Portable Spider Box
208Y/120V Wye 3PH, 5100B9W Inlet, (1) CS8369, (1) L15-30R, (3) 5-20R Outlets
Instruction Manual

Thank you for your purchase of the Larson Electronics MPD-CS5-309.100AB-YT0-Z-1.C05-1.L25-3.N10-M1.

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 MPD-CS5-309.100AB-YT0-Z-1.C05-1.L25-3.N10-M1 from Larson Electronics is a Portable Spider Box for indoor, outdoor, and rugged applications. This unit allows operators to use three-phase 208Y/120V AC Wye power via a 5100B9W electrical inlet. The device is equipped with eight output receptacles for equipment. For robust protection, the safety yellow spider box is NEMA 3R rated and protected by impact/flame resistant weatherproof covers.

Operation

This portable spider box has a 100-amp IEC 60309 5100B9W male pin/sleeve inlet for bringing three-phase 208Y/120V AC Wye power into the unit. The device supports one 40-amp 2-pole 250V miniature circuit breaker protecting one CS8369 California standard twist-lock [250V] outlet, one 30-amp 3-pole 250V miniature circuit breaker protecting one 30-amp L15-30R NEMA twist-lock outlet, and three 20-amp 1-pole 125V miniature circuit breakers protecting three 20-amp 5-20R NEMA GFCI Duplex outlets. The MPD-CS5-309.100AB-YT0-Z-1.C05-1.L25-3.N10-M1 spider box features short circuit, overload, open neutral, and reverse phasing protection. Should circuit overload occur, the unit will automatically shut down to protect the spider box from damage.



Connect compatible power supply cord to inlet receptacle outputting the correct voltage as identified on the product label. Unit will be energized as soon as this is done. Verify all breakers are in the "on" position, this will ensure all outlets are energized and ready for use. Connect compatible equipment to outlets as needed for conveniently located power supply solutions. If unit is overloaded, breakers will trip to protect the unit from damage. Remove some of the load before re-energizing any circuits if this happens. Always follow all applicable local and national electrical codes when using this power distribution unit. This temporary power distribution unit is designed to be used on a grounded electrical supply system. It will not operate when supplied from a power source which is not grounded. Over-current protection of the proper rating, according to the National Electric Code, Article 240, must be used on the supply circuit feeding the temporary power distribution units.

Troubleshooting

The GFCI Modules within the temporary power distribution unit will trip whenever one or more of the following abnormal conditions exist in the line (supply) side circuit:

1. Either line (hot) conductor is transposed with the neutral conductor.
2. Either line (hot) conductor is open (disconnected)
3. There is an excessive voltage imbalance between line 1 and line 2 circuits. This may be the result of an open neutral conductor in the supply circuit.

When the abnormal condition(s) in the supply circuit is corrected, the unit may be reset for normal use by completely removing and then reapplying line power. It is recommended that the GFCI test procedure be repeated at this time. When a GFCI module trips, attempt to reset it by pressing the reset switch, being careful to look for possible danger to personnel. If the module resets, the fault was momentary and has cleared. If it trips again immediately, the fault is still present and the GFCI module is performing its safety function. To locate the fault, disconnect all loads and again try pressing the reset switch. The module should reset. Reconnect the loads one at a time.

The module will trip when the faulted load is reconnected. Inspect all tools, appliances and extension cords in the faulted load circuit, repairing or replacing any that are not in good condition.

NOTE: Tripping of a circuit breaker in these models can only result from an overload or short circuit condition in its individual load circuit. When the fault in the load circuit is corrected or removed, the circuit breaker can be reset for normal use by switching handle to “OFF” position and then to the “ON” position.

Maintenance

Warning: Electrical power supply **MUST BE OFF AND DISCONNECTED** before and during any repair or maintenance. Repair and maintenance must be performed by a trained and competent electrician.

If any parts or components of this temporary distribution box appear to be missing, broken or show signs of damage, **DISCONTINUE USE IMMEDIATELY!** Do not modify these devices in any way. Replace worn or damaged components. Failure to do so could cause serious personal injury or death.

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 MPD-CS5-309.100AB-YT0-Z-1.C05-1.L25-3.N10-M1 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 1-877-348-9680 FOR FURTHER ASSISTANCE.

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