10A Explosion Proof Push Control Station

Class I, II, III - (2) Momentary PBs, (1) 2-Pos Switch - Labels

Instruction Manual

Thank you for your purchase of the Larson Electronics EPCS-PB10-2XMPB-2PS-N4X-M1.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE EPCS-PB10-2XMPB-2PS-N4X-M1 MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.

WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.
RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

The Larson Electronics EPCS-PB10-2XMPB-2PS-N4X-M1 Explosion Proof Control Station is suitable for use in Class I, II and III rated combustible sites. This weatherproof unit contains three operators: (2) momentary push buttons and (1) 2-position switch. The operators are labeled for proper use. Protected by a copper-free aluminum enclosure, the control device is offered with 1/2" or 3/4" hub size.

WIRING

Standard pigtail(flying leads) wiring

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 600V.

Warning: *Check product label for correct input voltage!*

Attach supply line wires to the appropriate light fixture wires as shown in the diagram ➔



Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.

Ratings/Approvals

Class I, Divisions 1&2 Groups C,D
Class II, Division 1, Groups E, F, G
Class III
NEMA 3R, 4, 4X, 7 (C,D) 9 (E,F,G)
NRTL Listed to UL 508A, UL 1203
NRTL Listed to CSA C22.2 No 14, 25, 30

CAUTION: Before installing, make sure you are compliant with area classifications, as failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code(s).

Make sure that the circuit is de-energized before starting installation or maintenance. Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

MOUNTING INSTRUCTIONS

To install the product correctly, follow the steps below:

PUSHBUTTONS:

1. Disconnect the contact block from the assembly by sliding the cage locking tab clockwise.
2. Remove the nut and protective sleeve from the threaded body.
3. Place the legend plate when used under the knob, or attach to the enclosure, if applicable.
4. Make sure the operator threads and surface being attached to are clean and free of debris. Screw the pushbutton assembly into the enclosures 3/4” NPSM or M22x1,5 threaded entry and torque 3 N-m to 6 N-m (27 in.-lbs. to 53 in.-lbs.). Ensure legend plate is held in place to prevent rotation, if applicable.
5. Install the nut onto the assembly threaded body and torque to 2 N-m (18 in.-lbs.) with an appropriate tool.
6. Installing the contact block to the assembly:
   a. With the cage locking tab held in the clockwise position, align the assembly channel with the locking cage ID tabs on the contact block and slide the block onto the assembly.
   b. Move the cage tab counterclockwise to lock switch in place.
   c. Verify orientation of block is such that control wires and certification tag won't be directed into flame path of cover/body.

After performing the connections described above, the product can be safely used, and the ingress of protection is assured.

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EPCS-PB10-2XMPB-2PS-N4X-M1 is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.