

EPS-PB10-MS-AT-V3

Explosion Proof Push Button Momentary Switch - C1D1, C2D1 - Adjustable Timer - 10 sec-170 Minutes

Product ID: 149527

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



Image: EPS-PB10-MS-AT-V3

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-MS-AT-V3 Explosion Proof Push Button Switch

Unit Type: Explosion Proof Push Button Momentary Switch

Dimensions: -

Weight: -

Voltage: 100-240 VAC/DC 50/60 Hz

Rated Amps: 10 (Rated @ 600VAC)

Timer Range: 10 seconds to 170 minutes in 10 second increments

Repeat Accuracy: $\pm 0.5\%$ or 20ms, Whichever is Greater

Setting Accuracy: $\pm 2\%$ or 20ms, Whichever is Greater

Reset Time: = 150ms

Materials: Malleable Aluminum Body w/ Aluminum Cover

Mounting: Surface

Hub Configurations: Dead End or Feed Thru

Hub Size Options: 1/2" or 3/4" NPT hubs

Termination Options: Normally Open or Normally Closed

Color Options (Buttons): Red, Green or Black

Features/Ratings

Class I, Divisions 1 & 2 Groups C & D

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

Class III

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

Solid-state, Encapsulated Timer

External sealing required within 18"

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

Made in the USA

The Larson Electronics EPS-PB10-MS-AT-V2 Explosion Proof Push Button Momentary Switch is ideal for controlling motors and devices in hazardous locations. This unit comes with an adjustable time delay relay, at a range of 10 seconds - 170 minutes in 10 second increments. Constructed of malleable aluminum, this Class I, Division 1 & 2 and Class II, Division 1 & 2 rated switch features various hub size, termination and color (button) options.

The EPS-PB10-MS-AT-V2 offers adjusted timing control of motors in hazardous locations. This explosion proof switch is designed to operate with 100-240VAC/DC 50/60 Hz and comes with a 10-amp rating (at 600VAC). The unit requires sealing fittings and compound within 18 inches of conduit entrances. A solid-state, encapsulated time delay relay can be found inside the switch, which offers an adjustable timer range of 10 seconds to 170 minutes. When the button is engaged, the circuit stays closed, keeping the connected motor or device running for the set duration (between 10 second - 170 minutes in 1 second increments). The timer component features a repeating accuracy value of +/- 0.5% and a setting accuracy value of +/- 2%.

The explosion proof device is constructed of malleable aluminum with an aluminum cover and an epoxy powder coated finish. The switch is enclosed in a separate sealing chamber and the sealing chamber has smooth, double flanges that mate both to the cover and the mounting enclosure to provide flame tight joints. Operators connect to the switch via an internal terminal strip. The screws consist of stainless steel captive screws and attach the sealing chamber to the cover and mounting enclosure. This unit is offered in dead end or feed thru configurations, with 1/2" or 3/4" NPT hubs. Color options for the button includes red, green or black.

Applications: Petroleum refineries, chemical and petrochemical plants, paint spray booths, food manufacturing buildings, motor control, agricultural sites, wood shops, metal processing and more.

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)

There are no Fags



Image: EPS-PB10-MS-AT-V3

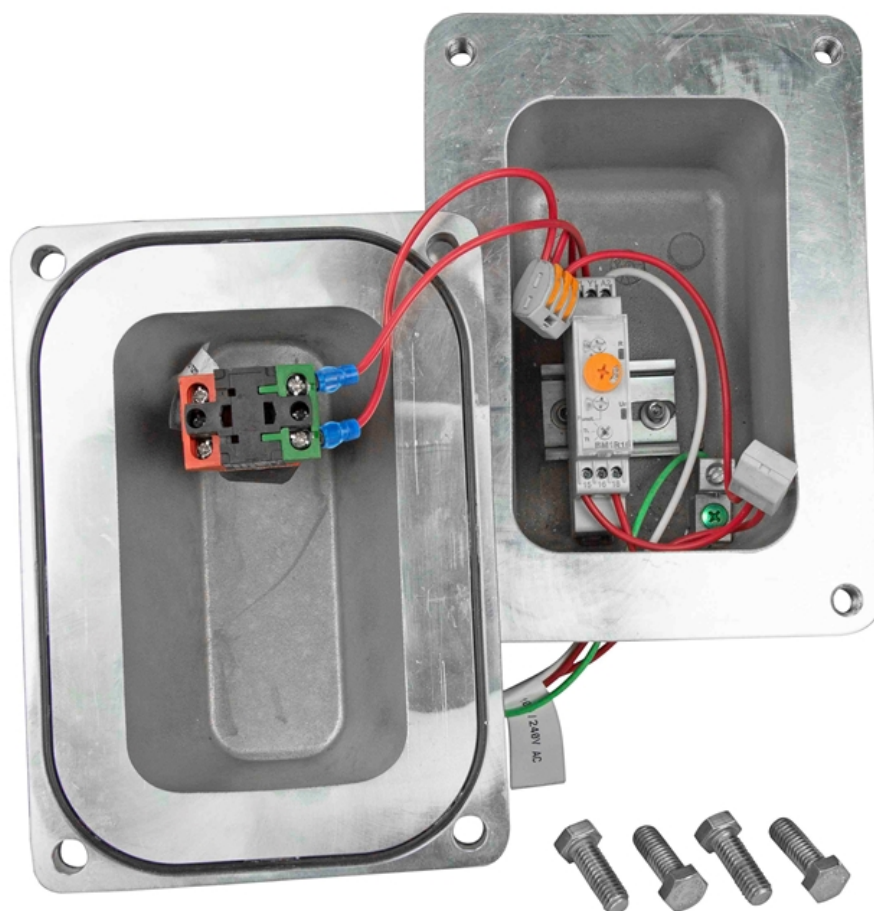


Image: EPS-PB10-MS-AT-V3



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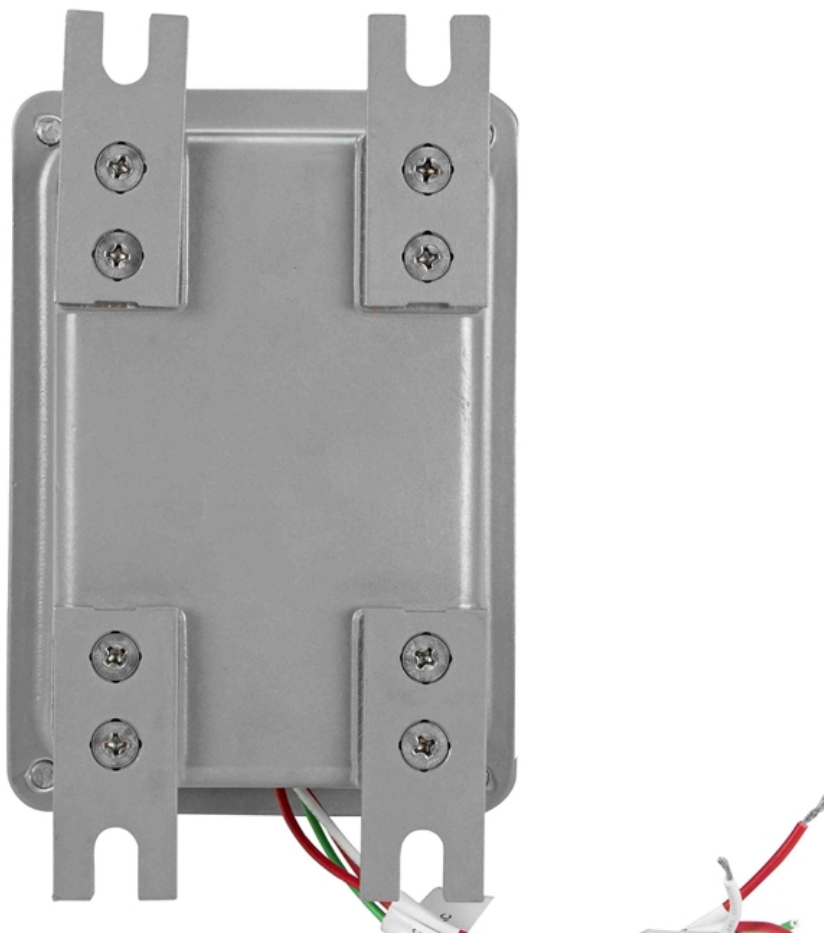


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Product ID: 149527

Export Control Classification Number (ECCN): EAR99

Options:

EPS-PB10-MS-AT-V3-Termination-Contacts-Button Color

Example: EPS-PB10-MS-AT-V3-0.5-DE-NO-RED

Termination	
1/2IN DEAD END	-0.5-DE
3/4IN DEAD END	-0.75-DE
1/2IN FEED THRU	-0.5-FT
3/4IN FEED THRU	-0.75-FT

Contacts	
NORMALLY OPEN	-NO
NORMALLY CLOSED	-NC

Button Color	
RED	-RED
GREEN	-GRN
BLACK	-BLK

Links (Click on the below items to view):

- **CE Certificate**(<https://www.larsonelectronics.com/images/product/CECert/149527.PDF>)
- **Certificate 1, Misc**(<https://www.larsonelectronics.com/images/product/Cert1/149527.PDF>)
- **MSDS (Material Safety Data Sheet)**(<https://www.larsonelectronics.com/images/product/Msds/149527.PDF>)
- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/149527.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)**(<https://www.larsonelectronics.com/images/product/RoHSCert/149527.PDF>)
- **Wiring Diagram**(<https://www.larsonelectronics.com/images/product/WiringDiagram/149527.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/149527.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/149527.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/149527.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/149527.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/149527.JPG>)
- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/149527.JPG>)
- **HigResPic7**(<https://www.larsonelectronics.com/images/product/HigResPic7/149527.JPG>)
- **Video1**(https://www.youtube.com/watch?v=NjKa_n8W6p0)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)