



REG127 EX5

Ethernet Gateway Installation Guide

Location Recommendations

- ✓ Mounted outdoors, with a mounting height of ≥ 20 feet.
- ✓ Centrally located among the outdoor lights to be controlled and < 500 feet to the closest nodes if possible.
- ✓ Distance to closest nodes should not exceed 1000 feet.
- ✓ Located ≥ 12 inches from structures and/or heavy foliage, with a clear line of sight to as many nodes as possible.

Mounting Options

Pole Mounting

Use supplied universal mount, articulating bracket & hardware to attach to pole or pipe (See Figure 1). Diameter of pole or pipe must be between 1 and 3 inches.



Figure 1

Surface Mounting

Remove pole/pipe bracket coupling from the universal mount as shown in Figure 2; install the articulating arm directly to mounting surface using four $\frac{1}{4}$ inch anchor bolts as shown in Figure 3.



Figure 2



Figure 3

Orientation

- ✓ Pole/pipe may be vertical or horizontal, as the articulating arm provides universal adjustment.
- ✓ Gateway **MUST** be oriented vertically, with the large white antenna pointing up (power connection towards the ground), as shown in Figure 4.



Figure 4

Ethernet Connection

- ✓ Ethernet cable should be approved for outdoor use and UV rated.
- ✓ Ethernet cable should not exceed 300' in length.
- ✓ Ethernet cable must terminate to an RJ45 connector using T568B wiring standards.
- ✓ All cables should be tested prior to use.
- ✓ Ensure cord grip (included) is correctly installed as shown in Figure 5.



Figure 5

Electrical Supply Connection

- ✓ The gateway is supplied with 6 feet of cable and a NEMA twist lock power tap. The tap will connect directly to the fixture's NEMA receptacle and allows for a ROAM node to be installed on the top of the tap. See Figure 6 and 7 for proper installation.
- ✓ Acceptable supply voltages include 120V, 208V, 240V or 277V.
- ✓ The earth ground lug on the bottom of the unit - Figure 8 must be utilized.
- ✓ Ensure no wire insulation is captured by terminating screw.
- ✓ Enclosure shall be grounded using the ground screw by a licensed electrical contractor in accordance with local/ national code requirements.



Figure 6



Figure 7



Figure 8