

Explosion Proof Fire Alarm Station

Class I, II Div 1&2 - 24V, 5A Max - Pull Ring - Single Action

Instruction Manual

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 Larson Electronics EXP-FAS-PR-A1-24V-M1-1XC explosion proof single action fire alarm station is suitable for hazardous locations that requires emergency activation of fire alarms or signal circuits. This unit operates on 24V DC @ 5A maximum and uses a simple, one-step pull ring mechanism for seamless activation. The pull ring measures 12 inches in diameter and the chain is 6 inches in length. It carries the following explosion proof ratings: Class I, II, III, Division 1 & 2. The hazardous location fire alarm station features (1) NO/NC contact blocks, a copper-free aluminum alloy enclosure and bilingual nameplates for compliance.

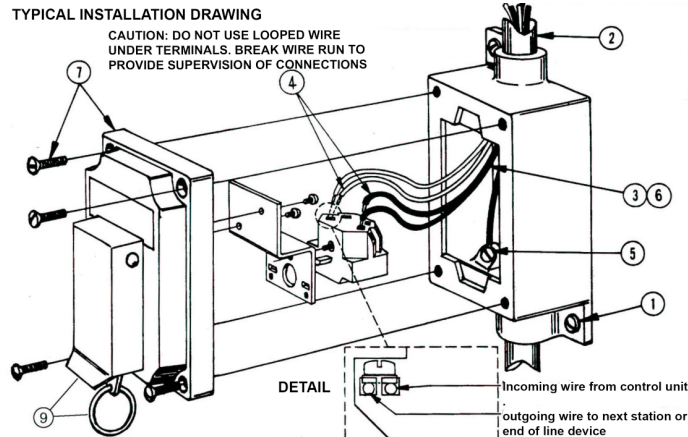
INSTALLATION

WARNING: Before beginning installation, make sure that the supplying circuit is turned OFF.

NOTE: Connect copper wire to this device.

1. Using the Installation Drawing on left as a guide, install the SWB Splice Box, using the cast-on mounting lugs. We recommend using 1/4" mounting screws for secure mounting.
2. Attach the conduit to the box.
3. Pull the wires through the conduit and into the splice box.
4. Make all wiring connections as system requires
 - a. Strip off approximately 11/32" of the wire insulation, exposing the bare conductor. Insert conductor into one side only of the N.O. or N.C contact. Tighten captive screw securely onto wire. Do the same with all other wires in the system.
5. Connect the ground wire to the ground screw in the splice box.
6. Push the connected wires into the splice box.
7. To complete the installation, install the cover assembly. The four cover bolts should be tightened so that a .0015" feeler gauge will not enter more than 1/8" at any point around the flange joint.
8. When the entire system has been wired and secured, turn ON supplying circuit to test the device.
9. Lift the actuator plate cover up and pull ring down. Contact is made and alarm should sound.

To reset the alarm, read and follow the instructions provided under the actuator plate's cover. NOTE: All installations must comply with applicable local and National / Canadian Electrical Codes.



RESETTING THE FIRE ALARM

1. Use a hex-key (i.e, allen wrench) to back off the spring loaded set screw (A) about 1/4".
2. While holding reset-shaft all the way Down, push the flat plate (with ring attached) over the shaft. THE ALARM WILL SHUT OFF.
3. Use the hex-key to tighten the set screw (A), until it stops, (do not apply excessive force).
4. Remove hex-key and push the cover down.



GENERAL INFORMATION

CATALOG NUMBER	CONDUIT SIZE	NOT ACTIVATED POSITION	ACTIVATED POSITION
XAL-53	3/4"		

MAINTENANCE

CAUTION: Disconnect this device from the supplying circuit before removing the cover. To prevent corrosion, lubricant should be occasionally applied, as follows: Killark "LUBG" lubricant to box/cover flanges; and Dow Corning Molykote 33 Grease, (light consistency) to operator shaft. Keep all flanges clean and free of scratches. Some internal service parts are available. Contact Larson Electronics for parts. Refer to product nameplate for ratings information.

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 EXP-FAS-PR-A1-24V-M1-1XC 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.