

Master Control Box for Syncing LM-SYM Series Masts 3rd Gen - Class 1 Div 1 - Sync up to (4) Masts - LCD Display, (3) Buttons

Instruction Manual

Thank you for your purchase of the Larson Electronics LM-SYM-XX-CTRL-R1.

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.

The Larson Electronics LM-SYM-XX-CTRL-R1 Master Control Box provides a safe and effective way for operators to sync LM-SYM series masts. Suitable for syncing up to 4 LM-SYM series electric winch masts, the unit facilitates start, stop and emergency stop functions.

WIRING

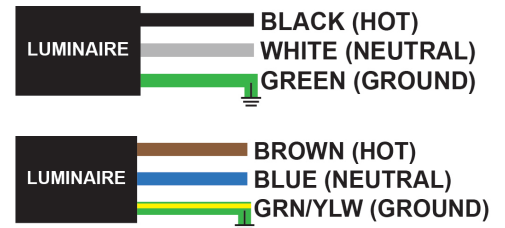
Standard pigtail(flying leads) wiring

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 100V - 277V AC, 50 or 60Hz except those factory ordered with low voltage 11V to 25V AC/DC.

Warning: Check product label for correct input voltage!

Attach supply line wires to the appropriate light fixture wires as shown in the diagram →

Secure each pair of wires according to the diagram. 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.

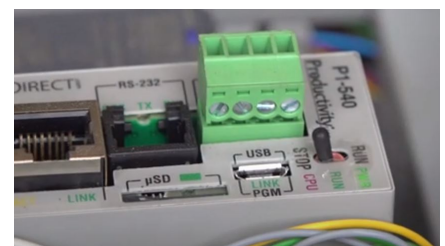


MOUNTING

This unit is intended to be surface mounted to desired location.

OPERATION

- Ensure sync cables are plugged in to desired towers and towers are connected to a power source.
- For single tower operation, put the switch inside the Master Control Box to "STOP".
- For synchronized tower operation, put the switch inside the Master Control Box to "RUN".



- In single operation, to raise the mast, turn the switch on the operating box on the tower to the right. To lower, turn the switch on the operating box on the tower to the left.
- In multi-tower operation, turn the switch on the front of the Master Control Box to position 2 to raise the masts simultaneously.
 - Turning the switch to position 3 will raise the masts to the next stage fully.
 - Turning the switch to position 4 will raise the masts to the full height.
 - Turning the switch to position 1 will fully lower all masts down.

MAINTENANCE

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

- Disconnect power running to the unit and be sure the fixture is cool to the touch.
- Use a non-abrasive cleaning solution to clean the unit.

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 LM-SYM-XX-CTRL-R1 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.