Explosion Proof Push Button Switch

Class I, II, III - 10 Amps - Black, Standard - NEMA Rated

Instruction Manual

Thank you for your purchase of the Larson Electronics EPCS-PBS-MS-B-XL.

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The EPCS-PBS-MS-B-XL from Larson Electronics is an Explosion Proof Push Button Switch that is suitable for preventing the ignition of external, flammable atmospheres in hazardous locations. This 600V-rated unit features a standard long body design for installation in thick panels. The explosion proof device features one set of contacts and comes with a RESET or BLANK nameplate marking.

WIRING

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required.

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

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:

Steps continued on next page..

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-PBS-MS-B-XL is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.