Fused Disconnect Switch
200 Amps - 3P3W - 4160V 60 Hz - (3) 5.5kV Fuses Included - NEMA 3R

Thank you for your purchase of the Larson Electronics PDU-FDS-4160V-3PH-200A Fused Disconnect Switch.

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 WITHIN 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 PDU-FDS-4160V-3PH-200A 4160V Fused Disconnect is designed for safe handling of high-voltage loads. This NEMA 3R unit is rated at 200 amps and works with 4,160V. The 3P3W fused disconnect comes with three, 5.5kV fuses and is designed for surface mounting with bottom feed configuration.

MOUNTING

The PDU-FDS-4160V-3PH-200A 4160V Fused Disconnect can be securely mounted to any flat surface that is capable of supporting the load of the unit. This NEMA 3R unit is designed for surface mounting with bottom feed configuration. Do not stand under unit when lifting. Secure unit to flat surface using the flanges on the bottom of the unit. Be sure all applicable local and national building and electrical codes are followed when mounting.



POWER

Only a licensed and knowledgeable electrician should complete connections to this unit!

Note: Always check product nameplate or labeling for voltage ratings! Follow all applicable local and National Electrical and building code when installing.

Unit features open bottom configuration for feeding supply power. Be sure to consider your preferred method of bringing in the supply power and connecting equipment when mounting. Complete wiring connections in accordance with the wiring diagram included with your unit. Ensure the unit is properly grounded and that wiring is done according to all applicable local and national electrical/building codes.

There are two types of installation methods: Conduit installation or cable installation. If the enclosure is complete with factory installed entry hardware, run all your wiring through entry hardware and refer to the wiring diagram included with your unit for completing wiring connections.

If the enclosure does not include entry hardware, select the appropriate hubs or cable connectors and install them per the IOM included with the hardware.

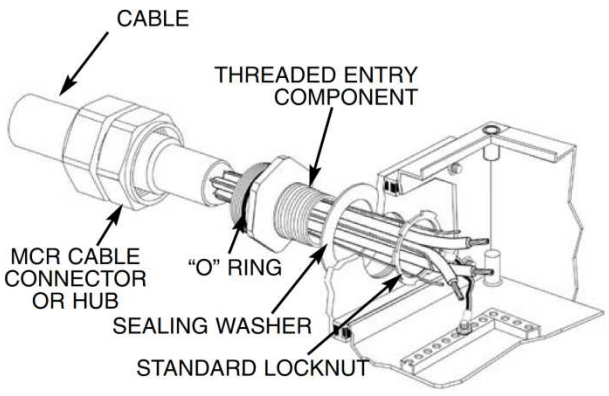
Installation of approved conduit hubs or cable connectors

CAUTION: FIELD INSTALLED OPENINGS:
For field-installed openings, use a hole saw, metal drill bit, or pneumatic type punch to create an appropriately sized hole for mounting your selected hardware. Always wear safety glasses and protective clothing when working.

Conduit/Cable Installation

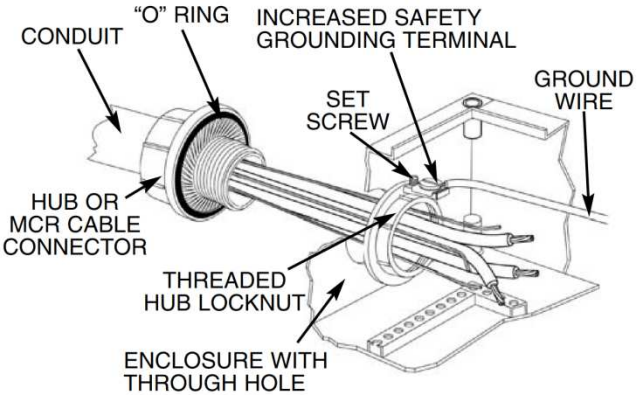
In situations where the metal cable connector and conduit hubs must be bonded to the ground system, this can be accomplished by installing them either by method 1 or method 2 as shown.

Method 1: Enclosures with flange plates using threaded openings through the flange plate and standard locknuts. Flange Plate must be connected to the internal grounding system using jumper wires.



Refer to IOM sheet of cable connector for proper installation

Method 2: Enclosures without flange plates using a hole "through the enclosure" with grounding locknut.



These locknuts must be bonded between each other and to the grounding system using jumper wires. After the entry hardware is installed, connect the appropriate conduit or cable.

Note: All unused enclosure openings must be closed using approved close-up plugs with standard locknuts.

IMPORTANT: When connecting conductors:

- Strip the wire so that the insulation covers the wire up to the terminal.
- Make sure all wires are connected to the correct terminals, per the wiring diagram.
- Tighten all terminal blocks/screws.

OPERATION

PDU-FDS Series switches operate with an exterior switch, allowing the unit to be cycled off and on without the need to open it. Two-position OFF-ON and three-position ON-OFF-ON are the most common setups, and switches are typically labeled to show the current position.

REPLACING FUSES

Always turn off supply power before opening unit or performing any maintenance! All maintenance should be performed only by a licensed electrician with knowledge of these types of electrical systems.

In the event you need to replace fuses, disconnect power to unit and open the door of the enclosure. Remove the faulty fuse(s) and replace with like parts of the same type and ratings. Close unit door once fuses are in place and unit is ready for testing. Ensure the load on the switch is not exceeding the capacity and ratings for the disconnect switch and fuses, then restore supply power. Refer to the wiring diagram that was included with your disconnect switch if needed.

REPLACEMENT PARTS

The PDU-FDS-4160V-3PH-200A 4160V 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.