

EXP-PTM.5K-2W

Explosion Proof Rotary Potentiometer - Class I, II, III - 5k OHM Resistance - 2W @ 30V DC

Product ID: 268960

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



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EXP-PTM.5K-2W Explosion Proof Potentiometer

Listing: United States & Canada

Unit Type: Explosion Proof Rotary Potentiometer

Dimensions: 5.88" L x 3" W x 2.25" D

Voltage: 30V DC

Watts: 2

Configuration: Front Mounted Rotary Switch

Resistance: 5k ohm Resistance

Ambient Temp Range: -20°C to +65°C

Unit Materials: Copper-free Cast Aluminum

Mounting: External Mounting Lugs on Body

Hub Quantity: (2) Feed Through or (1) Dead End

Hub Size: 1/2" or 3/4"

Ratings/Approvals

Class I Divisions 1 & 2 Groups C & D

Class II Divisions 1 & 2 Groups E, F, G

Class III, Divisions 1 & 2

NEMA 7, Groups C & D

NEMA 9, Groups E, F & G

Special Orders - Special Requirements

Contact us for special requirements

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Made in Texas

The Larson Electronics EXP-PTM.5K-2W Explosion Proof Rotary Potentiometer is designed for use in Class I Division 1 & 2 Groups C & D, Class II Division 1 & 2 Groups E, F and G and Class III facilities. This unit features 5k ohm resistance and is rated 2 watts @ 30V DC. Constructed of copper-free aluminum, the variable resistor device can be used for voltage measurement, volume control, radio control, adjustable voltage divider or as a rheostat.

The EXP-PTM.5K-2W is ideal for operators seeking a high quality explosion proof

potentiometer rated for use in hazardous areas under Class I Division 1 & Class 2 Groups C & D, Class II Division 1 & 2 Groups E, F and G and Class III environments. This unit is rated at 2 watts, operating at 30V DC. During use, the device provides 5k ohm resistance. In automotive controls, potentiometers are used to support vehicle steering systems.

As a manually adjustable variable resistor, the unit can be used as a voltage divider (3 pins) or rheostat (2 pins). Operators may utilize the device to measure the potential of an electric voltage. Additionally, the EXP-PTM.5K-2W can serve as controls (volume, joystick and etc) for various equipment inside combustible sites. This unit is constructed of copper-free cast aluminum for superior performance and durability. These explosion proof potentiometers are not factory sealed and require external sealing fittings. This unit is suitable for use in environments where combustible dusts and particulates may be present as well as any other hazardous locations.

The EXP-PTM.5K-2W can be easily wall mounted via integral mounting tabs at two corners of the housing. Two external mounting lugs provide simple and secure mounting to walls and flat surfaces. This unit is available with either 1/2" or 3/4" NPT tapped hubs. The conduit openings are provided on the top and bottom of the unit in feed through versions while dead end versions have a single conduit hub, providing easy and secure connection to main power line supplies.

Suggested Applications: Manufacturing, Industrial, Warehouse, Lighting, Lighting, Wet areas or Locations Where Combustible Dust is Present.

Frequently Asked Questions (FAQ)









EXP-PTM.5K-2W

Product ID: 268960

Export Control Classification Number (ECCN): EAR99

Options:

EXP-PTM.5K-2W-**Hub Config**-**Configuration**

Example: EXP-PTM.5K-2W-0.5IN-FT

Hub Config		Configuration	
1/2 INCH	-0.5IN	FEED-THRU	-FT
3/4 INCH	-0.75IN	DEAD-END	-DE

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [Operations Manual](#)
- [SpecSheetSpanish](#)
- [STEP File \(3D CAD Model\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)