

Programmed Relay Timer

Weatherproof - Corrosion Resistant Plastic Moulding - NEMA 6P Instruction Manual

Thank you for your purchase of the Larson Electronics IND-CS-RLY.TMD-CL.6S-OP.6S-12X-120V-30A-SPST-2XC.

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.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE IND-CS-RLY.TMD-CL.6S-OP.6S-12X-120V-30A-SPST-2XC MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.



**WARNING: MAKE SURE POWER IS TURNED OFF BEFORE STARTING THE
INSTALLATION OR PERFORMING ANY MAINTENANCE.**

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.

RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.

RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

WARNING:

Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do NOT remove the case of the power supply by yourself.

Do NOT install relay timer or power supplies in places with high ambient temperature or close to a fire source. Please refer to the specifications about the maximum ambient temperature limitations.

Output current and output wattage must not exceed the rated values on the specifications.

Enclosure must remain closed at all times during operation.

The IND-CS-RLY.TMD-CL.6S-OP.6S-12X-120V-30A-SPST-2XC from Larson Electronics is a Programmed Relay Timer for industrial sites. The weatherproof device provides timing functions in circuits. This NEMA 6P and corrosion resistant unit is constructed from a plastic moulding compound that will not rust or corrode along with a foam gasketed lid sealed with stainless steel screws.

OPERATION

The IND-CS-RLY.TMD-CL.6S-OP.6S-12X-120V-30A-SPST-2XC is a programmed relay timer for reliable switching or controlling functions. When triggered, this weatherproof unit closes the circuit and activates connected equipment located downstream. During operation, the device holds the circuit closed for 6 seconds and opens the circuit for two seconds. The cycle is repeated twelve times in a row. Ideal for both indoor and outdoor use, the IND-CS-RLY.TMD-CL.6S-OP.6S-12X-120V-30A-SPST-2XC offers superior corrosion resistance and ample protection for direct burial applications.

INSTALLATION

This converter includes pigtail leads for each connection. Each lead is labeled with the connection it is for. When triggered, this weatherproof unit closes the circuit and activates connected equipment located downstream.

1. Disconnect power prior to wiring!
2. Tap side(s) of box to run cable. Use a suitable cord grip or conduit fitting for routing wire. Ensure tapped ends are watertight to maintain weatherproof rating of enclosure.
3. Mount enclosure to flat surface using the (4) mounting ears on back. Take care not to overtighten mounting hardware as this could crack the enclosure.
4. Connect leads to the matching wire(s) of the relay timer. See attached wire diagram and details below. Any unused output leads must be insulated. The connected device(s) will function once the converter is energized. If not, check power source and connections.

The relay will be ready to go out of the box. Attach 24V to power supply wires. The trigger voltage must be greater than 15V (24V max.) and must be referenced to the same ground as the power supply.

120VAC Input goes to its respective wires at 30A Max. 60A only if both Outputs are balanced. Each relay is rated for 30A. There are 2 Normally Closed outputs and 2 Normally Open outputs. Any unused output leads must be insulated.

TROUBLESHOOTING

Should the relay not react to the trigger, open the box while energized and view the status on the LCD screen. It should appear as **FIGURE 1**.

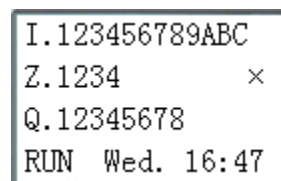


FIGURE 1

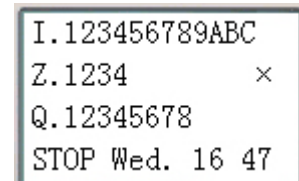


FIGURE 2

If it looks like **FIGURE 2**, press the ESC key once to navigate to the main menu (**FIGURE 3**). Scroll down to the RUN option and press OK then scroll to YES and press OK.



FIGURE 3

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

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 IND-CS-RLY.TMD-CL.6S-OP.6S-12X-120V-30A-SPST-2XC 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.