

30A Explosion Proof Contactor

Class I, II, III - 120V AC, 1P Contactor - (2) 3/4" NPT Hubs - ATEX/IECEX

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 EXP-CTR-1P-30A-120V-12VC-2X0.75NS from Larson Electronics is an Explosion Proof Contactor for secure connections to circuits and motors in ATEX-rated and combustible sites. This 30-amp device is compatible with 120V AC, 50/60 Hz and features a normally open or normally closed configuration. Operators are provided access to two 3/4" NPT hubs at the north and south sides of the explosion proof unit.

Mounting

Mounting of the EXP-CTR-1P-30A-120V-12VC-2X0.75NS from Larson Electronics is facilitated by the two mounting tabs with pre-drilled holes on opposing corners of the back of the enclosure. This allows the enclosure to be mounted to any flat, sturdy surface capable of supporting the load. First, pick the mounting location. Next, hold the enclosure in desired location and mark location of holes to be drilled. Drill holes to match the holes on the enclosure. Then, with enclosure in place, pass mounting hardware through both holes and secure tightly with nuts and washers. Mounting hardware is not provided, but is available from Larson Electronics if needed.



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!

Complete wiring connections as necessary. Wires are individually labeled for convenience. 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. Take any and all explosion proofing measures necessary to maintain ratings for within hazardous area. Conduit and hub plugs must have at least 5 full threads engaged to ensure explosion proof seal. Lid must also be fully seated within hazardous area when 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 BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

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