

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

Designed to combine a disconnect switch and a receptacle into one compact device. Cooper Crouse-Hinds' mechanical interlock receptacles eliminate the possibility of making or breaking the circuit underload or making a haphazard connection. A mechanism within the enclosure prevents the switch from being turned to the "ON" position until the plug is fully engaged into the receptacle. Once inserted, the plug is locked in place when the switch is turned on and cannot be removed until the switch is turned to the "OFF" position. This prevents making or breaking the circuit underload.

GENERAL INFORMATION

⚠ NOTICE

For installation only by a qualified electrician in accordance with the National Electrical Code, Canadian Electrical Code, local codes, and the instructions on the following pages.

⚠ CAUTION

RISK OF ELECTRICAL SHOCK. DISCONNECT POWER SUPPLY TO ENCLOSURE BEFORE EXPOSING INTERIOR.

⚠ NOTICE

This enclosure must NOT be used as a junction box for feed-through connections.

⚠ NOTICE

Separate overcurrent protection must be provided in accordance with the National Electrical Code Article 220 or Canadian Electrical Code, Section B as appropriate. Overcurrent protection MUST NOT exceed the ampere rating of the receptacle [ref.: National Electrical Code Section 430-42(c) or Canadian Electrical Code, Part I, Rule 28-602(3)(c)(i)].

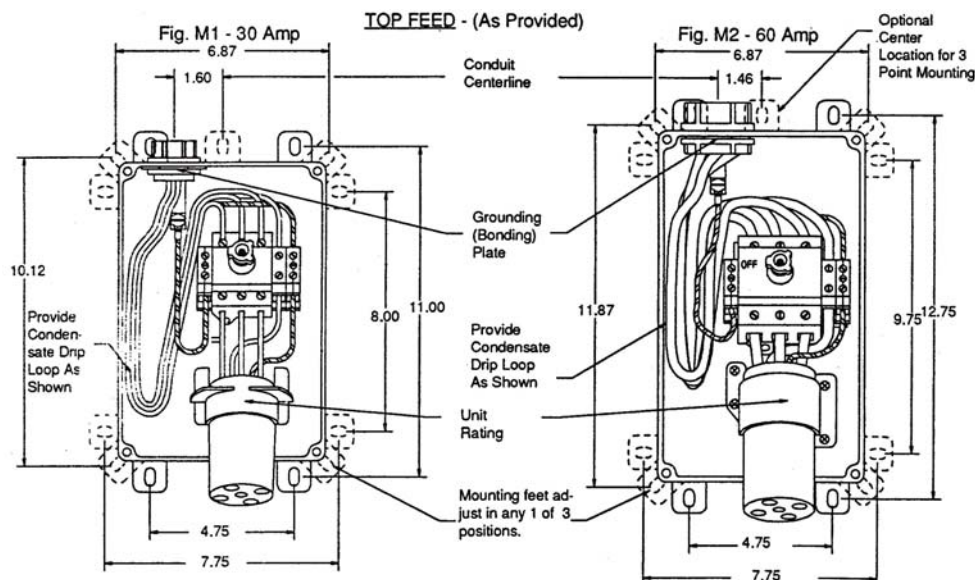
1. Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes at the voltage rating of the receptacle.
2. This enclosure includes a lockout provision: ON-OFF control knob (in the OFF position) accepts up to a 5/16 inch (8.0 mm) diameter shackle of a suitable padlock Lockout device to isolate energy from the receptacle and CORD CONNECTED EQUIPMENT as a method of compliance to OSHA Lockout/Tagout Regulation 29 CFR Part 1910.147. This feature, however, does NOT isolate power supplied to the enclosure during internal servicing of the enclosure.

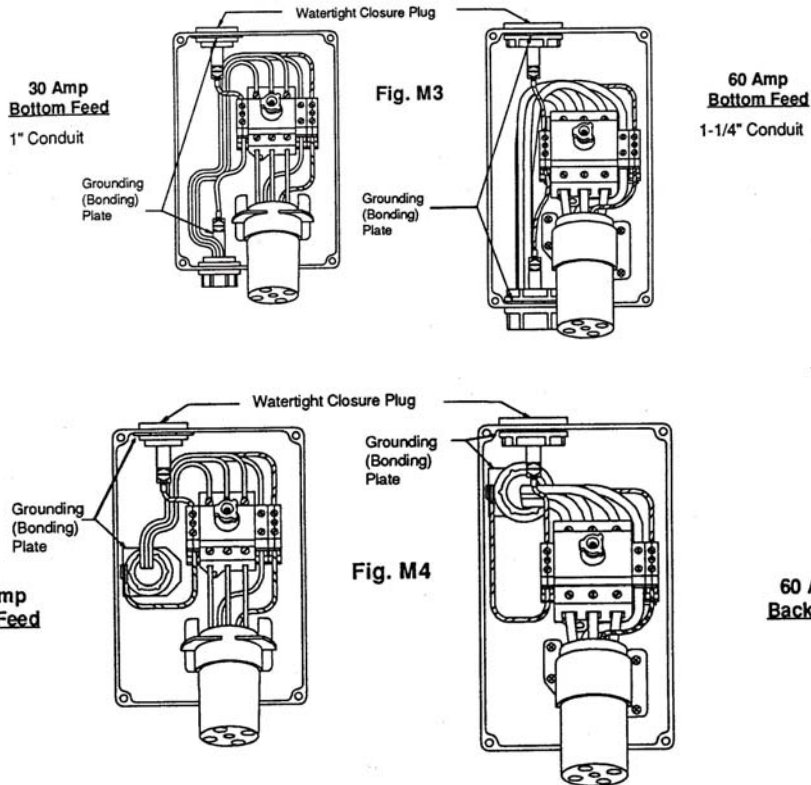
INSTALLATION

A. This enclosure may be mounted for top, bottom, or back feed of supply voltage. Drill dimples are supplied in these locations to provide drilling of the desired hole and the installation of an end-user supplied conduit fitting.

B. MOUNTING INSTRUCTIONS

1. Remove the four (4) cover mounting screws.
2. This enclosure must be mounted vertically, with the receptacle end down.
3. Enclosure must be mounted by means of mounting feet. DO NOT drill mounting holes through the enclosure.
4. Mount the feet to the enclosure in the desired position using the screws provided (see Figure M1 or M2 for mounting dimensions). Torque 10 to 12 lb.-in. (1.2-1.4 N.m).





5. Mounting feet slots will accept up to 5/16 inch screws (not provided).
6. When installing the conduit fitting, be sure o-ring seal is in place between the fitting and the outside of the enclosure.
7. Install the pigtailed grounded (bonding) plate under the conduit nut. Tighten nut securely for a watertight seal and grounding continuity.

2. DO NOT use tin conductors.
3. (30 Amp) Switch terminals will accept a wire size range from #8-14 AWG; ground and neutral terminals from #6-14 AWG.
4. (60 Amp) Switch terminals will accept a wire size range from #2-10 AWG; ground and neutral terminals from #4-10 AWG.
5. Strip length of all lead wires 1/2 inch (13 mm).
6. Select the correct wiring diagram shown on the last page and wire the switch as shown.
7. Tighten terminal screws: switch 25 lb.-in. (2.8 N.m); ground and neutral 10-12 lb.-in. (1.2-1.4 N.m).
8. Take extra caution that there are no loose wire strands.
9. Re-install the enclosure cover. (Be sure the rope gasket is properly seated in the cover groove). Tighten the four screws to 20 lb.-in. (2.3 N.m).

NOTE

For BOTTOM and BACK FEED, see section "C" and Figures M3 and M4 for additional conduit entry instructions.

C. BOTTOM and BACK FEED: See Figures M3 and M4.

NOTE

Back feed is only permitted in a type 4X (IP67) installation.

1. Drill or punch a 1-3/8 inch diameter (30 amp) or 1-3/4 inch diameter (60 amp) hole in the enclosure for the conduit fitting. Molded drill spots on the outside bottom and back surface show the locations.
2. Be sure to install the pigtailed grounded (bonding) plate under the conduit nut.

WIRING

1. Use conductors with insulation rated 90°C or higher having sufficient ampacity in accordance with the 60°C column of Table 310-16 of the National Electrical Code or Table 2 of the Canadian Electrical Code.

CAUTION

Use copper conductors only.

Amps	Rating	Use Pin & Sleeve Plug Catalog #	Wire per Figure
30	120VAC	CH330P4W	W1
30	240VAC	CH330P6W	W2
30	480VAC	CH330P7W	W2
30	600VAC 3Ø	CH430P5W	W3
30	480VAC 3Ø	CH430P5W	W3
30	240VAC 3Ø	CH430P9W	W3
30	120/240VAC	CH430P12W	W4
32	380VAC 3Ø 50 HZ 440VAC 3Ø 60 HZ	CH432P3W	W3
30	347/600VAC 3ØY	CH530P5W	W5
30	277/480VAC 3ØY	CH530P7W	W5
30	120/208VAC 3ØY	CH530P9W	W5
60	120VAC	CH360P5W	W1
60	240VAC	CH360P6W	W2
60	480VAC	CH360P7W	W2
60	600VAC 3Ø	CH460P5W	W3
60	480VAC 3Ø	CH460P7W	W3
60	240VAC 3Ø	CH460P9W	W3
60	120/240VAC	CH460P12W	W4
60	347/600VAC 3ØY	CH560P5W	W5
60	277/480VAC 3ØY	CH560P7W	W5
60	120/208VAC 3ØY	CH560P9W	W5

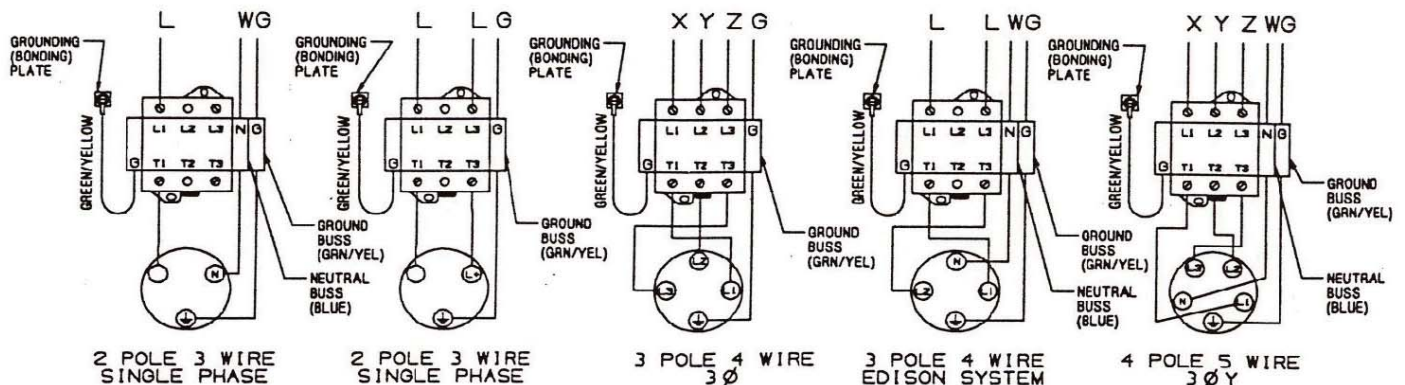
Fig. W1

Fig. W2

Fig. W3

Fig. W4

Fig. W5



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 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 herewith.