



Ethernet Gateway Quick Start Guide

Location Recommendations

Gateway should be located such that it is:

- 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 ¼ 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. However, the gateway **MUST** be oriented vertically, with the large white antenna pointing up (power and Ethernet connections 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

- The electrical supply should be three (3) conductor wiring, with 300VAC rating.
- The gateway is supplied with eight (8) feet of cable and a flex conduit coupling. The electrical supply should be terminated into a junction box using ½" flex conduit to prevent contamination/ water intrusion (See Figure 6).
- Acceptable supply voltages include 120V, 208V, 240V or 277V.
- The earth ground lug on the rear of the unit (Figure 7) must be utilized. Ensure no wire insulation is captured by terminating screw.



Figure 6



Figure 7