

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

**EPS-PB10-MS-AT-V1**

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



### 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- Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

### **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  $\pm 0.5\%$  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](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)





**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](#)
- [Certificate 1, Misc](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)