

**Explosion Proof Thermostat - C1D1, C2D1 - Mercury Free - Corrosion Resistant - 24VDC Input  
EXP-TSTAT-120.480-86F-AXC.1.24V**

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



**EXP-TSTAT-120.480-86F-AXC.1.24V 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)

**Auxillary Contact:** 24V DC

**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

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**The Larson Electronics EXP-TSTAT-120.480-86F-AXC.1.24V 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). An auxillary contact allows 24V DC input.**

The EXP-TSTAT-120.480-86F-AXC.1.24V 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. This unit includes an auxillary contact that allows for 24V DC input signal.

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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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## Frequently Asked Questions (FAQ)







Links (Click on the below items to view):

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