

## **EPCS-2XPB.MS-24V-PTM.5K**

### **Explosion Proof Variable Frequency Drive Remote Control Station - C1D1/C2D1 - 5K Ohms - (2) PBs**

**Product ID: 291140**



Image: EPCS-2XPB.MS-24V-PTM.5K

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.

#### **EPCS-2XPB.MS-24V-PTM.5K Explosion Proof VFD Control Station**

**Unit Type:** Variable Frequency Drive Remote Control Station

**Dimensions:** 6.326"-H x 6.601"-W x 4.026"-D

**Weight:** -

**Pushbuttons:** (2) 24V Momentary, Red (Stop), Green (Start)

**Rotary Dial:** 0-10V Input - Speed Control

**Speed Control:** 5k ohm Potentiometer, 0.5W

**Materials:** Non-sparking Aluminum

**Mounting:** Surface Mount

**Hubs:** (1) 3/4" or 1/2" NPT

#### **Ratings**

Class I, Divisions 1 & 2 Groups C,D

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

Class III

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

Certified to USA/Canadian Standards

#### **Special Orders - Special Requirements**

Contact us for special requirements

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

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

**Fax:** 1-903-765-7664

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

The EPCS-2XPB.MS-24V-PTM.5K from Larson Electronics is an Explosion Proof Variable Frequency Drive Remote Control Station for Class I, II and III rated work sites. This explosion proof unit features push buttons for activation and a rotary dial for speed control of the connected VFD. Constructed from non-sparking aluminum, this remote control station contains one 3/4" or 1/2" NPT hub for completing input/output connections.

The EPCS-2XPB.MS-24V-PTM.5K is designed to facilitate remote control for variable frequency drives in flammable environments. This explosion proof unit contains two, 24V push button switches in a momentary configuration (red/stop, green/start). Operators may also access a rotary dial for speed control, which features 0-10 V input. Speed control is provided by a 5k ohm potentiometer. This explosion proof remote control box requires connection to the start, stop and speed control signals of the VFD.

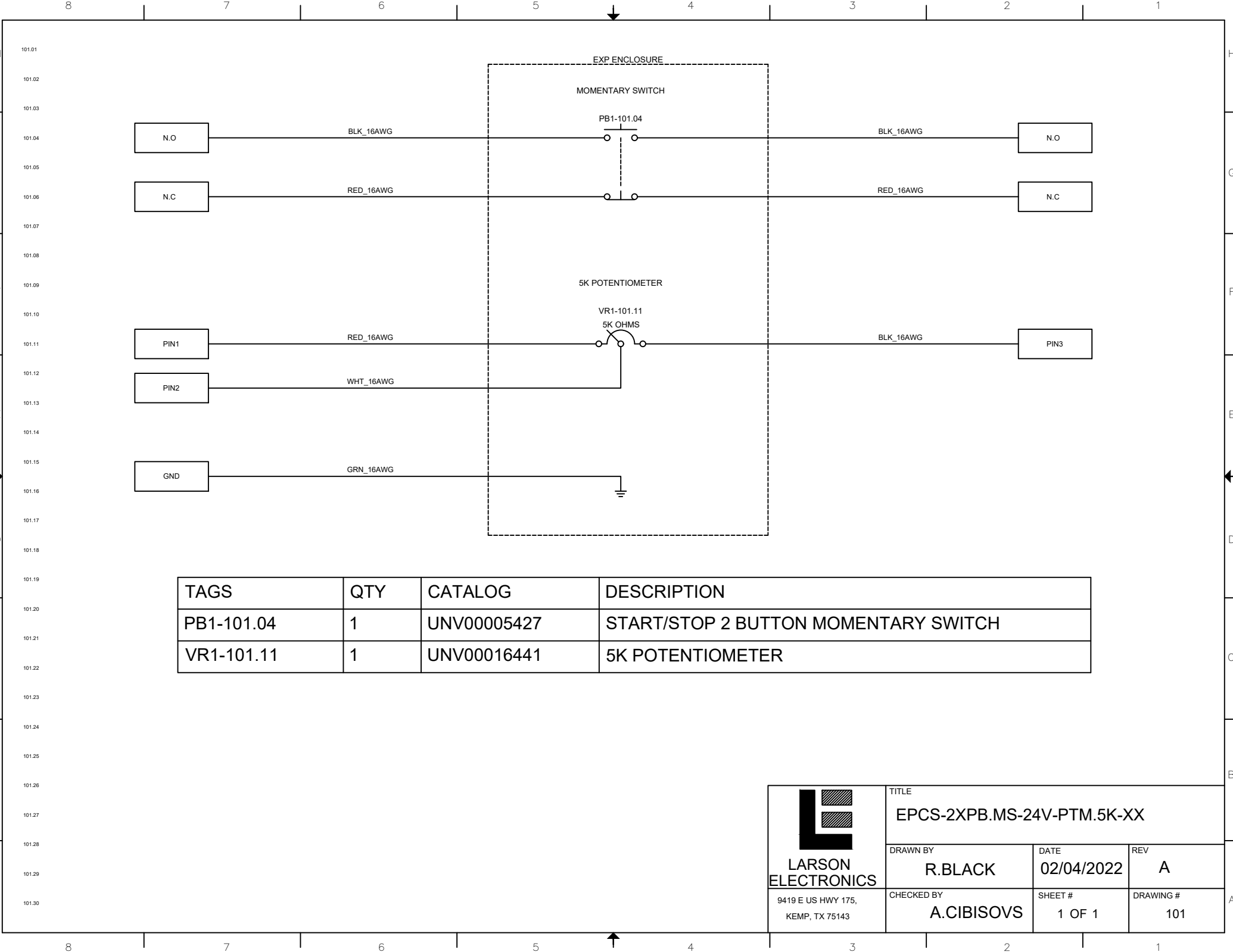
Constructed of non-sparking aluminum, the NEMA-rated unit is weatherproof. The EPCS-2XPB.MS-24V-PTM.5K offers superior corrosion resistance and is suitable for Class I, II and III rated combustible sites.

**Wiring/Mounting:** Operators can completing wiring connections and mounting on surfaces, walls, or conduits via a 1/2" or 3/4" NPT hub.

**Suggested Applications:** Hazardous locations, oil and gas sites, agricultural operations, grain storage, woodshops, motor control 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.

|                                                                                     |                    |   |   |   |   |   |            |
|-------------------------------------------------------------------------------------|--------------------|---|---|---|---|---|------------|
| 8                                                                                   | 7                  | 6 | 5 | 4 | 3 | 2 | 1          |
| REV                                                                                 | DESCRIPTION        |   |   |   |   |   | DATE       |
| A                                                                                   | PRODUCTION RELEASE |   |   |   |   |   | 02/04/2022 |
| EPCS-2XPB.MS-24V-PTM.5K-XX                                                          |                    |   |   |   |   |   |            |
|  |                    |   |   |   |   |   |            |
| 8                                                                                   | 7                  | 6 | 5 | 4 | 3 | 2 | 1          |



| TAGS       | QTY | CATALOG     | DESCRIPTION                          |
|------------|-----|-------------|--------------------------------------|
| PB1-101.04 | 1   | UNV00005427 | START/STOP 2 BUTTON MOMENTARY SWITCH |
| VR1-101.11 | 1   | UNV00016441 | 5K POTENTIOMETER                     |



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KEMP, TX 75143

|                                            |                           |                         |
|--------------------------------------------|---------------------------|-------------------------|
| TITLE<br><b>EPCS-2XPB.MS-24V-PTM.5K-XX</b> |                           |                         |
| DRAWN BY<br><b>R.BLACK</b>                 | DATE<br><b>02/04/2022</b> | REV<br><b>A</b>         |
| CHECKED BY<br><b>A.CIBISOVS</b>            | SHEET #<br><b>1 OF 1</b>  | DRAWING #<br><b>101</b> |

6

5

4

3

2

1

F

E

D

C

B

A

2X  $\phi$  .281

4.726 5.375

2.500

6.601

2.250

3/4" NPT

4.026

6.326



TITLE:

**EPCS-2XPB.MS-24V-PTM.5K**

**PROPRIETARY AND CONFIDENTIAL**  
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DRAWING IS THE SOLE PROPERTY OF  
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UNLESS OTHERWISE NOTED:

Angle +/- .5 deg  
.X +/- .02  
.XX +/- .01  
.XXX +/- .005

FINISH

SURFACE AREA [sq. in]

DIMENSIONS ARE IN INCHES

MATERIAL

DO NOT SCALE DRAWING

DRAWN

CHECKED

DATE

NAME

CHRISTOPHER THAUER

N/A

9/30/2021

SIZE  
**A**

DWG. NO.

REV

SCALE: NTS

SHEET 1 OF 1

6

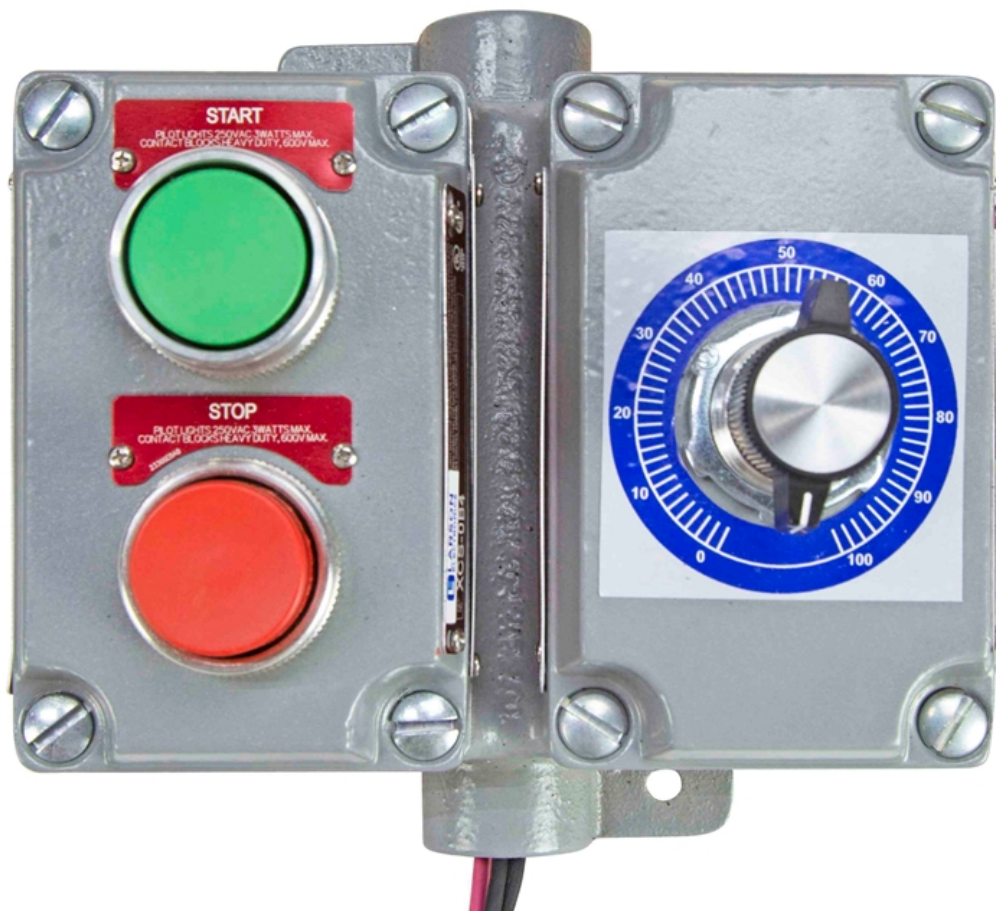
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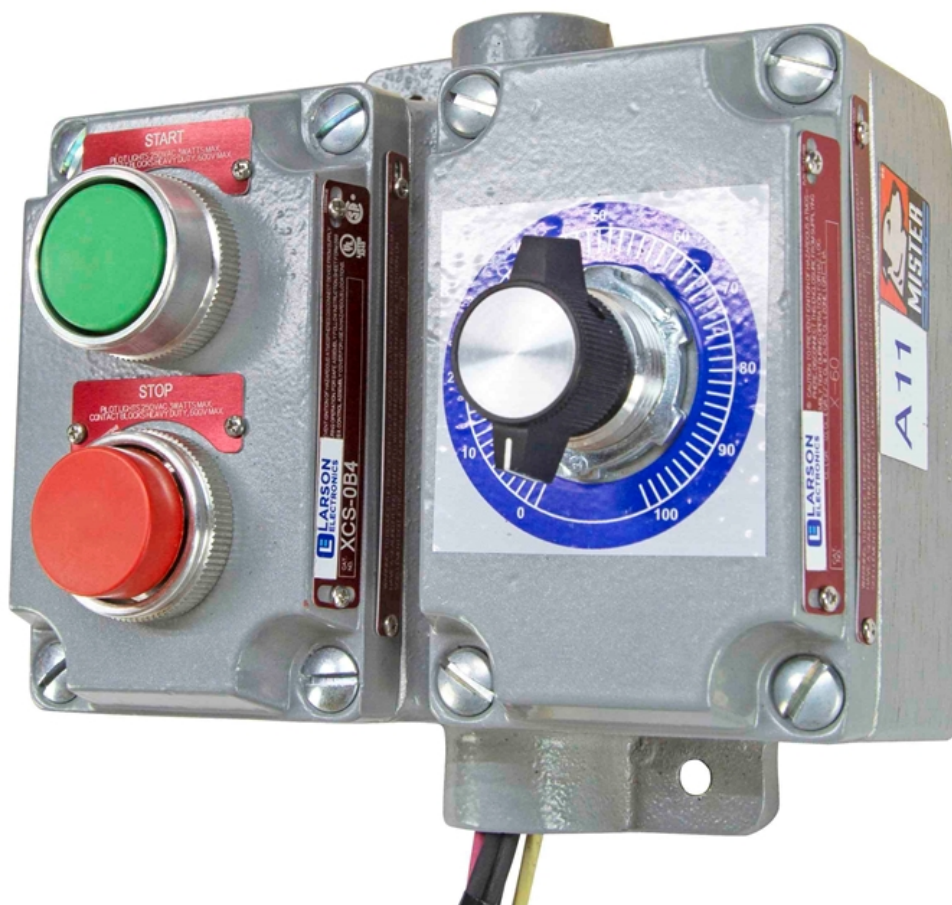
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3

2

1







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## Frequently Asked Questions (FAQ)

There are no Faqs