

EPS-PB10-MS-AT-V1

Explosion Proof Push Button Momentary Switch - C1D1, C2D1 - Adjustable Timer - 0.1-102.3 Seconds

Product ID: 148485

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



Image: EPS-PB10-MS-AT-V1

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-V1 Explosion Proof Push Button Switch

Unit Type: Explosion Proof Push Button Momentary Switch

Dimensions: -

Weight: -

Voltage: 100 - 240V AC/DC 50/60 Hz

Rated Amps: 10 (Rated @ 600V AC)

Timer Range: 0.1-102.3 Seconds in 0.1s 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)

Timer Range of 2-30 Seconds

Solid-state, Encapsulated Timer

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPS-PB10-MS-AT-V1 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 0.1-102.3 Seconds in 0.1s 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-V1 offers adjusted timing control of motors in hazardous locations. This explosion proof switch is designed to operate with 100-240V AC/DC 50/60 Hz and comes with a 10-amp rating (at 600V AC). The unit is factory sealed, eliminating the need for adding sealing fittings and compound at each conduit entrance. A solid-state, encapsulated time delay relay can be found inside the switch, which offers an adjustable timer range of 2-30 seconds. When the button is engaged, the circuit stays closed, keeping the connected motor or device running for the set duration (between 0.1-102.3 Seconds in 0.1s 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.

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Frequently Asked Questions (FAQ)

There are no Faqs



Image: EPS-PB10-MS-AT-V1

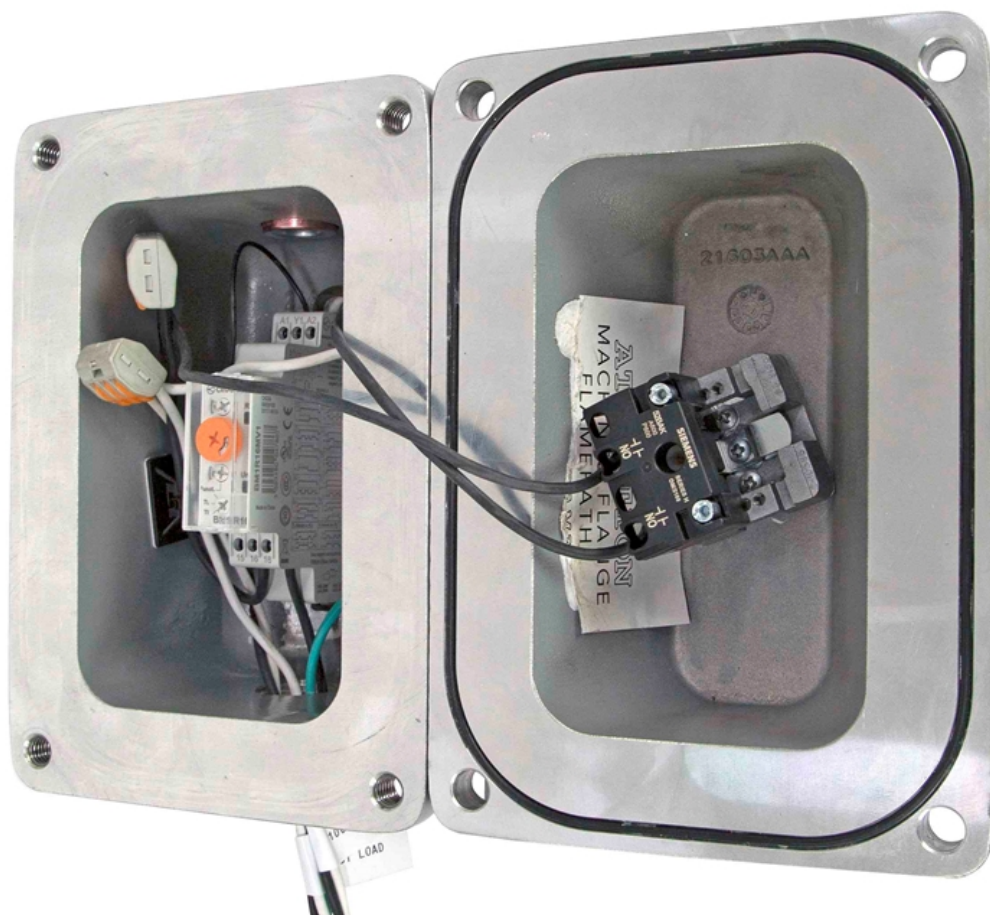


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Product ID: 148485

Export Control Classification Number (ECCN): EAR99

Options:

EPS-PB10-MS-AT-V1-**Termination**-**Contacts**-**Button Color**

Example: EPS-PB10-MS-AT-V1-0.5-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/148485.PDF>)
- **Certificate 1, Misc**(<https://www.larsonelectronics.com/images/product/Cert1/148485.PDF>)
- **MSDS (Material Safety Data Sheet)**(<https://www.larsonelectronics.com/images/product/Msds/148485.PDF>)
- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/148485.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)**(<https://www.larsonelectronics.com/images/product/RoHSCert/148485.PDF>)
- **Wiring Diagram**(<https://www.larsonelectronics.com/images/product/WiringDiagram/148485.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/148485.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/148485.JPG>)
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- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/148485.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/148485.JPG>)
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- **HigResPic9**(<https://www.larsonelectronics.com/images/product/HigResPic9/148485.JPG>)
- **Video1**(https://www.youtube.com/watch?v=NjKa_n8W6p0)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
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