

10A Solid State Relay - 90-280V Input Single Pole, Single Throw - Din Rail Mounted Instruction Manual

Thank you for your purchase of the Larson Electronics XLE-EL-STR-R1-120.240V-SPST-NO solid state relay.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

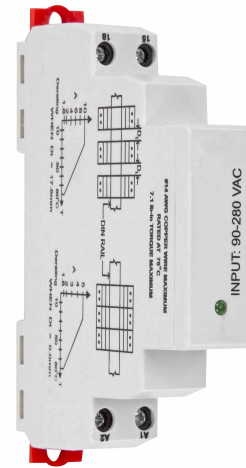
Mounting

Warning: Be sure power is off at the breaker before installing or removing.

The XLE-EL-STR-R1-120.240V-SPST-NO from Larson Electronics is designed to be mounted to existing din rail within electrical enclosures. The red tabs at top and bottom are used to lock it in place, and release it when removing.

Power

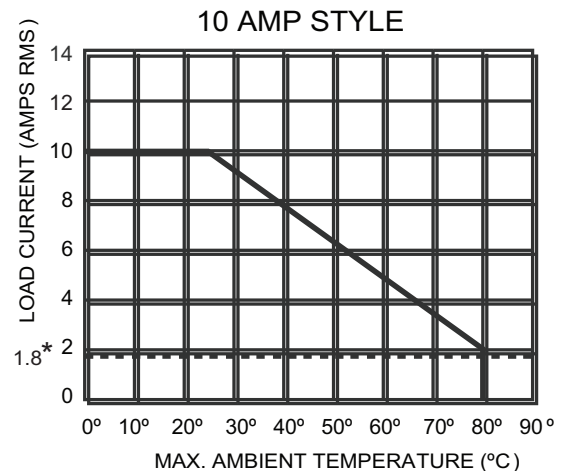
This solid state relay is designed for use with input voltages of 90-280 VAC. Wiring is completed as shown in the diagram below. Be sure all applicable local and national electrical codes are followed when installing, and take any weatherproofing measures that may be required to prevent the relay from coming into contact with water. Do not exceed load current amps for the ambient operating temperature, with 10A being max load in low ambient temp environments.



Wiring Diagram



Derating Chart



* Indicates current cut-off.

Note: A minimum spacing of 17.5 mm (0.7 in) between adjacent AD Series Class 8 relays is required in order to achieve the maximum ratings. A 0mm spacing will result in a 50% reduction in the de-rating.

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.