

CHAMP® LED Luminaires

VMV and PVM Series LED Fixtures

Installation & Maintenance Information

VMV11L 347/480 K1- Add on Transformer Kit

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

VMV11L 347/480 K1 is an add on transformer kit and is used in conjunction with the Crouse-Hinds Champ Series PVM11L & VMV11L for 347/480V applications.

VMV11L 347/480 K1 is only available with 3/4 inch hub size.

INSTALLATION

⚠ WARNING

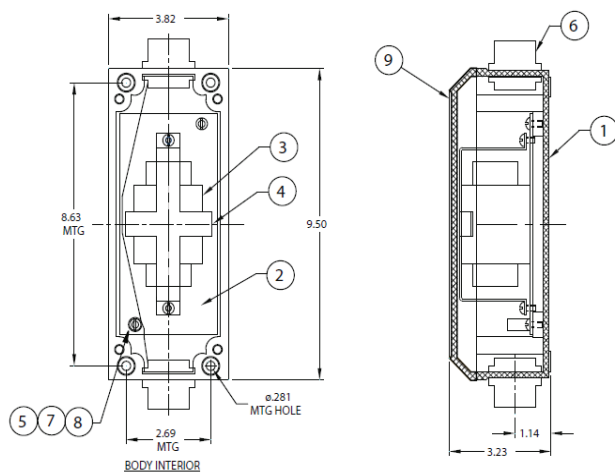
To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

⚠ WARNING

To avoid electric shock, all power must be removed from the fixture during installation and maintenance.

VMV11L 347/480 K1 KIT CONSISTS OF:

- (1) NJB040903 Box with Transformer
- (1) IF1667 Instructions



INSTALLATION OF VMV11L 347/480 K1

Requires four (4) mounting bolts (not provided) to attach the NJB040903 box to a surface (ceiling/wall). (See IF 388 for specific mounting instructions).

MOUNTING

1. Completely loosen the captive screws in the cover. Then carefully lift off the cover and set it aside to prevent damage to the gasket.



2. Select a mounting location that will provide suitable strength and rigidity for supporting all contained wiring and internal transformer. Do not mount as part of a pendant mounting conduit installation. Use #10 size hardware to securely mount enclosure back box to the desired location (See Figure 1 for mounting pattern dimensions).

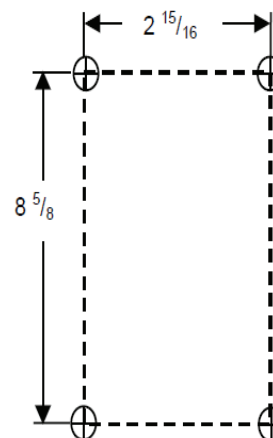


Figure 1.

3. With the back box securely fastened to the mounting surface, attach the conduit or cable system to the back box via the entry hubs.

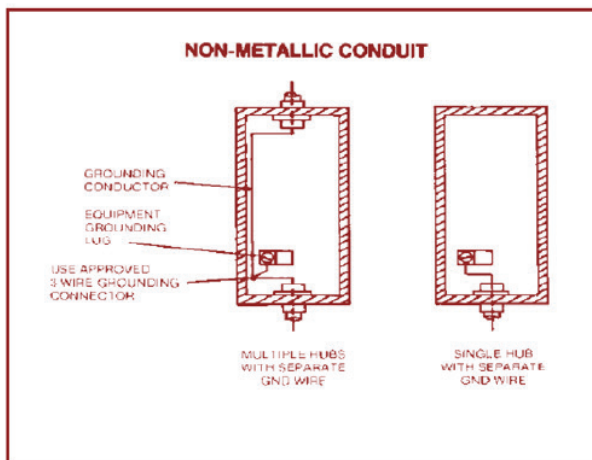
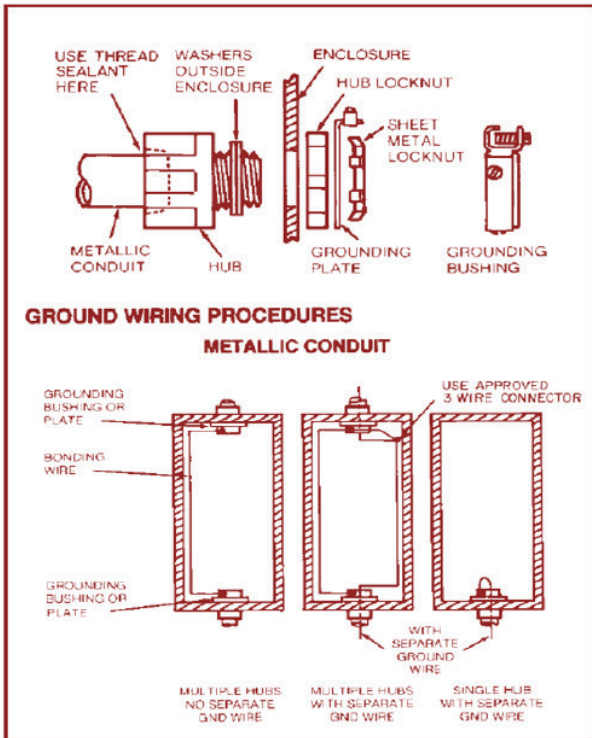
⚠ CAUTION

All mounting hardware should be of corrosion resistant material and a flat washer must be used under heads of mounting fasteners.

10	INSTRUCTION SHEET	1
9	NAMEPLATE	1
8	#10 WASHER	1
7	GROUND WIRE ASSEMBLY (NOT SHOWN)	1
6	HUB, 3/4"	2
5	SCREW, RD HD, #10-32 X .375	4
4	BRACKET, TRANSFORMER	1
3	TRANSFORMER	1
2	MOUNTING PLATE, TRANSFORMER	1
1	NJB040903	1
NO.	DESCRIPTION	QTY

WIRING

1. Pull necessary field wiring into the enclosure. Provide sufficient length for connections to be made in a manner which will comply with all applicable codes and standards.
2. Bonding and grounding conduit and equipment is required by the National Electrical Code. When more than one conduit enters the enclosure, ground continuity between conduits must be maintained through proper bonding. A ground conductor, if used, must be connected to the conduit bonding system. For the VMV11L347/480 kit, use Crouse-Hinds type GP bonding fittings and install per wiring procedures shown. Use wire type and size as required by NEC and any other applicable standards.



[®]National Electrical Code is a registered trademark of the National Fire Protection Association

3. Make the electrical connections utilizing the wiring scheme established for your system. Unit is ready for wiring to the transformer in the enclosure. It is not necessary to remove the transformer from the enclosure for field wiring. Connect field wires to the transformer 347/480 volt and common wire leads per the attached wiring diagram using methods that comply with all applicable codes.
4. Connect transformer 190/270 volt wire lead and unconnected common lead to additional wires (not supplied) per the attached wiring diagram using methods that comply with all applicable codes. Route the additional wires out of the enclosure through unused conduit hub. Wires are to be used as the supply wire to the VMV/PVM11L fixture. See IF Sheet 1594 for instructions on wiring the VMV11L fixture, and IF Sheet 1628 for instructions on wiring the PVM11L fixture.
5. Ensure all electrical connections are tightened. Test wiring for correctness with continuity checks and also for unwanted grounds with an insulation resistance tester.

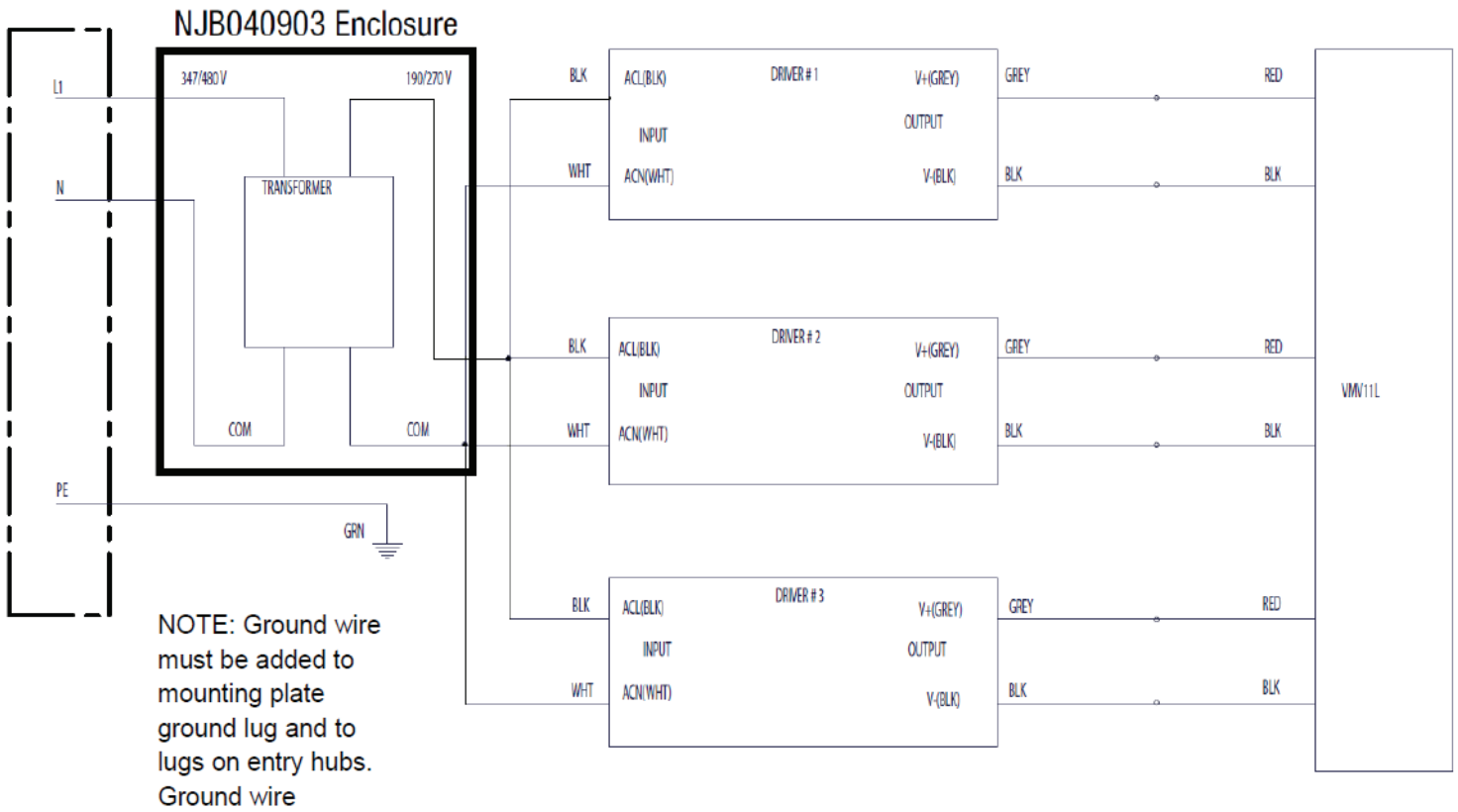
CAUTION

To prevent damage to enclosure, make sure that the cover gasket and body flanges are free of any foreign substances before mating, to ensure proper gasket sealing.

6. Carefully assemble cover assembly to the back box with the cover screws. Check the tightness of the cover screws to ensure that the cover assembly is securely fastened. Do not exceed 35.-lbs torque.

MAINTENANCE

1. Frequent inspection should be made. The environment and frequency of use should determine a schedule for maintenance checks. It is recommended that it should be at least once a year.
 - Visually check for undue heating evidence by discoloration of wires or other components, damage or worn parts or leakage evident by water or corrosion in the interior.
 - Electrically check to make sure that all connections are clean and tight.
 - Mechanically check that all parts are properly assembled.
2. Perform visual, electrical, and mechanical checks on all components on a regular basis.



**WIRING DIAGRAM FOR:
347 or 480 VOLT TRANSFORMER
TO VMV11L FIXTURE.**

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Cooper Crouse-Hinds "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.