

Explosion Proof Thermostat - C1D1, C2D1 - Mercury Free - Corrosion Resistant
EXP-TSTAT-120.480-86F

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



EXP-TSTAT-120.480-86F Explosion Proof Thermostat

Unit Type: Explosion Proof Thermostat

Dimensions: 5.9"- L, 4.3"- D

Weight: 3 lbs

Voltage: 480V AC (Maximum)

HP: 1/2 HP @ 125V AC, 1 HP @ 250V AC

Switch Type: SPDT Snap Action

Temperature Range: -49°F to 176°F (-45°C to 80°C)

Adjustment Range: 36°F to 82°F (2°C to 28°C)

Deadband: 2.5°F (1.5°C)

Materials: Precision Die-Cast Components

Mounting: Wall or Surface

Electrical Connection: Screw Terminal

Conduit Connection: 3/4" Female NPT

Features/Ratings

Class I, Divisions 1 & 2 Groups C & D

Class I, Zones 1 & 2 Groups IIA & IIB

Class II, Division 1 Groups E, F & G

Class II, Division 2 Groups F & G

Class III

NEMA 7, 9

CFC and Mercury Free

Corrosion Resistant

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics EXP-TSTAT-120.480-86F explosion proof thermostat is designed for temperature control in industrial facilities where flammable gases, vapors or dust are or may be present. This device is adjustable using a set point knob system, which is powered by an SPDT snap action switch. The unit features a temperature limit range of -49°F to 176°F (-45°C to 80°C) and is rated at 480V AC (maximum).

The EXP-TSTAT-120.480-86F offers accurate temperature control for heating, cooling and ventilation systems in hazardous locations. Featuring an SPDT snap action switch, this unit is rated at 480V AC (maximum). Operators may use an adjustable set point knob to configure the explosion proof thermostat, at a range of 36°F and 82°F (2°C to 28°C). The device is constructed of precision die-cast and corrosion resistant components for durability. To ensure safety, the unit does not contain any exposed copper or brass and mercury.

When mounting the explosion proof thermostat inside the hazardous location, the unit must be positioned five feet above the floor. This improves the accuracy of temperature readings and reduces the possibility of false calculations due to the presence of nearby hot or cold elements. Operators may mount the device to walls or compatible surfaces using four cover bolts.

Applications: Petroleum refineries, chemical and petrochemical plants, storage areas, agricultural sites, grain processing centers and other facilities where

hazardous substances are handled or stored.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.



Frequently Asked Questions (FAQ)







Warranty: 3 Months

Links (Click on the below items to view):

- [Operations Manual](#)
- [SpecSheetSpanish](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)