

# Installation Instructions

Model Number 1070-00

## Assembly Components:

- Ceiling enclosure Model 1070-00 assembly – 1 each
- ½" Trade size cable clamps – 1 each
- #6 – 32 x 3/16 screw – 4 each
- #10 – 32 x 3/8 screw – 4 each
- Electrical Junction Box – 1 each
- Electrical Receptacle – 1 each
- Electrical Receptacle Cover – 1 each
- Self-adhesive Work Light – 1 each
- Caddy Speed Link support cable system (Y-Toggle and Speed Link LD – 2 each
- Installation Instructions – 1 each
- Keys for access door lock – 2 each
- Support wire – 4 each
- Fire Block Foam – 1 each

If any of these items are missing, contact your Oberon representative.

Find a flat work surface to assemble the *telecom ceiling enclosure* and rack mountable network components prior to mounting in ceiling.

Step 1 – Place the *telecom ceiling enclosure assembly* on the work surface with the door facing up and keyed doorway unlocked. If applicable, remove patch panel and fiber ingress cover plates (Figure 1) located on the outside edge and back of the box (near key lock) and install patch panel and CCH style fiber optic adapter panel according to the manufacturer's specifications.

**⚠️\*\*IMPORTANT\*\* - If patch panel or adaptor panel are not used, the covers should remain in place.**

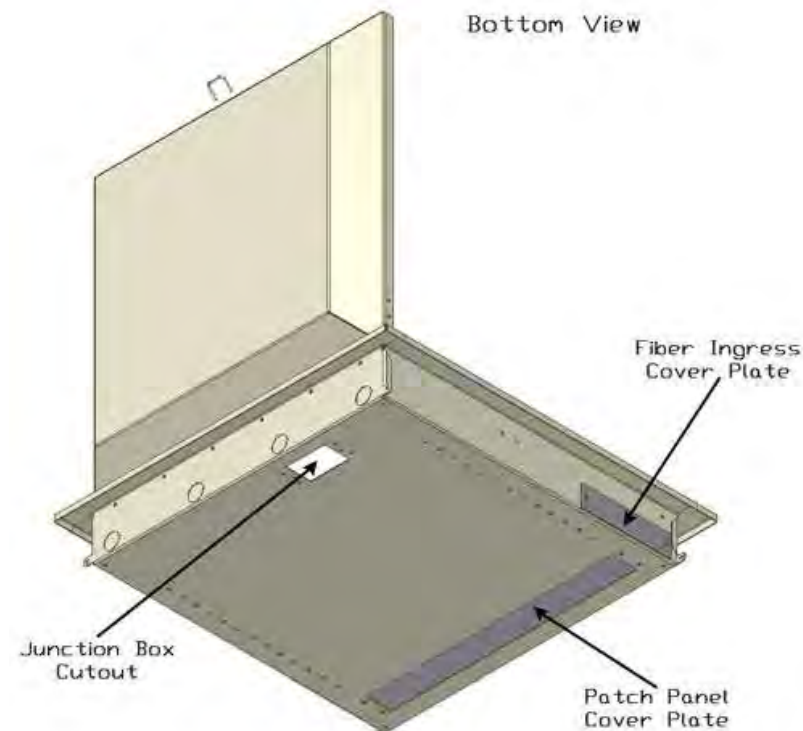


Figure 1

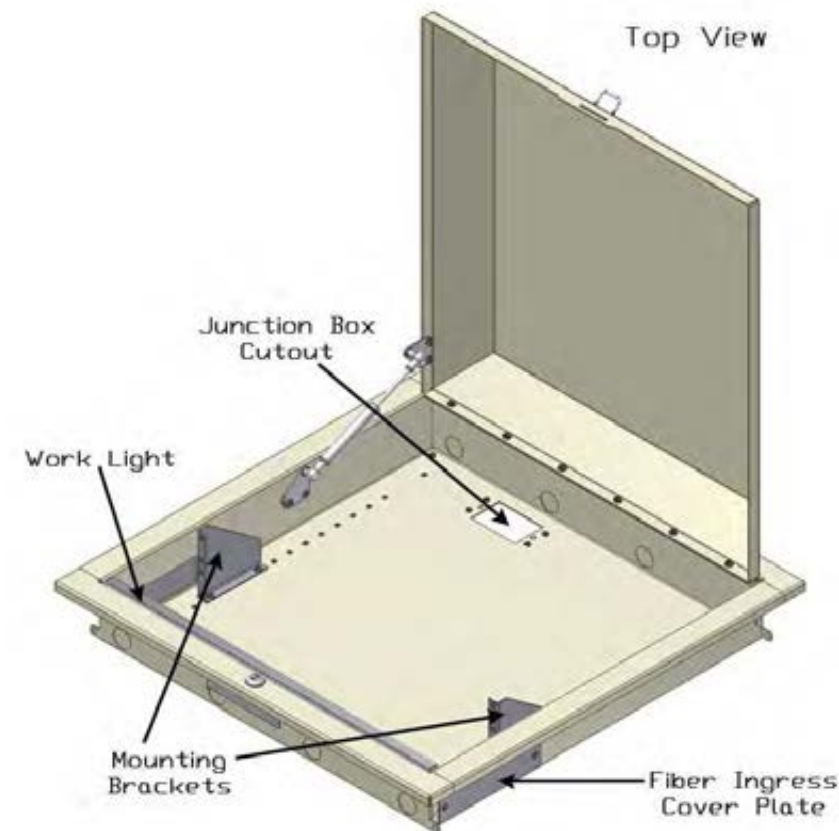


Figure 2

Step 2 – Attach the electrical junction box to the cutout located near the back of the enclosure (Figure 2) with four (4) #6-32 screws.

**⚠️\*\*IMPORTANT\*\* - The electrical junction box must be attached to the back box with all four (4) screws for it to be grounded properly.**

Step 3 – Adjust the position of the mounting brackets to allow the equipment power cord to be plugged into the receptacle.

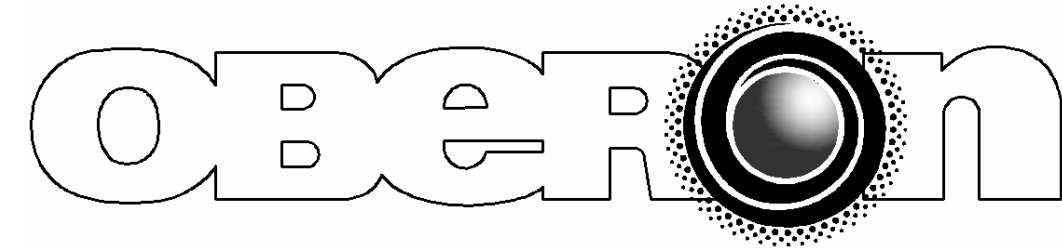
Step 4 – If desired, attach the self-adhesive work light (included) to the front wall of the back box (wall closest to the key lock) by removing the plastic strip that covers the adhesive backing and pressing it firmly against the front wall of the back box. The light should be located below the two screws that hold the lock cover in place.

Step 5 – Install all rack mounted equipment to the mounting brackets with four (4) #10-32 screws. The maximum height the enclosure can accommodate is 2U and the maximum length is 14". The mounting brackets can be repositioned to fit networking equipment of various lengths.

The assembled unit is now ready for ceiling installation.

Step 6 – Use wire rope support cables (included) to support the *telecom enclosure*. Attach one end of the wire to the eye tabs located along the edge of the back box and the other end to a permanent structural component of the building such as a joist. A supporting grid wire should be attached to all four corners.

**⚠️\*\*IMPORTANT\*\* - This is an important safety feature that could prevent human injury or damage to the equipment should the unit become dislodged from the ceiling.**



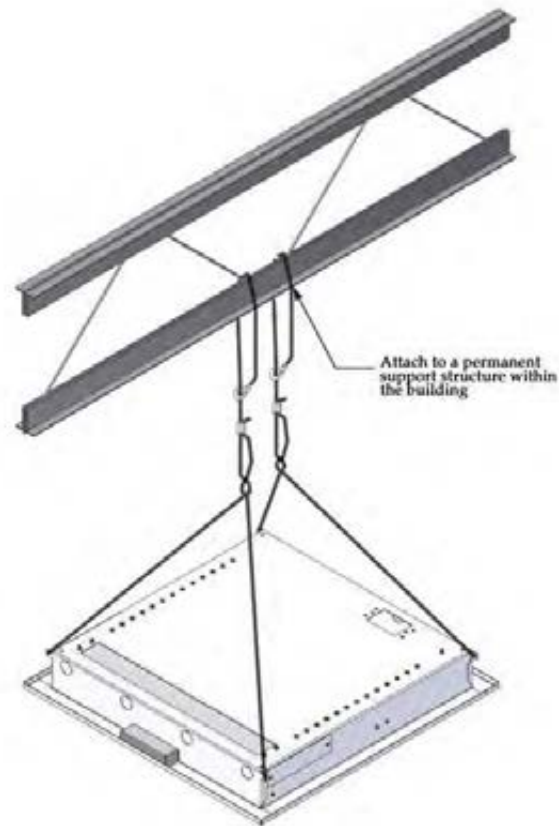
## MODEL 1070-00

### Installation Instructions

#### \*\*\*\* WARNING \*\*\*\*

### Please thoroughly read the product warning below before installation to provide for a safe work environment.

1. Ceiling mounted products should be installed in accordance with National Electric Code paragraphs 300.10 (Electrical Continuity of Metal Raceways and Enclosures) and 300.11 (Securing and Supporting). Independent support wires or other means must be used for the installation of this product in the ceiling. Acoustical, suspended, false, drop and concealed spline ceiling grid work is not designed to support the weight of this product. Oberon's ceiling mounted products have four support wire tabs on the back box. These tabs shall be used for supporting the product with independent support wires, wire rope, threaded rod, or other secure support means of adequate gauge and fire resistance.
2. When closing the enclosure access door, be sure that the cam lock is completely engaged to prevent the access door from accidentally swinging open.
3. When opening the enclosure door, be sure to support the door to prevent the door from accidentally falling open.
4. This enclosure has a maximum operating ambient of 55° C (131° F), the temperature within the enclosure may not exceed this temperature, depending on power dissipation within enclosure.
5. A minimum air clearance of 1" between the housing of the access point and the enclosure side walls must be maintained for the safe operation of the equipment.
6. This product is intended to be installed by trained personnel.
7. Only Listed ITE products and Listed AC Receptacles shall be installed within the enclosure.
8. This product is to be repaired by personnel trained by the manufacturer or returned to the manufacturer for repair or replacement.
9. Maximum weight to be installed in the unit is 44 lbs.
10. All knockouts, openings, and holes shall be sealed with a plug constructed of metal, or a non-metal material that complies with UL 2043 or UL 1479.
11. All unused mounting holes should be sealed with tape or other material that complies with UL 1479.
12. If AC power is used inside the enclosure, connect the ground wire to the green ground screw located near the knockout in the backbox.

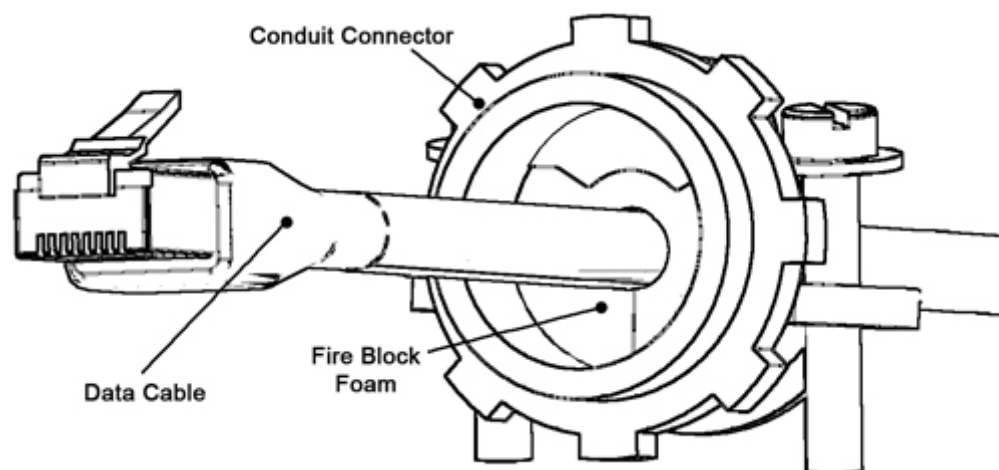


Step 7 – Once the *telecom enclosure* is installed in the ceiling, run the power cable to the electric junction box. The junction box/receptacle should be wired according to electrical codes.

**⚠️\*\*IMPORTANT\*\*** - *This procedure should be done by a trained electrician.*

Step 8 – Run the data and power cable (if required) through the conduit connectors located on sides of the *access point enclosure*. In order to maintain a separation of signal and power, install the data and power cables through opposite sides of the enclosure utilizing the two knock-outs provided. Insert foam into the conduit connector and pull the data cable through far enough to allow attachment to the access point (8" - 10"). Carefully tighten conduit connector around fire block foam just enough to fill in gaps around cable. Be careful not to over tighten and crush the data cable(s), as this can affect cable performance. Attach any additional data cables as necessary and power up the networked devices (*these should be plugged into the power outlet installed in the telecom enclosure*).

Step 9 – Close and lock the access door. The installation is now completed.



**Figure 8** – Tighten cable clamp around foam fire block so that there are no air gaps. Be careful not to over tighten and crush the Ethernet cable(s).

**Note:** The Oberon Model 1070-00 telecom enclosure is specifically designed to be used with networking equipment no bigger than 2U deep and 14" in length.