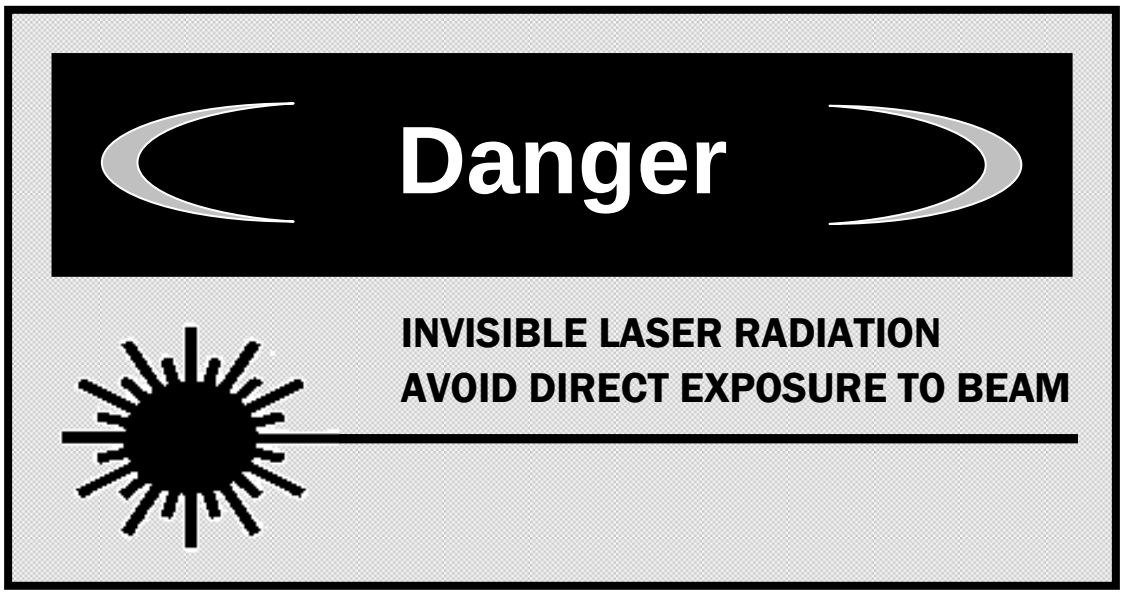
cable equipment, inc.

TLRC-4

Installation Manual



WARNING

The light emitted from lasers is invisible and may be harmful to the human eye. Avoid looking directly into the output fiber connector, fiber cable connectors and fiber pigtails or into the collimated beam along its axis when the device is in operation. Operating lasers outside their maximum rating may cause device failure or a safety hazard.

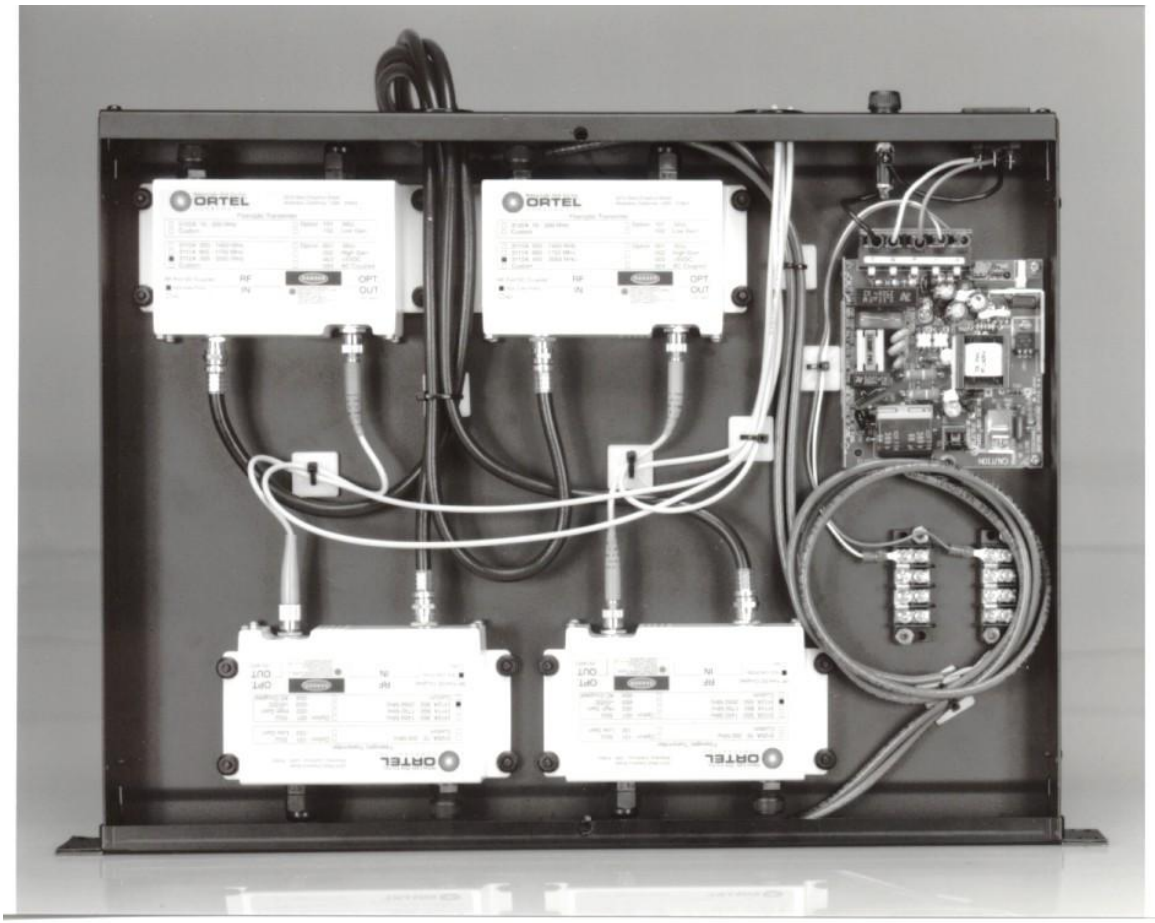
Caution

Prior to installation or removal of any components or removing the cover, disconnect power from the unit and remove the unit from the rack.

Mounting Transmitters or Receivers

To install or remove the fiber transmitters or receivers, the top cover must be removed. To remove the top cover, 6 Phillips head screws have to be removed, 2 from each side and 2 from the top. Once the screws are removed, slide the cover towards the front of the chassis until the rear edge of the cover is exposed at the rear of the chassis. At this point lift up on the rear of the cover and slide backwards away from the chassis front.

In the chassis there are 16 mounting studs to mount the Olson OLRT/OLRR fiber transmitters or receivers. The units are mounted as per Photo 1 using the supplied nuts and washers. Please note that sides of the Olson units with the power leads and fuses are to be mounted towards the outside of the chassis. This will put the RF and Fiber connectors towards the center of the chassis for ease of cable installation.



15 Volt DC Connections

The power leads on the Olson units should be routed along the edge of the chassis towards the terminal strips in the right front of the chassis (when viewing the chassis from the front). Wire ties and wire tie mounts are provided to secure the leads in place.

Cut the power lead on the Olson units to the proper length and connect the wires to the terminal strips using the solderless connectors provided. The black wires on the units are connected to Terminal B, NEGATIVE. The red wires are connected to Terminal A, POSITIVE. The Brown or White wires are for alarm signaling (see manual).

Fiber and RF Cable Connections

To install the fiber cables (pigtails already spliced) and RF cables, position the chassis in front of the equipment rack. Route the Fiber and RF cables through the front rack opening where the chassis will be installed. Route the RF and fiber cables through the bushings in the back of the chassis. Connect the fiber cables to the corresponding transmitter or receiver and tighten the connector – hand tight only. Secure the fiber cables to the wire tie mounts leaving service loops for strain relief. Connect the RF cables to the corresponding transmitter and receiver and secure with wire ties.

Rack Installation

Re-install the top cover on the chassis and secure with the 6 screws previously removed. Slide the chassis into the rack opening being careful not to pinch or damage the RF and fiber cables. Secure the chassis to the rack with four screws.

Turning On

Prior to connecting the power source, follow the instructions supplied with the Olson units. Failure to do so can lead to failure of the Olson units. The power supply is a switching model and will accept either 117 VAC or 220-240 VAC input.

SPECIFICATIONS

SIZE	1 ¾" X 19" X 13 ½"
WEIGHT	12.5 lbs, 5.7 kg
INPUT	85 – 264 VAC, 50-60 Hz
CURRENT	@ 120 VAC – 0.3A typical, 0.4A max @ 240 VAC – 0.2A typical, 0.3A max
OUTPUT	15 VDC
CURRENT	1.0A
POWER	15W
FUSE	250V 1A
TEMPERATURE RANGE	0° to 50°C ±2%

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