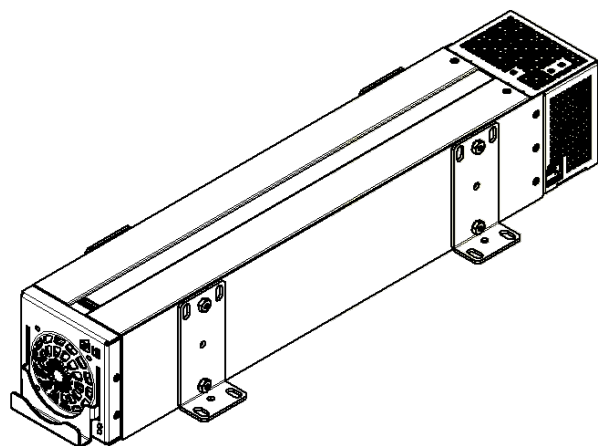


Warranty: If this unit fails during the warranty period, contact tii customer service to authorize return. Unit may be returned prepaid.



141 Rodeo Drive
Edgewood, NY 11717
Toll Free 888.844.4720
www.tiitech.com

Models:
FMPS-SM Single Upconverter Housing
and
FMPU-2000 Upconverter Module



Installation Note

Description

Model FMPS-SM accommodates a single 2000W Upconverter Module FMPU-2000. The upconverter module converts AC utility power to $\pm 190\text{VDC}$ for transmission over standard copper or Hybrid telecommunication cables, providing "Line Power" to remote equipment. The device is compliant with Fault Managed Power Systems specifications, ensuring safety to all personnel having access to the high voltage lines.



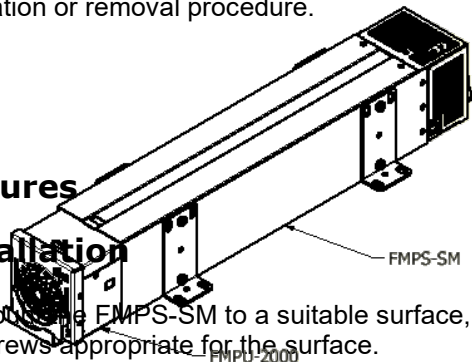
WARNING!!!

Potentially lethal voltages are present within the power system and its connectors/wires. AC Power should always be disconnected when working on the unit. Always assume that an electrical connection or conductor is energized. Check the circuit with a voltmeter with respect to the grounded enclosure (both Input AC and Output DC) before performing any installation or removal procedure.

Features

Installation

1. Mount the FMPS-SM to a suitable surface, using screws appropriate for the surface.



2. Install the grounding wire to the grounding stud and secure with the washer and nut supplied with this unit (Fig. 2).

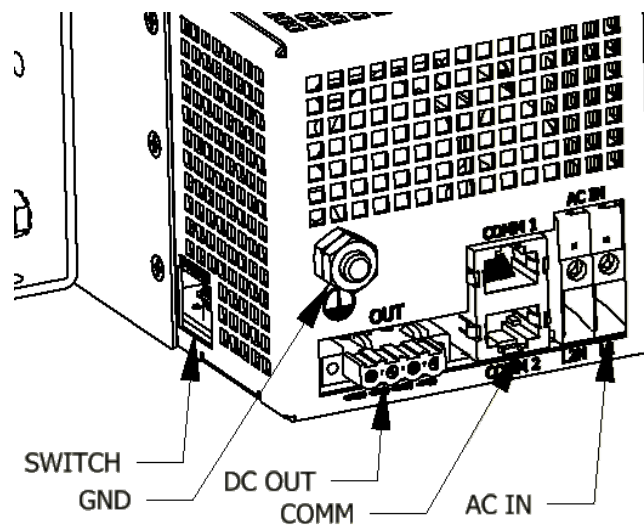
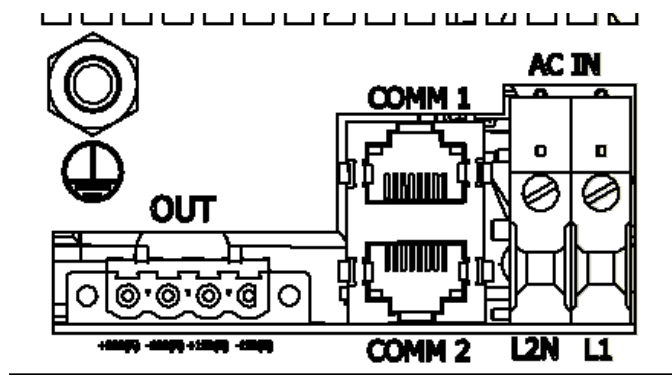


Figure 2



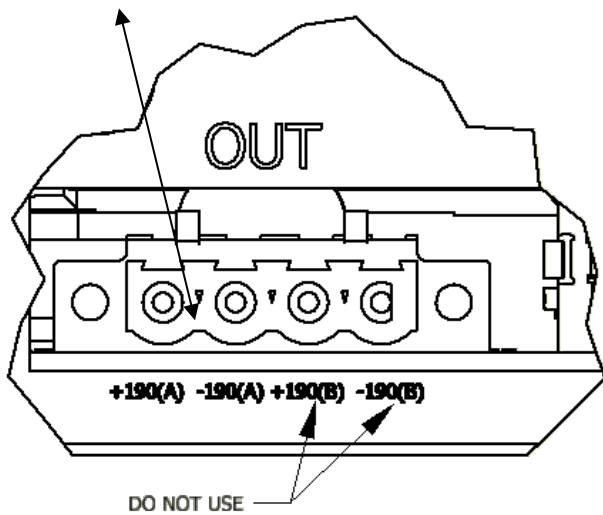


Figure 3

3. Install AC power to the AC IN connector by inserting wires and tightening the screw lug. Plug in COMM RJ45 connector (if utilized).

Install the Red wire to the +190(A) and the Black wire to the -190(A) DC OUT connectors.

Do not use outputs for +190(B) and -190(B) (Fig. 3).

Switch:

When using only one unit, make sure switch position 1 is set to the "ON" position and all other positions are OFF.

When using more than one unit in a single cabinet, set each unit to a unique switch setting, i.e. the first unit has switch position 1 set to ON, unit number 2 has switch position 2 set to ON, etc. Only one switch per unit should be set to ON, all others should be set to OFF.

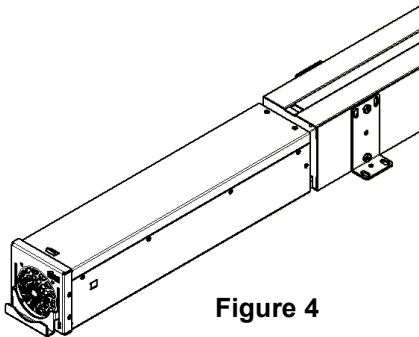


Figure 4

4. Slide FMPU-2000 into the FMPS-SM cavity (Fig. 4).

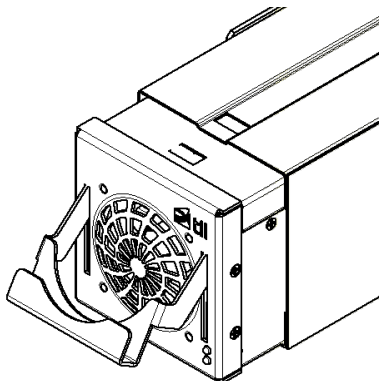


Figure 5

5. Lift the handle before fully engaging Module into the FMPS-SM cavity (Fig. 5).
6. Make sure that handle is fully latched into the housing groove (Fig. 6).

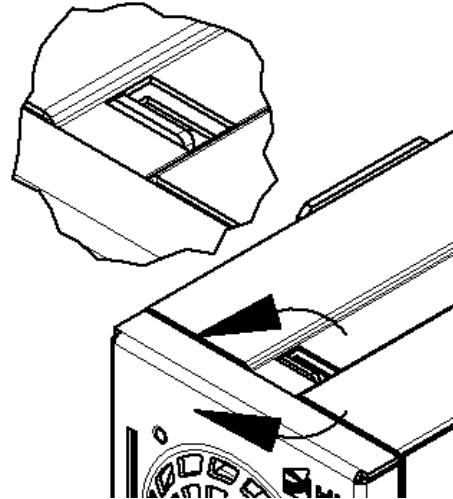


Figure 6

7. When the Up converter is fully inserted, apply AC power. Both LED lights turn green (Fig. 7). Note the lower light may be blinking.

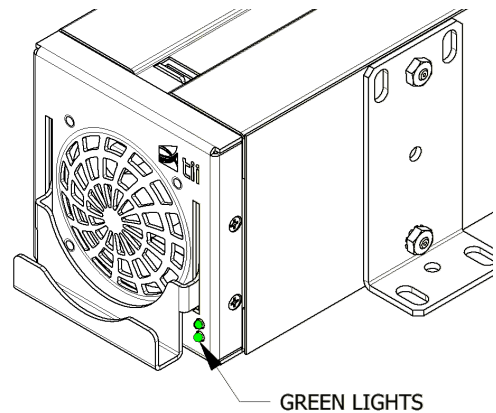


Figure 7