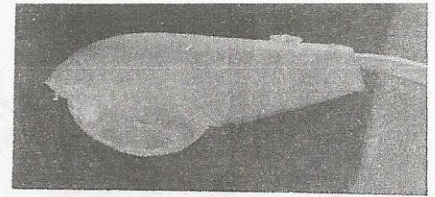


POWR/DOOR^(R) LUMINAIRES TYPES M-400A and M-250A



READ THOROUGHLY BEFORE INSTALLING

GENERAL

These luminaires are designed for outdoor lighting service, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures. Best results will be obtained if installed and maintained according to the following recommendations.

UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

CAUTION: Glass refractors must be protected from surface chips and scratches. Even minor surface damage will reduce the breakage resistance to a fraction of its initial strength.

INSTALLATION

Powr/Door luminaires are of two types. All have a captive screw required to secure the door to the top housing, while doors with ballasts for the Lucalox[®] lamp have, in addition, a convenience latch to be used only for "temporarily" holding the door in position while the captive screw is loosened or tightened. In all cases, to secure a door to the top housing, the captive screw **MUST BE TIGHTENED**.

Remove the rear door by loosening the captive screw (and operate latch if present) and rotate door to vertical position. Separate the polarized disconnect plugs and receptacle connecting the top housing wiring with the door assembly. Now grasp the door securely in both hands and rotate the door backwards until it comes free from the hinges in the top housing. This occurs at approximately 35 degrees from vertical on the pole side of the hinge. In this position the hinge pins will easily slide upward out of their hinges in the top housing.

The two-bolt pipe clamp combines leveling and clamping action with 1¼-inch through 2-inch pipe brackets.

Before mounting the luminaire, however, adjust the bolts such that the opening between the pipe clamp and rocker is slightly larger than the pipe size being used. Insert the pipe bracket approximately 4½ inches into the luminaire until it protrudes through the adjusting clamp and hits the stop at the inside end of the rocker. Adjust the clamping bolts so that the pipe clamp just binds the pipe bracket to the adjusting clamp. Under these loose conditions the luminaire can be rocked up or down 5 degrees with respect to the pipe bracket by pressing up or down at the outer end of the luminaire. A level pad is provided on the top of the top housing for convenient application of a hand level. When desired luminaire orientation is obtained, alternate tightening both bolts (to 18 ± 2 foot-pounds) from either inside or outside the luminaire housing.

When the photoelectric control is mounted external to the luminaire, the photoelectric receptacle should be oriented before the control is installed. Loosen the two holding screws and rotate the receptacle until "North" is directed as near as possible toward the true North. Tighten the holding screws and install the control.

For units with the internal Astrodome[®] photoelectric control there is no need to orient the control northward. To make the control turn on earlier, push the holding clip, rotate the control away from the photoelectric control window (Fig. 1), and release the holding clip. To make the control turn on later, rotate the control unit toward the window. A separate polarized disconnect plug and receptacle is provided for this control unit.

All Astrodome controls installed at the factory have been aligned for the proper footcandle setting. For any reason it becomes necessary to replace the control, align the calibration marks as shown in Fig. 1. Each Astrodome control is individually calibrated and the alignment marks

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 the General Electric Company.