

Explosion Proof Timer Switch w/ E-stop

Class I, II, III - 30-Min Timer, DPST Switch - 120-277V

Instruction Manual

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

IMPORTANT: Please read these instructions carefully before installing or maintaining this equipment. Good electrical practices should be followed at all times and this data should be used as a guide only.

INSTALLATION

1. Mount the back box by means of mounting lugs. Install conduit nipple and sealing fittings, to be installed on each conduit entrance or exit to the enclosure back box in Class I and Class II areas. Thread conduit into sealing fitting (Note: For Class I areas, the conduit should engage [5] full threads.)
2. The conduit threads should be lubricated with a non-electrical insulating lubricant or pipe joint compound that will not promote corrosion or chemically attack aluminum.
3. After conduit system has been properly installed, pull the wires and make electrical connections as required. The electrical circuits and ground continuity should be checked with an instrument approved for the area. Notice: Connect only copper wire to this device.
4. All conduits entering or leaving the enclosure must be sealed within 18" of the enclosure with listed sealing fittings. Caution must be taken during installation to be sure that the ground flange flame joints of the cover and box are not scratched, nicked, or damaged. Before assembly of the cover to the box, the mating ground surfaces of both the box and cover should be wiped clean to assure that the ground flame joint will be free of all foreign particles such as lint, dust or dirt.
5. After tightly bolting the cover assembly/assemblies to the enclosure, all box to cover flame joints should be checked with a 0.0015" thick feeler gauge such that the gauge will not enter the flame path more than 1/8" at any point.

OPERATION

Rotate until desired time is achieved. Do not force the knob passed its stopping point as this could damage the timer.

MAINTENANCE

All moving shafts should be lubricated occasionally to prevent binding. Only use a lubricant which is suitable for use with aluminum or stainless steel. If devices are to be installed in corrosive areas which will attack aluminum alloys containing less than 0.4% copper (boxes and covers) and 303 stainless steel (mostly shafts), the device should be suitably protected from the corrosive material.

CAUTION: To prevent ignition of hazardous atmospheres, disconnect from the supply circuits before opening the enclosure; keep tightly closed while circuits are energized.

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 at 1-800-369-6671 for further assistance.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

This device complies with requirements of Underwriters Laboratories, Inc. for use in hazardous locations, as listed on the device when used with suitable enclosures.

WARNING: To avoid risk of explosion, all flat machined surfaces must be kept clean and free from scratches, dents, debris, paint, and corrosion. The flat machined surfaces are explosion proof joints, and must be clean and undamaged on both the enclosure and cover.

PUSH BUTTON INSTALLATION

1. The surfaces of the flat ground joint are precision machined to insure an explosion proof joint and must be protected from scratches or damage during installation.
2. When switch is mounted in the enclosure, it must be mounted to agree with cover indication of operation. That is, when the cover indicates ON, the switch must be in the ON condition.
3. Before the cover is installed, the flat ground joint surface must be thoroughly wiped clean of any dirt, grit, or other foreign substances and a light thin coating of lubricant placed on the joint to prevent possible corrosion. The joint between the box and the cover has been made accurately to .0015" to prevent the passage of this accuracy is destroyed.
4. ALL cover screws must be installed with at least five full threads engaged and must be securely tightened. All cover openings must be closed with a suitable cover.
5. Gaskets must not be added to these devices. Only gaskets designed for and permanently installed in these devices may be used.
6. In accordance with the hazardous location information specifying Class and Group listing marked on the device, sealing fittings must be added that will comply with requirements in the latest issue of the Canadian Electrical Code or National Electrical Code and any special requirements that are stated in the instruction sheet with the enclosure.

MAINTENANCE

Before removing the cover from any such device for inspection or maintenance, the power supply circuit must be OFF.

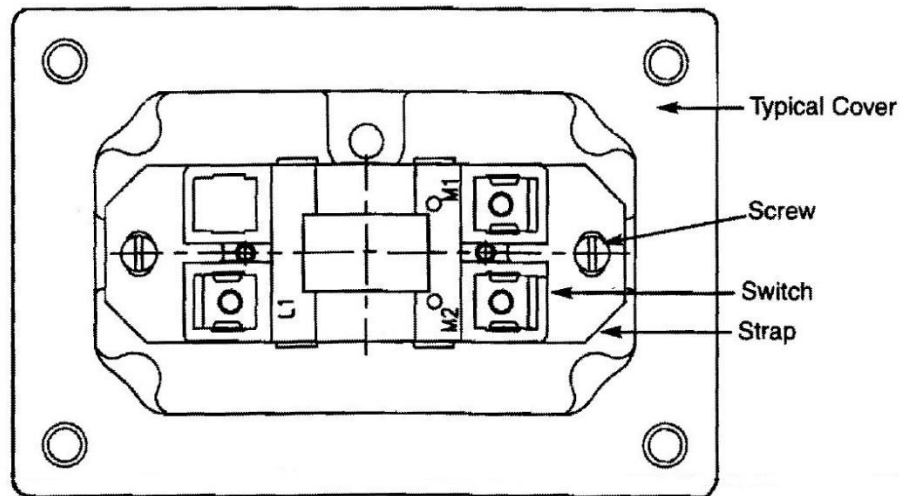
WARNING: To prevent risk of explosion, hammers and prying tools must not be used to remove covers off enclosures. Damage to the explosion proof flat machined surfaces on cover and enclosure may result. Handle covers carefully. Do not place them on surfaces that might damage or scratch the flat machined surfaces.

Before replacing the cover, after it has once been removed, the flat ground joint surfaces must be cleaned as described in step 3 under installation.

WARNING: To prevent risk of explosion, replace devices if the flat machined surface is damaged, scratched, dented, or corroded. Field rework of flat machined surfaces is not possible.

Align the holes of the strap with the holes of the cover.

Use two screws to mount the switch onto the cover.



CAUTION: Use 12 AWG copper conductors only. Insert the bare wire conductor(s) under terminal clamp and securely tighten the screw(s). Note: Do not exceed 35 in-lbs. of torque.

