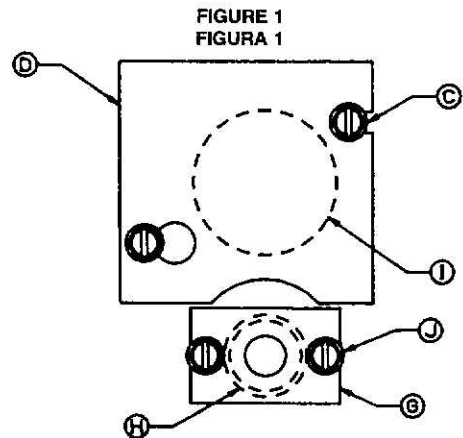


# MAGNULITER INSTRUCTION (MHK, MHP, MHW, MVK, MVM, MVW)

**WARNING:** To reduce fire and shock hazard: Disconnect power before servicing; install and maintain to meet applicable codes; ensure fixture and wiring are properly grounded.

## WIRING FOR MHP, MVM SERIES: Power Off.

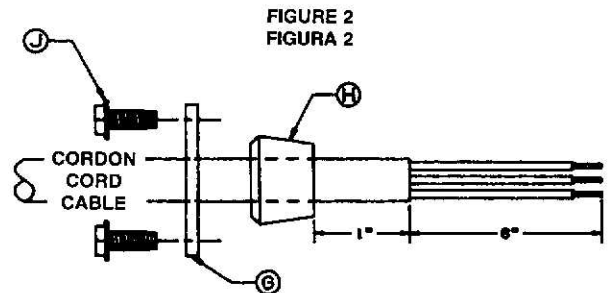
1. Locate the lower left back of fixture (Figure 1).
2. Loosen the screws (C) but do not remove, then slide open the wiring access cover (D).
3. Remove screws (J), insert (type 16/3 SO 90C) cord into the cover plate (G) and neoprene bushing (H) allowing 1" projection. (Figure 2).
4. Insert the wires into the housing then fasten the cover plate (G) with the (2) screws (J).
5. Fish out the supply leads through the bigger hole opening (I). The fixture lead wires were taped to the cover (D), remove and connect them to the proper supply leads.
6. Replace access cover, if 480V or Quad Tap unit with 277V input is ordered, open lens frame, install lamp and secure door.



## TO CHANGE LINE VOLTAGE ON QUAD TAP BALLAST (120V THRU 277V): SEE FIGURE 3

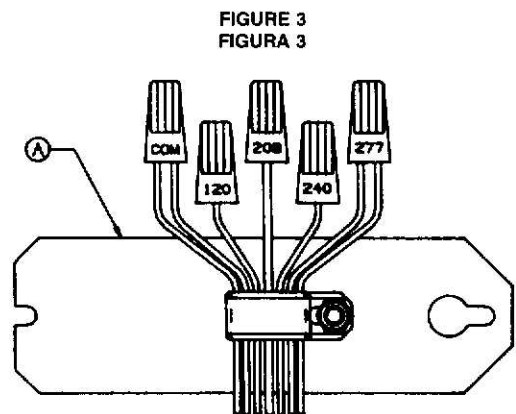
Quad Tap ballast are wired from the factory to 277 volts. If another voltage is required, do the following steps:

1. Open lens frame and locate access cover (A) on upper right side of ballast plate.
2. Loosen the (2) retaining screws, slide and pull out cover exposing ballast voltage tap leads.
3. The black line lead marked "Line" is connected to the 277 volt ballast. Disconnect from 277 volt and connect to the desired voltage. Place wirenut removed from desired voltage lead on the 277 volt lead.
4. Replace access cover, tighten screws and install lamp.
5. Close lens frame and tighten screws.



## FOR 1000W METAL HALIDE UNITS

1. Open lens frame and remove the (3) retaining screws from the foil cover.
2. Locate "BALLAST TAP LEAD" marked "277 volt" and black "Line" lead, disconnect line lead from 277 volt and connect to desired ballast voltage tap lead. Place wirenut removed from desired voltage tap lead onto 277 volt tap lead.
3. Replace foil cover, tighten screws, install lamp, close lens frame and tighten screws.



ACCESS COVER WIRING DIAGRAM  
QUAD UNITS ONLY  
DIAGRAMA DE CABLEADO DE LA TAPA  
DE ACCESO UNIDADES QUAD  
ÚNICAMENTE  
DIAGRAMME DE CÂBLAGE,  
COUVERCLE D' ACCÈS  
UNITÉS QUAD SEULEMENT

## MOUNTING AND AIMING

1. Hubbell Lighting Division has a variety of mounting accessories. Consult local Hubbell distributor.

**WARNING:** For proper drainage of fixture when aimed below horizontal, remove the (2) corner drain screws in back of cast housing closest to door hinges. When aimed above horizontal, remove the (4) corner drain screws in back of cast housing.

## FLOODLIGHT WITH TRUNNION: MVM SERIES

1. For convenience install the selected mounting bracket on the trunnion before mounting to structure.
2. Loosen trunnion bolts then aim the floodlight to the desired spot. Night aiming is often required for the most desirable results.
3. Tighten both trunnion bolts securely.



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**FLOODLIGHT WITH WALL/SURFACE BRACKET:  
MHW-MVW SERIES**

1. Slide wall bracket over supply wires and secure to wall using 9/16" holes spaced 4-1/16" vertically on the bracket center line. Seal with an approved ultraviolet light and weather resistant sealant.
2. Remove housing knuckle cover and screws.
3. Install floodlight with housing knuckle to bracket with 1/2-13x1-1/4 bolt and lock washer supplied in hardware kit. Set desired aiming angle and tighten 1/2" bolt securely.
4. Route supply wires through and around cable clamp in housing knuckle. Tie the supply wires around cable clamp and tie into knot. Make appropriate wire connections and then replace housing knuckle cover and tighten screws.
5. Install lamp and secure door.
6. NOTE: For pole mounting, install bracket using bolt plate and hardware supplied with unit. Insert bolt plate studs through pole mounting holes form inside pole. Follow sealing instructions in paragraph (1).

**FLOODLIGHT WITH POLE FITTER:  
MHK-MVK SERIES (Slipfits 2-3/8" O.D.)**

1. Remove housing knuckle cover and screws.
2. Install Pole Fitter to housing knuckle with the 1/2-13x1-1/4 bolt and lock washer supplied in hardware kit, set desired vertical aiming from horizontal and tighten 1/2" bolt securely.
3. Install unit onto pole tenon while feeding leads into knuckle. Install and tighten the (3) set screws and jam nuts supplied in hardware kit. Secure the installation with thru bolt, washer and nut supplied in hardware kits.
4. Route supply wires through and around cable clamp in housing knuckle. Tie the supply wires around cable clamp and tie into knot. Make appropriate wire connections and then replace housing knuckle and tighten screws.
5. Install lamp and secure door.

**CAUTION**

The Pole Fitter and Wall/Surface bracket floodlights rotate about the 1/2-13x1-1/4" housing knuckle bolt. Should further aiming adjustment be needed, be sure to support fixture first before attempting to loosen bolt. Fixture weighs approximately 50 lbs.

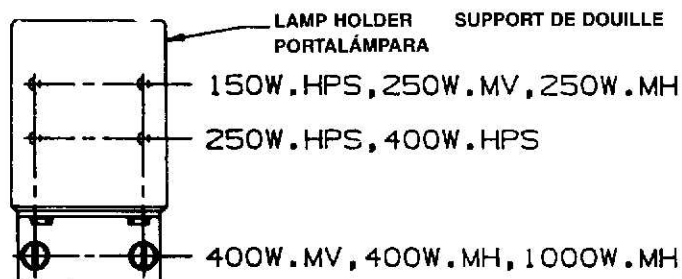
**NOTE**

Quality and product improvement is a continuous program by Hubbell Lighting Division. Data in this bulletin is subject to change without notice.

**IMPORTANT**

For units intended for remote ballast operation, the socket bracket is assembled at its lowest position to accept 400W Mercury & Metal Halide lamps. Other than the above standard position, change the location as shown in Figure 4.

FIGURE 4  
FIGURA 4



## WARNING

**UNITS INTENDED FOR USE WITH 120, 208, 240 OR 277 VOLT SUPPLY VOLTAGE HAVE TWO OR MORE PRIMARY VOLTAGE TAPS. REMOVE WIRENUT FROM DESIRED VOLTAGE LEAD AND CONNECT TO SUPPLY CONDUCTOR. MAKE SURE UNUSED VOLTAGE LEADS ARE SECURE WITH WIRENUTS!**



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