



Flagpole Beacon External Installation Instructions

⚠ IMPORTANT SAFETY WARNINGS

1. **Electrical Safety:** Ensure all power is turned **OFF** at the breaker before beginning installation.
 2. **Qualified Personnel:** All wiring on 120V units must be performed by a qualified electrician in accordance with local electrical codes.
 3. **Pinch Hazard for New Installs:** When setting the pole, ensure the wire does not get pinched or sheared against the ground sleeve.
 4. **When in Doubt, Call:** Should any questions arise during installation, call (800) 962-0956 or email info@flagco.com.
-

Step 1: Pre-Installation Function Test and Pole Prep

1. **Before drilling any holes or applying adhesive**, connect the Beacon to your power source on the ground.
2. Turn on the power; the light should illuminate immediately.
3. If the light does not turn on, check your connections. **Do not proceed** with installation until the unit is confirmed working.

Step 2: Above-Grade Wiring Preparation (Recommended for Retrofits)

(Skip this step if you are wiring below grade)

1. Drill a 11/16" diameter hole in the flagpole at ground level.
2. Ensure the hole is positioned where the flash collar will hide the wire exit point.

Step 3: Below-Grade Wiring Preparation (Recommended for New Installations)

(Skip this step if you are wiring above grade)

1. Dig a trench in accordance with local code, running from your power supply to the ground sleeve location.
2. Drill a hole large enough to accept conduit in the side of the ground sleeve. This hole should align with your trench depth to allow for conduit/wire entry.
3. Drill a 11/16" corresponding hole in the flagpole shaft. This hole should align with the hole in the ground sleeve when the pole is seated. Drill this hole before pole assembly (Step 4).
4. Install any necessary conduit into the foundation sleeve hole, ensuring compliance with all local codes.
5. Run 120V-rated power wire from your power source through the trench and through the hole in the ground sleeve, leaving enough excess wire to connect to the wire from the Beacon inside the ground sleeve.
Note: All wire connections inside the ground sleeve must use weatherproof splice connectors rated for direct burial or wet locations.



Flagpole Beacon External Installation Instructions

Step 4: Mounting the Beacon

1. Assemble pole sections in accordance with flagpole manufacturer's instructions.
2. Insert the Beacon wire into the top of the flagpole shaft and feed it down.
3. Apply Loctite (or similar thread locker) to the Beacon spindle threads.
4. Screw the Beacon firmly into the top of the flagpole truck/adaptor. **Important:** Apply torque to the base only. Rotating the unit by the light housing may damage the fixture.

Step 5: Fishing the Wire

1. Go to the 11/16" hole in the flagpole shaft (drilled in Step 2 or Step 3).
2. Create a small hook at the end of a stiff piece of wire (such as solid copper wire) or use a fish tape.
3. Insert the hook into the hole, snag the Beacon power wire hanging inside the pole, and carefully pull the power wire out through the hole.
4. Pull the wire until most of the slack is removed from inside the pole but **leave enough slack at the top** to allow the Beacon to rotate.

Step 6: Erecting the Flagpole

- Carefully erect the flagpole into the ground sleeve following the flagpole manufacturer's instructions.
- **Note for below-grade installation:** Do not cover the conduit hole with sand until power is connected and tested.

CRITICAL: Ensure the wire exiting the bottom of the pole does not get pinched or sheared against the ground sleeve during this process.

Step 7: Final Connection

- Connect the power wire from the pole to the power wire from the power supply in the ground sleeve (or under the flash collar), using weather-proof splice connectors.
- Connect the power supply to your external timer or switch.
- For below-grade installations: fill the ground sleeve with sand and tamp once power is connected and tested.