



# INSTRUCTIONS P.E. CONTROL KIT

**GE Lighting Systems, Inc. For Wallighter 175, Wallmount™ 400 and Owl® Luminaires**

Hendersonville, NC 28793-4506

## READ THOROUGHLY BEFORE INSTALLING

**WARNING: DANGEROUS VOLTAGES EXIST WITHIN THESE UNITS AND ALL PRECAUTIONS USUALLY OBSERVED IN HANDLING HIGH VOLTAGES SHOULD BE OBSERVED WHEN REPLACING LAMPS OR OTHERWISE SERVICING LUMINAIRES. DISREGARDING THIS WARNING COULD RESULT IN INJURY TO THE INDIVIDUAL INSTALLING OR SERVICING THIS EQUIPMENT.**

**NOTICE:** Underwriters' Laboratories will not list P.E. kits for field installation. Therefore installation of this control will void the U.L. Listing of this luminaire.

## INSTALLATION INSTRUCTION FOR WALLIGHTER 175, WALLMOUNT 400

1. Select the correct P.E. Control Kit.

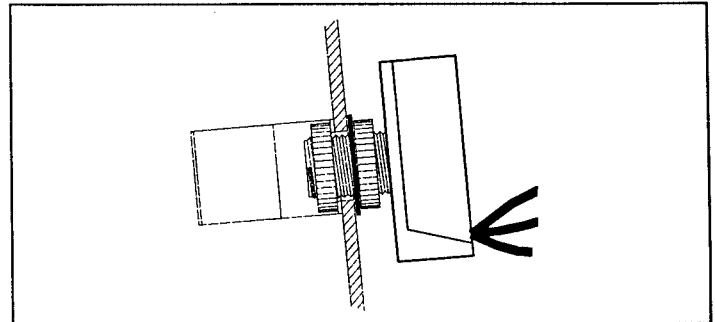
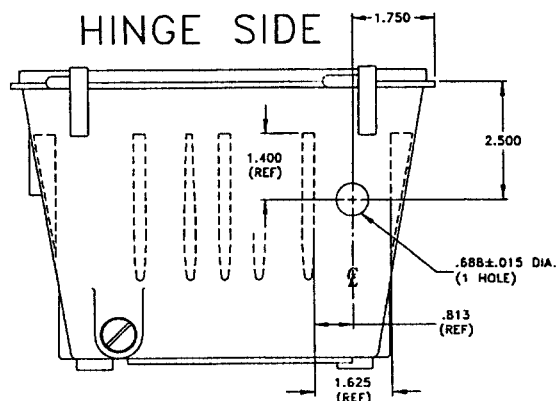
GE Catalog #	Line Voltage
PEK-120	120
PEK-240	208/240
PEK-277	277

## IDENTIFICATION

Only luminaires manufactured after March, 1982, can be field modified. These luminaires may be identified by the knock-out located in the side of the die-cast housing.

2. TURN OFF THE POWER.
3. Remove the luminaire from the wall if it has been installed.
4. Remove the ballast cover plate located on the back of the housing.
5. Remove the knock-out located in the side of the housing or drill hole (Figure A) for Wallmount 400.

**Figure A**



6. Start the hex nut on the P.E. control threads if it has come off during shipping.
7. Slip the P.E. control through the hole from the inside of the die-cast housing.
8. Space the hex nut on the P.E., so that the hex nut is flat on the inside surface of the housing.

**NOTE: DO NOT ALLOW THE P.E. CONTROL HOUSING TO REST AGAINST THE DIE-CAST LUMINAIRE HOUSING. EXCESSIVE PRESSURE ON THE P.E. HOUSING MAY CAUSE INTERNAL COMPONENTS TO FAIL.**

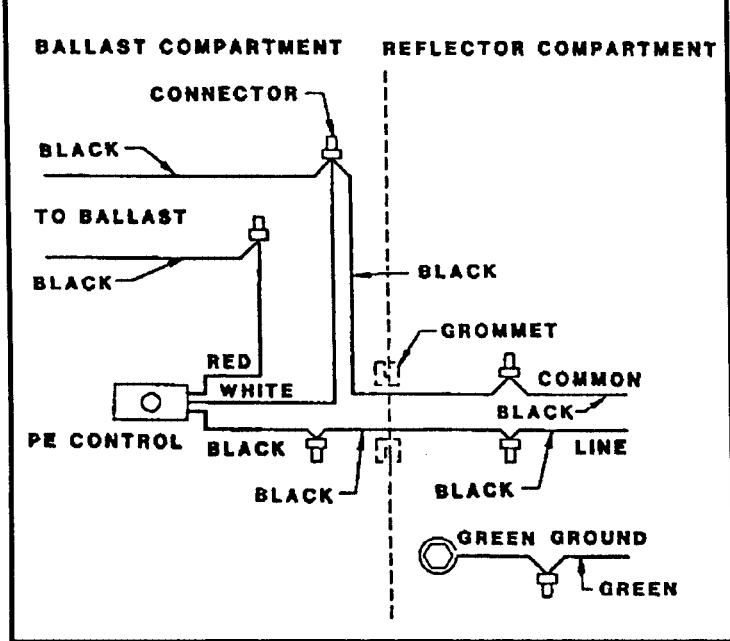
9. Place the external light shield over the P.E. threads. Secure the light shield and the P.E. control with the knurled nut.

**NOTE: DO NOT OVER TIGHTEN.**

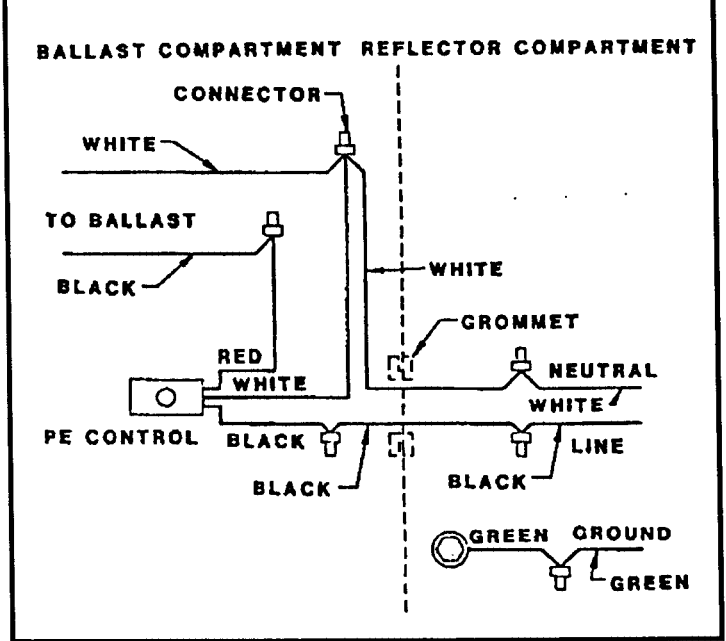
10. Locate the leads entering the ballast compartment.
11. Connect the wiring in the ballast compartment using the appropriate diagram on page 2. The three connections in the reflector compartment will be made in Step 14.
12. Replace the ballast cover plate.
13. Mount the luminaire.
14. Connect power leads to the luminaire leads located behind the reflector. Position the leads and splices so as not to interfere with the reflector positioning or make contact with the ballast.
15. Turn power on. The lamp should come on and turn off in less than two minutes if the control is exposed to daylight.
16. Light shield adjustment.
  - A. Loosen knurled nut on P.E. control.
  - B. Rotate, bend or, if necessary, remove the light shield, so that the light sensor is neither heavily shaded nor directly viewing any bright object.
  - C. Tighten knurled nut with moderate pressure. Do not over-tighten.

*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to General Electric Company.*

**WIRING DIAGRAM 1, 208V AND 240V**



**WIRING DIAGRAM 2, 120V, 277V**

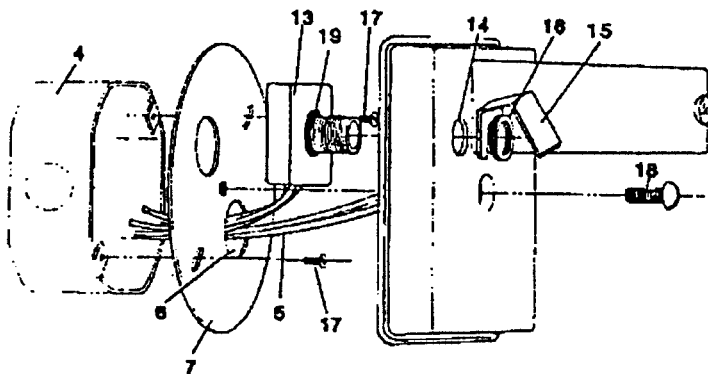


NOTE: Multivolt ballasted luminaires can be wired for either 120V or 277V using Diagram 2 above. These luminaires can be wired for 208V or 240V using Diagram 2 above. These luminaires can be wired for 208V or 240V using Diagram 2, with one change that the WHT NEUTRAL lead becomes a BLK COMMON lead.

In the ballast compartment connect the two-position plug for the desired line voltage. Refer to the table in Installation Instructions Step 1 to select the proper P.E. control kit for that line voltage.

**INSTALLATION FOR OWL® LUMINAIRE**

**Figure F**



NOTE: LIGHT SHIELD FOR OWL LUMINAIRE IS NORMALLY NEEDED ONLY WHEN GLOBE OPTICAL OWL-LBG IS USED.

To install, slide over photoelectric control threads. Adjust by bending tab up in front of photoelectric control cell.

**Optional Photoelectric Control PEK-120 Installation (Figure F)**

**CAUTION: Do not remove knockout unless a photoelectric control is to be installed.**

If photoelectric control (13) is to be installed, remove the knockout (14) on the wall bracket mounting accessory.

Remove knockout by tapping from side of knockout with handle of screwdriver and push cell (13) through hole. Attach nut (16) and optional light shield (15). Rotate the light shield so that sunlight and stray light do not strike the photoelectric control cell directly. Shadowing the photocell causes the light to turn on earlier and off later. Tighten the nut securely. Leads (5) should be pulled through entrance hole (6) of wall plate and connected within the box (4).

Wall plate (7) is attached to wiring box (4) with two #8 flathead screws (17).

Wall bracket mounting accessory is attached to wall plate of wiring box with one 1/4"-20 screw (18).