

EPS-PB10-SP0001

Explosion Proof Device Box for EPS-PB10 Push Button Switches - Class I, II & III Divisions 1 & 2

Product ID: 151076



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.

EPS-PB10-SP0001 Explosion Proof Device Box for EPS-PB10 Push Button Switches

Dimensions: 5-1/4"L x 3-5/8"W x 3-5/16"D

Weight: -

Materials: Copper-free Aluminum Alloy

Mounting: Surface Mount

Hub Sizes: 1/2" or 3/4" NPT

Mounting Tabs: 2

Mounting Tab Locations: One on Both Top and Bottom

Features/Ratings

Class I Division 1 & 2 Groups C & D

Class I Zones 1 & 2 Groups IIB & IIA

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

Class III, Divisions 1 & 2

NEMA 7 (C, D) 9 (E, F, G)

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

The Larson Electronics EPS-PB10-SP0001 is an explosion proof device box that provides explosion proof protection for EPS-PB10 series push button switches used in hazardous locations. This explosion proof box is Class I, Divisions 1 & 2, Groups C, D, Class I Zones 1 & 2, Groups IIB & IIA, Class II, Divisions 1 & 2 Groups E, F & G and Class III Divisions 1 & 2 rated for hazardous locations.

The EPS-PB10-SP0001 explosion proof device box offers protection from explosive hazards and is suitable for use in environments where combustible dusts and particulates may be present. The entire box is constructed of durable copper-free aluminum alloy and can be easily mounted via the surface mounting tabs found at two corners of the box. Operators can choose between two hub sizes, 1/2" or 3/4" and either a feed through or dead end configuration.

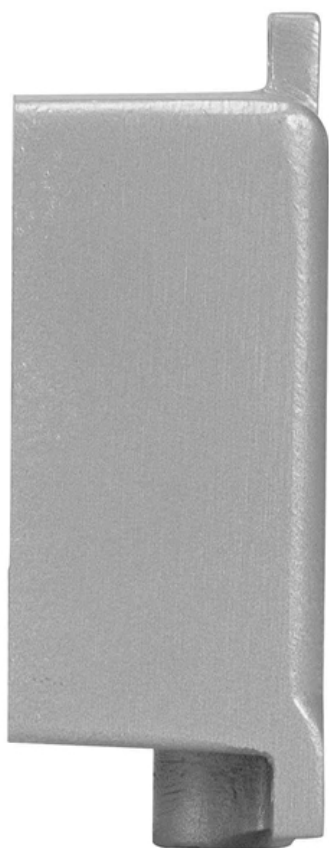
A ground flange mates the cover to the device box for a tight seal. An internal ground screw provides operators a way to attach any grounding wire to the box for protection against electrical charges.

Applications: Petroleum refineries, chemical and petrochemical plants, storage areas, and other processing 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.











Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPS-PB10 Series
Description: Explosion Proof Push Button

Evaluated Listings:

UL: E53360, E12379, E10514 – NEC / United States standards

CSA: LR11712, LR11714, LR11716 – CEC / Canada standards

The EPS-PB10 is certified to NEC, CEC, ATEX, and IEC Ex standards for hazardous locations for:

- NEC: Class I, Divisions 1&2, Groups C, D; Class II, Divisions 1&2, Groups E, F, G
- CEC: Class I, Divisions 1&2, Groups C, D; Class II, Divisions 1&2, Groups E, F, G

The EPS-PB10 is comprised of a Killark SWB, GSC, or BE7 series device enclosure. This device enclosure contains a Killark GO or GZ device operator, custom mounting of the device operator, wire connections, and contact blocks. This assembly is built to NEC and CEC standards for hazardous locations.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Material Safety Data Sheet

To Whom It May Concern,

The Larson Electronics LLC EPS industrial line of explosion proof switches and controls for hazardous locations are considered “ARTICLES” under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS). This document does not expire.

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

- i. Which is formed to a specific shape or design during manufacture;
- ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
- iii. Which under normal conditions does not release more than very small quantities.

The “hazardous location” and “explosion proof” are terminology for the environment where these products will be installed. This is not to be confused with “hazardous materials;” this product does not contain any hazardous materials.

Regards,

Ray Smith
Larson Electronics, LLC.



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPS Series
Description: Explosion Proof Switches

Evaluated Listings:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE

CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The EPS series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC

Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas

Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPS Series
Description: Explosion Proof Switches

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPS Series
Description: Explosion Proof Switches

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union ("EU") Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances ("REACH").

REACH does not apply to manufactured products which are referred to as "completed articles". Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature:

Name: James Thomas
Position: Operations Manager

Frequently Asked Questions (FAQ)