GPS Receiver Quick Install Guide (Q12457)

GPS Receiver kit components

Part	Quantity
Mounting bracket	1
GPS 18 LVC and connector	1
M3 x 0.5 x 6 mm pan head screws	2
#6 x 3/8 sheet metal screw	3
Suction cups	3
U-bolt with nuts for mounting on 1 in. (2.54 cm) pole	1

Required tools and equipment to install GPS Receiver

The following tools and equipment are required to complete installation.

- Standard or hammer drill
- 5/8 inch concrete drill bit, 18 in. (45.7 cm) long
- Silicone caulk for GPS cable penetration
- Phillips screwdriver
- Slotted/Flat Head screwdriver

GPS Receiver mounting requirements

GPS Receiver location

- Must be mounted where it has a "clear view of the sky" to receive a GPS signal 24 hours a day.
- Typical mounting locations include the inside of a window (not a Low-E glass window), to an exterior pole, or on a rooftop.
- Must be kept away from large metal objects.
- GPS Receiver and cable must be mounted above any potential standing water, snow depth, leaves or other obstructions and is protected from the weather.

GPS cable

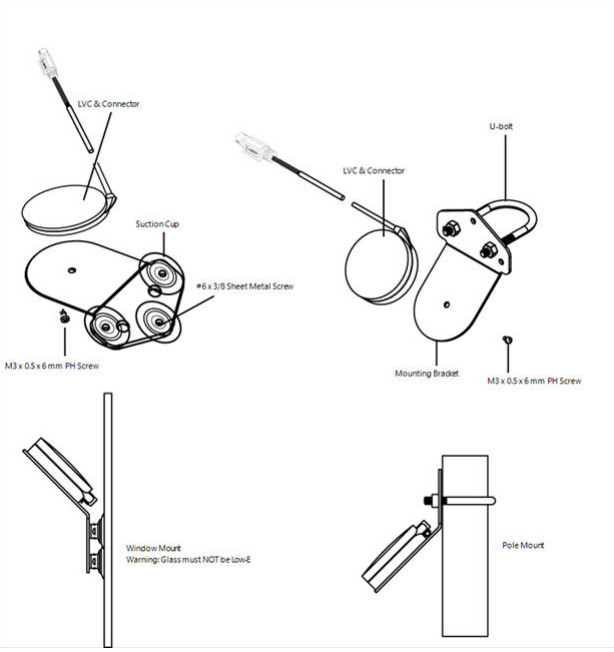
- 10 ft. (3 m) GPS cable supplied. Extension cables available from Primex.
- Maximum total distance of the GPS cable to the Transmitter cannot exceed 200 ft. (60.96 m).
- GPS cable located outdoors: cable routing to the inside of the building requires 2 in. (5 cm) minimum conduit and weatherhead. The use of a GelWrap splice enclosure is strongly recommended.

- GPS and extension cables connections must be weatherproofed.
- Supplied Ferrite Bead is required to be attached to the GPS cable to prevent electromagnetic interference (EMI) between the Transmitter and GPS Receiver. Ferrite Bead should be located no greater than an inch from the end of the GPS cable – as near as possible to the Transmitter GPS IN input connection.

Mount GPS Receiver

1. Verify the kit contents and the installation location meets the installation guidelines.
2. From the outside of the building, route the GPS cable.
   Transmitter with Internal Antenna: route through a 5/8 inch drilled hole into the building.
   Transmitter with External Antenna: route through a 3/4 inch drilled hole into the building.
3. Assemble and mount the GPS Receiver unit to either the inside of a window (not Low-E glass) or to an outside pole or rooftop. The mounting location is required to have a clear view of the sky.

> **NOTE**
>
> Be sure to follow local building code requirements when attaching the GPS unit to the inside of a window. Clean the windowpane before using the suction cups for attachment.



4. Route GPS cable and connect to Transmitter GPS connection.