

INSTRUCTIONS: Low Voltage Mono Rail Model LM-OWP

Caution:

Read all instructions.

Turn off power at main switch before installing or modifying the system.

Do not install the system:

- Within six inches of any curtain or combustible materials
- Less than 5 feet above a floor
- In a damp or wet location
- Concealed, or extended through building walls.

After first 1/2 hour of operation, switch off and check all connections for excessive heat.

Loose connections must be tightened to prevent overheating which can damage the system and pose a potential fire hazard. Do not over tighten.

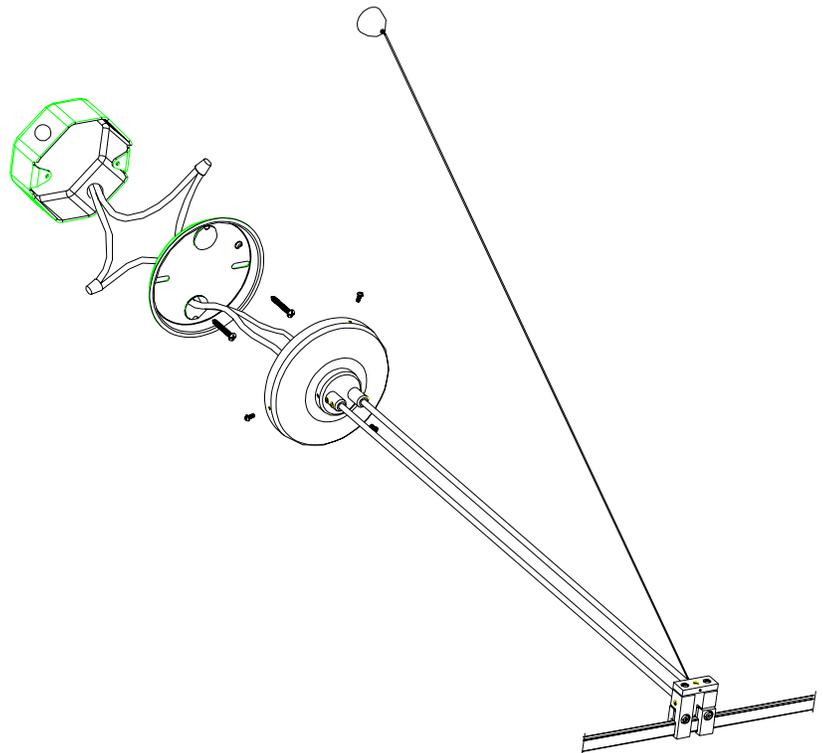
Intended for installation by a qualified electrician.

Installation should be in accordance with NEC and local codes. Use minimum AWG #10 wire for secondary wiring.

Overview: The out-rigger bars hold low volt monorail out from a wall surface. They are supplied in a standard length of 24" and may be field shortened. Aircraft cable is supplied with each out-rigger sufficient in length to form a 30 deg. angle. The cable may also be cut in the field.

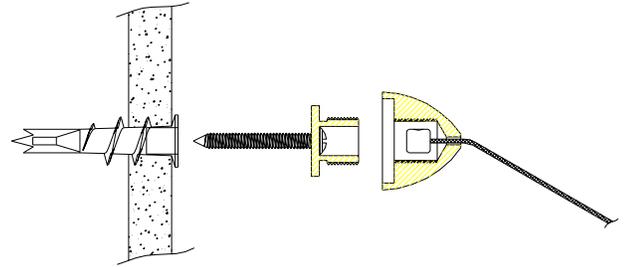
Power Feed Mount: The LM-OWP provides both structural support and carries current to the rail. The center of the canopy will need to be positioned at the desired rail height.

1. The power feed canopy covers a standard 4" octagon box. Loosen the three canopy screws and separate the canopy from the base plate.
1. Remove a knock out from the base plate.
2. Guide the wires from the canopy through the knock out in the base plate and into the Junction box.
3. Connect **low volt** wires coming from a **remote transformer** into the junction box, with the wires from the canopy.
4. Mount the base plate to the junction box with #8-32 screws.
5. Position the canopy to the base plate, and tighten the three screws loosened earlier.
6. Mount the wire support to the wall (see securing cable below).



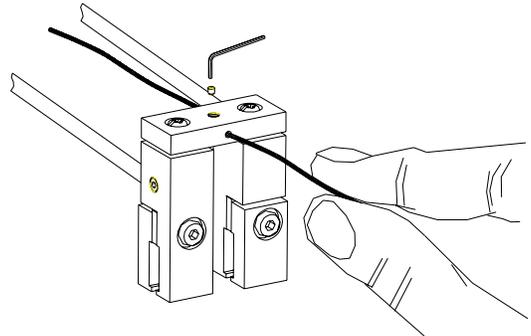
Securing cable to drywall:

1. Sufficient cable length is provided to mount cable base at a 30-degree angle.
2. For maximum strength, position the base on the wall as high as possible from the rod. No need to work under tension, you will be able to adjust the cable tension after mounting. (see cable tensioning).
3. Install wallboard anchor. Place a screw in the wall base and thread into the wallboard anchor until flush.
4. Thread the cable base clockwise to the wall base until flush with the wall.



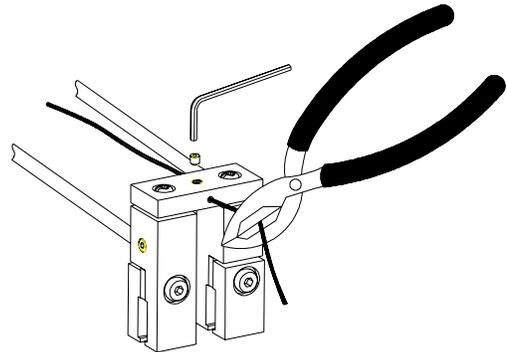
Tensioning:

1. Tensioning the rail is performed after mounting the cable base to the wall and prior to trimming the cable. (see securing cable to wall).
2. Pull the wire so that it is taught. Use two fingers to pull rather than pliers, to ensure the cable is not over tensioned.



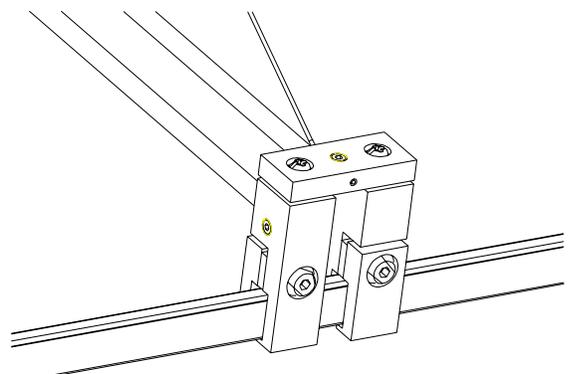
Trimming cable:

1. Using a 1/16" allen wrench, loosen the set screw on the top plate and feed desired cable length through the plate.
2. Tighten the setscrew so it grips the cable securely.
3. Use a wire cutter to cut away excess cable.



Powering rail:

1. Loosen the setscrews in both adapters, so there is sufficient clearance to slip the monorail between the two halves.
2. Gently seat the rail in position and tighten the set screws, making sure the rubber separator stays in position.
3. Check the fit of the rail, to make sure it fits flat against the adapter channel. Complete contact is necessary for proper performance.
4. After the first ½ hour of operation, switch off and check connections for excessive heat or color distortion. Low voltage light systems operate at higher amperage, which requires secure connections. A loose connection can lead to system damage and potential fire hazard. Correct by tightening, but do not over tighten. Then recheck hot spot to make certain it's corrected.



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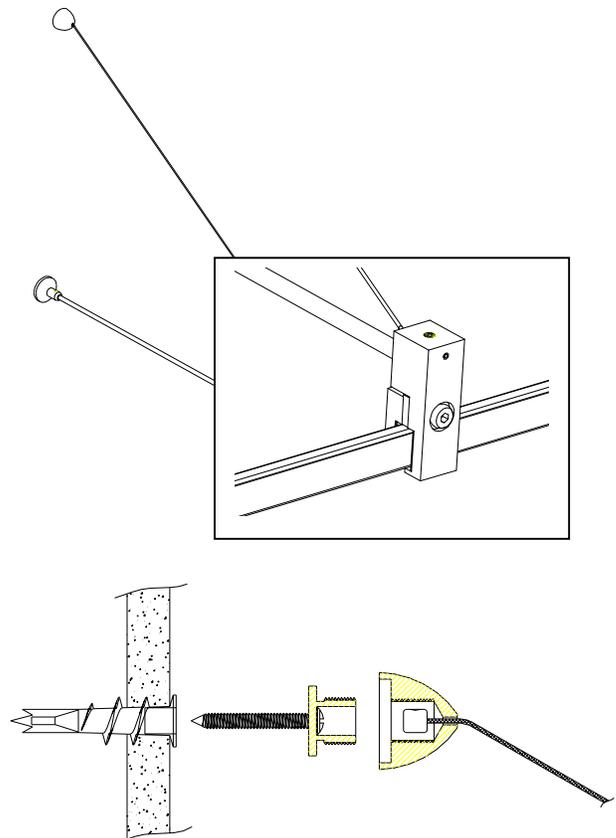
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Wall stand off mount:

1. Position rod standoff base at the same level as the rail.
2. Install wallboard anchor, then tread the screw through the base & into the anchor.
3. Thread the rod into the standoff base.
4. Install the cable base as described below (see securing cable to drywall).
5. At the rail end, loosen the setscrew in the adapter, so there is sufficient clearance to slip the monorail between the two halves.
6. Gently seat the rail in position and tighten the setscrew, making sure the rubber separator stays in position.



Securing cable to drywall:

1. Sufficient cable length is provided to mount cable base at a 30-degree angle.
2. For maximum strength, position the base on the wall as high as possible from the rod. No need to work under tension, you will be able to adjust the cable tension after mounting.
3. Install wallboard anchor. Place a screw in the wall base and thread into the wallboard anchor until flush.
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