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Model OD-ONT-CAB SERIES
OUTDOOR ONT WIRELESS ENCLOSURE
MATERIAL ID# 11344450

Installation Note

Description

The OD-ONT-CAB Series is a small weatherproof cabinet intended to house an ONT and associated power supply to supply fiber based broadband backhaul for cellular “small cell”: applications and other locations requiring high bandwidth services. When applicable, the broadband connection is protected by a CAT6 Gigabit Ethernet, protector with integral over voltage surge protection. The cabinet is designed to be either Pole or Wall mounted.

Cautions and Warnings

- Use proper safety equipment and follow company installation practices
- Ensure AC power is disconnected before wiring
- Unit must be grounded using a minimum #6 AWG solid wire
- Do not install product during a lightning storm

Contents

- OD-ONT-CAB Series Enclosure including:
 - Dual Ground Blocks
 - 372S-4G Ethernet Protector, when applicable
 - GFCI Protected AC Outlet
 - 3X Cable Glands for AC Power, Fiber, and Ethernet
- Mounting bracket

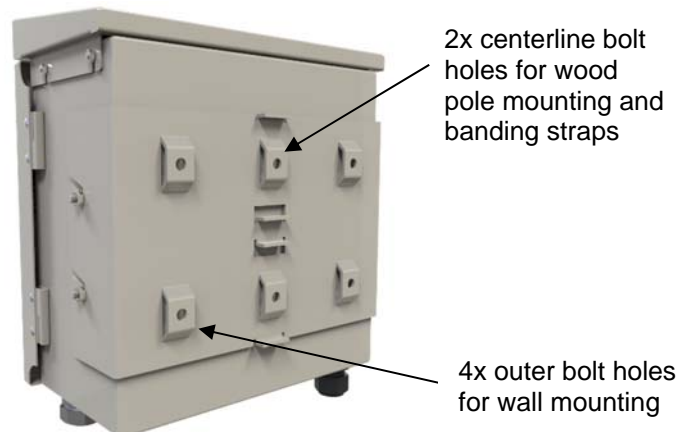
Installation

120VAC service, Safety Ground, and the Fiber Drop must be available at the mounting location prior to installation of the cabinet.

Unpack the unit and inspect for damage, and remove the cabinet from mounting bracket. Install ONT and Power Adapter. Prepare the pole or wall surface, providing adequate clearance from nearby obstructions. Select appropriate fasteners for the desired mounting location (not included). The following are suggested fasteners for common surfaces:

- Wood Pole – Two 3/8” diameter x 4” lag bolts
- Steel Pole – Two Stainless Steel Banding Straps
- Wall (wood) – Four 3/8” diameter x 1” lag bolts
- Wall (block, brick, concrete) – Four 3/8” Diameter x 1-1/2” bolts and anchors.
- 3/8” Washers should be used with all bolts

Mounting Bracket Overview



Wood Pole Mounting

1. Using the mounting bracket as a template, mark the pole at the two centerline bolt hole locations
2. Drill 15/64" pilot holes in pole approximately 4" deep at two locations
3. Mount bracket using two 4" hex head lag bolts and two 3/8" flat washers. Tighten lag bolts to your company's standard practice.
4. Verify the four nuts on threaded posts on the sides of the cabinet are loose so they can clear the slots in the mounting bracket
5. Slide cabinet completely rearward into slots in mounting bracket at a downward 40 degree angle. The cabinet will seat downward into the vertical slots in the mounting bracket.
6. Tighten four side nuts to bracket.

Steel Pole Mounting

1. Preinstall two steel bands into centerline lances (only) of the mounting bracket. Insert buckles onto each band, and bend bands behind buckles.
2. Wrap each band around the pole, and insert bands through the front of each buckle.
3. Insert band into banding tool, and tighten per manufacturer's instructions.
4. Secure band over buckle, and cut excess band.
5. Verify the four nuts on threaded posts on the sides of the cabinet are loose so they can clear the slots in the mounting bracket
6. Slide cabinet completely rearward into slots in mounting bracket at a downward 40 degree angle. The cabinet will seat downward into the vertical slots in the mounting bracket.
7. Tighten four side nuts to bracket.

Wall Mounting to Wood Surface

1. Using the mounting bracket as a template, mark the wall at the four outer bolt hole locations
2. Drill 15/64" pilot holes in wall approximately 1" deep at four locations
3. Mount bracket using four 1" hex head lag bolts and 3/8" flat washers. Tighten lag bolts using a torque to your company's standard practice.
4. Verify the four nuts on threaded posts on the sides of the cabinet are loose so they can clear the slots in the mounting bracket
5. Slide cabinet completely rearward into slots in mounting bracket at a downward 40 degree

- angle. The cabinet will seat downward into the vertical slots in the mounting bracket.
6. Tighten four side nuts to bracket.



Mounting to Brick, Block & Concrete Walls

1. Refer to applicable approved practices using recommended hardware.

External Connections

1. Install #6 AWG solid safety ground to external Ground Lug.
2. Verify AC Power is OFF, insert AC conduit through external fitting, and wire GFCI electrical outlet per National Electrical Code and company practice.
3. Remove outer nut and rubber insert of the oval shaped fiber cable entry gland. Open the slit in rubber grommet, and install around the jacket of fiber cable. Feed SC connector through bottom of enclosure, and reinstall rubber grommet and outer nut of cable gland.
4. Connect SC connector to ONT, storing excess bend insensitive slack on storage ears on interior right side wall of cabinet.
5. Install Ethernet cable to external equipment, (when applicable):
 - Insert cable through round hole gland
 - Strip jacket back approximately 2 inches
 - Untwist 1" of each wire pair and clean cut each wire. Do not strip insulation.
 - Lift each rocker using provided tab
 - Insert wires into color coded locations in rockers. Verify each wire is fully seated
 - Close rockers