten.

4. Fill any conduit opening using plug supplied.

5. Mate cord cap with compatible receptacle outputting correct voltage. ***Check product label for correct voltage!***

SPECIFICATIONS

Service: Compatible gases.
Temperature Limit: -49 to 176°F (-45 to 80°C).
Electrical Rating: Explosion-proof NEMA 7 & 9, Class I, Divisions 1 & 2, Groups C & D, Class II, Division 1, Groups E, F & G; Class II, Division 2, Groups F & G; Class III; Class I, Zones 1 & 2, Groups IIA & IIB.
Switch Type: SPDT snap action switch.
Electrical Rating: 1/2 HP @ 125 VAC, 1 HP @ 250 VAC.
Electrical Connection: Screw terminal.
Conduit Connection: 3/4" female NPT.
Set Point Adjustment: External knob.
Adjustment Range: 36 to 82°F (2 to 28°C).
Deadband: 2.5°F (1.5°C).
Weight: 2.1 lb (0.95 kg).

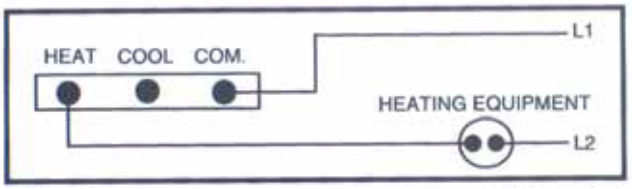


Fig. 1 **Heating**

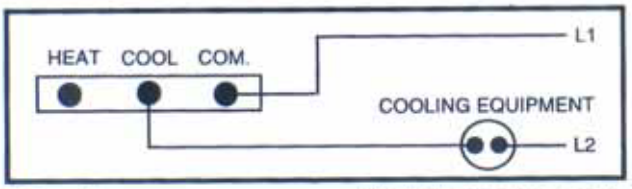


Fig. 2 **Cooling**

MAINTENANCE

The Series Thermostat is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

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