Table Arm with Tee | Arm Anchor® | Remote Power
BoxRail®, RaceRail®, WingRail® | 107

Please read instructions in their entirety before proceeding with any part of the installation. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Consult a qualified electrician to ensure correct branch circuit rating. To prevent electric shock, disconnect all power before installing or servicing product. Rated for use in dry and damp locations only. Retain instructions for future reference.

Technical Support: 707-996-9898 or technicalsupport@vode.com

Installed View
NOTE: WingRail rail orientation is very important. Be sure wire harness connection (power) is on the right side of the rail and it is oriented as shown.

1. Install Arm Anchor
   CAN-107-D-2T-YY
   Double Arm Anchor

2. Install Power Supply
   RLP-XX...UNV
   Remote Power Supply Housing

3. Install Wire Harness
   WRH-MWP-XX-M-18/2-YY
   2-Conductor Wire Harness (25’ standard)

4. Install Tees
   TE-107-S-XX-YY
   Single Tee
   TE-107-D-XX-YY
   Double Tee

5. Install Rail
   107-WG-XX...YY
   WingRail shown

AM-107-S-XX-TA-YY
   Single Table Arm
AM-107-D-XX-TA-YY
   Double Table Arm

Install Tees
TE-107-D-XX-YY
Double Tee

Install Wire Harness
WRH-MWP-XX-M-18/2-YY
2-Conductor Wire Harness (25’ standard)

Install Tees
TE-107-S-XX-YY
Single Tee

Install Wire Harness
WRH-MWP-XX-M-18/2-YY
2-Conductor Wire Harness (25’ standard)

Install Tees
TE-107-D-XX-YY
Double Tee

Install Rail
107-WG-XX...YY
WingRail shown

Install Arm Anchor
CAN-107-D-2T-YY
Double Arm Anchor

Install Power Supply
RLP-XX...UNV
Remote Power Supply Housing

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Installation Instructions

1 Install Arm Anchor

Determine layout using center-to-center dimensions, see page 6. Arm Anchor is designed to install into stable surfaces between 1/8” and 2 1/4” thick. For all Arm Anchor locations drill 1-11/16” hole and slide arm anchor into hole, secure with washer and nut. Each arm anchor is provided with 1/2” -14 NPSM female conduit thread.

See page 7 if system has been supplied with an on/off switch. Install anchor following above instructions, with this step.

NOTE: Vode low voltage wire harness is plenum rated. Install conduit to power supply housing as needed, per local building code.

2 Install Remote Power Supply

Install power supply housing to desired surface using screws (provided by others). Run line voltage wiring into power housing through knockout and secure with 1/2” -14 NPSM fitting. Ground housing by connecting ground/earth to green slot in the quick-connect. Connect common/neutral to white slot in quick connect and line/hot to black slot in quick disconnect. (See page 8 for wiring questions.)

See page 7 if system has been supplied with an on/off switch. Install wiring with this step.
3 Install Wire Harness

Feed low voltage wire harness through arm into remote power housing. Power should always be brought into the right side of the fixture. Connect wire harness to power supply using Red (+) and Black (-) leads. Leave approximately 1” of wire harness hanging out of the arms.

DO NOT POWER ON

4 Install Tee

Connect wire harness to jumper in the tees using quick connects, as shown below. Be sure connectors are firmly fastened. Push excess wire into the arm and insert tee into the arm. Secure tees to the arms using provided screws.
## 5 Install Rail

Connect rail wire harness to power harness using quick connects, as shown below. Be sure connectors are firmly fastened. Push excess wire into the arm(s), insert rail hub into the arm and secure in place using provided screws. Before securing rail, check that both hubs are aligned and rotates easily. DO NOT FORCE.

**POWER SYSTEM ON.**
Appendix | Center to Center Dimensions

Center to Center
2' Rail = 23.75" (603 mm)
3' Rail = 35.75" (908 mm)
4' Rail = 47.75" (1213 mm)
5' Rail = 59.75" (1518 mm)

Center to Center
2' Rail = 24" (610 mm)
3' Rail = 36" (914 mm)
4' Rail = 48" (1218 mm)
5' Rail = 60" (1524 mm)

Center to Center
2' Rail = 23.75" (603 mm)
3' Rail = 35.75" (908 mm)
4' Rail = 47.75" (1213 mm)
5' Rail = 59.75" (1518 mm)

Center to Center
2' Rail = 23.75" (603 mm)
3' Rail = 35.75" (908 mm)
4' Rail = 47.75" (1213 mm)
5' Rail = 59.75" (1518 mm)

Center to Center
2' Rail = 23.75" (603 mm)
3' Rail = 35.75" (908 mm)
4' Rail = 47.75" (1213 mm)
5' Rail = 59.75" (1518 mm)

Center to Center
2' Rail = 23.5" (597 mm)
3' Rail = 35.5" (902 mm)
4' Rail = 47.5" (1206 mm)
5' Rail = 59.5" (1511 mm)
Installing On/Off Switch Arm Anchor *(optional)*

Drill 1-11/16” hole. Secure On/Off Switch Arm Anchor to surface using washer and nut provided. Anchor is supplied with 1/2” -14 NPSM female thread. Conduit and conduit adaptors are provided by others.

**IMPORTANT!** Before installing on/off switch, turn off power at fuse box. On/off switch has 2 black wires attached. Connect 1 wire to the driver and one to the line voltage. The provided wires are 46” long.

### Wiring Guide

*Driver Example (see Vode Driver Guide for exact driver)*

DO NOT USE

**To Line Voltage**
Trouble Shooting Guide

**Fixture will not turn on:**

Check all wiring is correct and all connections are fastened properly.

If all wiring is correct, remove fixture and connect it to a known working driver. If the fixture lights up, then the problem is with the installed driver or wiring:
1) Check line voltage to driver is present.
2) Check driver wiring (see Vode Driver Guide for details) and check wiring to fixture.
3) Check driver and dimming system are compatible (see Vode Dimmer Guide and the dimmer manufacturer's website).

If fixture still doesn't light up, check all dimming wires are installed correctly. Reversed polarity at any point in the system will cause the entire system to not work, (see Vode Driver Guide for wiring details).

**Fixture is not dimming properly:**

Check all wiring is correct and all connections are fastened properly.

Check driver wiring (see Vode Driver Guide for details). Make sure driver is compatible with dimming controls (see Vode Dimmer Guide and the dimmer manufacturer's website).

**Rail is not rotating:**

DO NOT FORCE RAIL! When properly installed, rails will turn easily.

Check that both hub set screws are loose. If rail will still not turn, uninstall rail from arms, paying attention to the wire harness connection. Check that both hubs and arm tabs are rotated in the same direction.

For any help with operation or technical information, contact Vode Tech Service at 707-996-9898 or technicalsupport@vode.com.

Important Notes

- Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA.
- Operating Temperature: 32°F to 104°F (0°C to 40°C).
- Input Voltage: 120v - 277v, 50/60hz.
- Power Type: Class 2 (<60v) constant current driver.
- Dimming curve is factory preset to linear. Logarithmic is available upon request. See Vode Driver Guide for specific details and wiring diagram.
- Unless specified, one driver per rail will be supplied.
- 5 Year Limited Warranty. All material and component parts manufactured by Vode are guaranteed to be free from defects of material and/or workmanship for a period of 5 years from date of sale. Product must be installed according to Vode installation instructions and accepted trade practices. Power supplies and other auxiliary equipment is not covered under Vode warranty but may be covered by separate OEM warranty.

Remote Driver Distance

**Note:** All Vode remote drivers come in a 1/16” (0.8mm) formed steel, zinc chromate plated power supply housing with six (6) knockouts for 1/2" NPT fittings. Power supply housing dimensions: 1.9” (48.3 mm) x 1.9” (48.3 mm) x 24.5” (622.3 mm)

<table>
<thead>
<tr>
<th>Driver</th>
<th>Maximum Remote Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>eldoLED</td>
<td>72’ (21.9 m)</td>
</tr>
<tr>
<td>Philips</td>
<td>32’ (9.8 m)</td>
</tr>
<tr>
<td>OSRAM</td>
<td>16’ (4.88 m)</td>
</tr>
<tr>
<td>Lutron</td>
<td>Zipper board: Standard / Low Output: 30’ (9.14 m), High Output: 15’ (4.57 m) Button board: Standard / Low Output: 15’ (4.57 m) High Output: 10’ (3.05 m)</td>
</tr>
</tbody>
</table>

For other wiring questions, see Vode Driver Guide.