

EPS-PB10-SP0001**Explosion Proof Device Box for EPS-PB10 Push Button Switches
Class I, II & III Divisions 1 & 2****WARNING**

To prevent explosions and shock hazard, electrical power must be OFF before and during installation and maintenance.

INSTALLATION OF BACK BOX

1. Select a mounting location that will provide suitable strength and rigidity for supporting all contained wiring and control devices. Drill and tap mounting holes in this location for the 5/16-18 bolts.
2. Securely fasten the device body to the mounting surface, then attach the body into the conduit system.

**WARNING**

To ensure proper installation, hazardous location information indicating the class and group the product is approved for is marked on the nameplate of each device. Conduit sealing fittings may be required to be installed to comply with the requirements of the latest edition of the NEC, Section 501-5 and/or 502-5, plus any other applicable standards. Review nameplate for specific information.

3. Pull supply wires into the enclosure, making them long enough to make the required connections. Each conductor should be long enough to extend at least 3 inches outside the cover opening.
4. Select the proper cover for assembly. Similar cover and back box materials can only be used (e.g. iron with iron; aluminum with aluminum). Make the electrical connection utilizing the wiring scheme established for your system. See 'Assembly of Pushbuttons and Pilot Lights' for instructions on how to assemble the cover assemblies. Disassembly of internal components may be required. See Figures 9 and 10 for wiring diagrams for the pushbuttons and pilot lights, respectively.

WARNING

To avoid explosions, check for dirt, grit or other foreign material on the mating surfaces of the cover and the back box. Be certain that each surface is wiped completely clean before assembling. Surfaces must seat fully against each other to provide a proper explosion proof joint.

5. When cover assembly with operators is completely assembled, test wiring for correctness with continuity checks and also for unwanted grounds with an insulation resistance tester.
6. Carefully assemble cover assembly to the device body with the cover screws. Check the tightness of the cover screws to ensure that the cover assembly is securely fastened.

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.

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