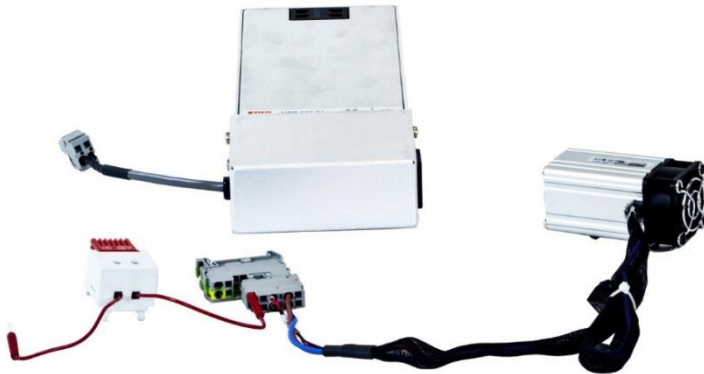




INSTALLING THE 300W AC/DC POWER SUPPLY PLUS HEATER INTO ENVIRONMENTAL ENCLOSURE

INSTALLATION GUIDE

P/N 6012152, REVISION A
OCTOBER 2018



This guide will help you quickly install the 300W AC/DC Power Supply plus Enclosure Heater into the Environmental Enclosure.

Unpacking

1. Unpack the power supply plus enclosure heater and verify that all the items listed in the following table are present.
2. Contact [TSI](#) immediately if items are missing or broken.

Qty.	Item Description	Reference Picture
1	Power Supply, 300 watts	
1	Thermostat	

Qty.	Item Description	Reference Picture
2	Thermostat Wires	
1	Heater	
2	Vent Plugs	
4	Nuts	
4	Washers	



Warning Labels



Warns that the instrument could be hot to the touch or a burn hazard.

Installing the Power Supply and Enclosure Heater

1. Connect the power cable to the power supply.



2. Install power supply onto threaded studs.



3. Using a 7/16" socket on a socket wrench, install the 4 nuts and washers (hand tight) to secure to the power supply to the threaded studs.



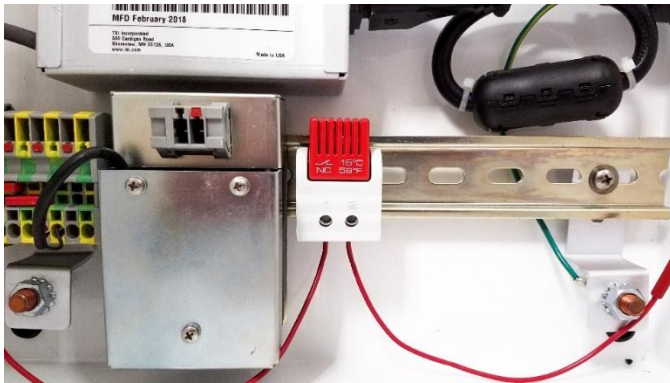
4. Connect the power cable to the DIN rail.



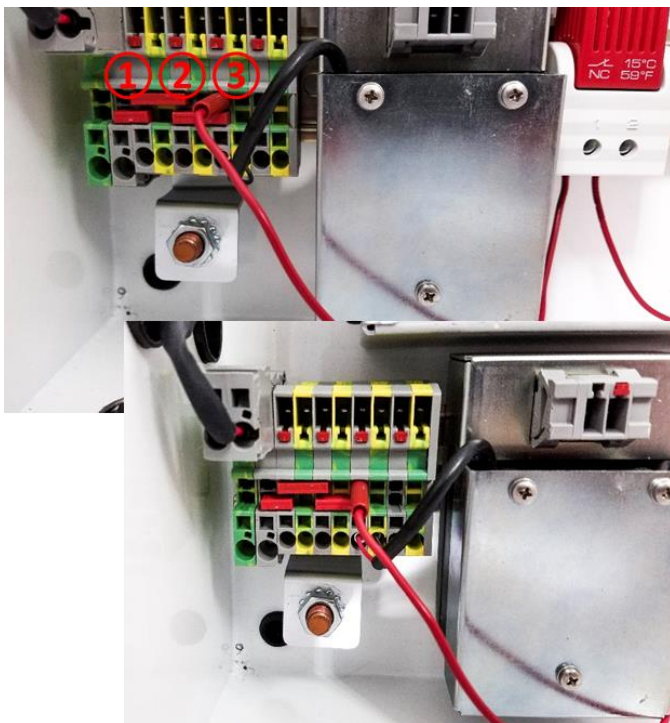
5. Using a small flat blade screwdriver, install the red wires onto the Thermostat.



6. Clip the Thermostat onto the lower DIN rail.



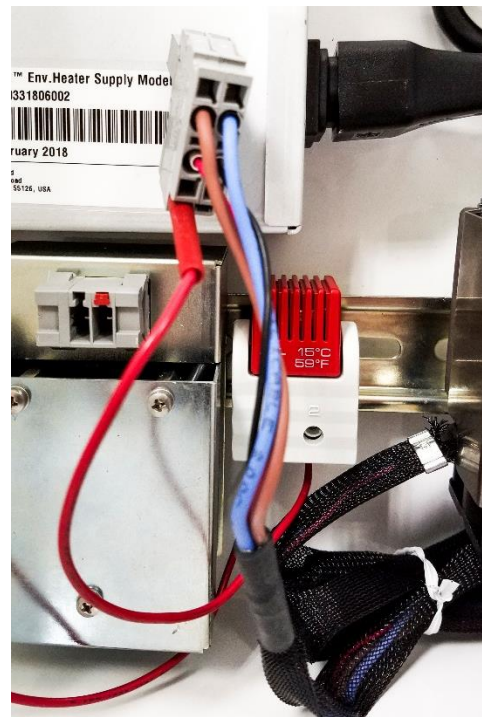
7. Insert the #1 wire from the left side of the Thermostat into the 3rd Gray connector.



8. Clip the Heater onto the lower DIN rail.



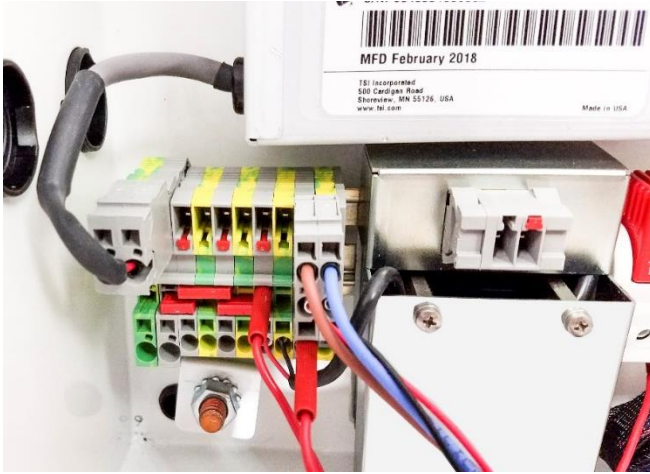
9. Insert the #2 wire from the right side of the Thermostat into the left side of the heater connector.



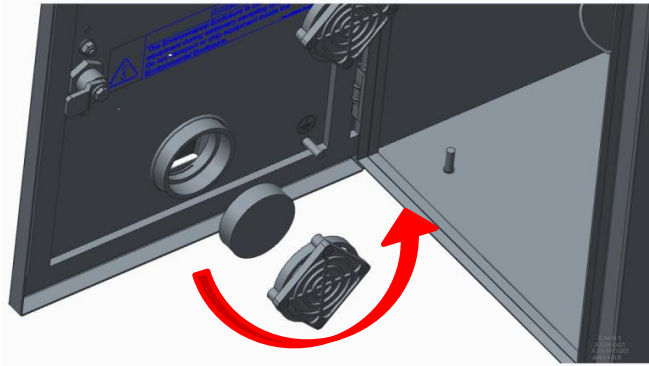
DO NOT PLUG THE THERMOSTAT WIRES INTO THE GREEN/YELLOW PHOENIX GROUND CONTACTS

THE THERMOSTAT *MUST* PROVIDE POWER TO THE HEATER. BYPASSING THE THERMOSTAT, OR PLUGGING THE HEATER DIRECTLY INTO THE POWER SIDE OF THE DIN RAIL, WILL CAUSE THE HEATER TO RUN CONSTANTLY AND MAY DAMAGE EQUIPMENT AND LEAD TO PREMATURE FAILURE(S).

10. Insert the heater connector into the final pair of DIN rail 24V DC power supply connectors.



11. Insert vent plugs into openings to help keep heat inside enclosure in cold environments. Twist covers counter clockwise to remove. Hand-tighten after inserting plug.



12. Remove vent plugs when weather conditions do not require use of the heater. Twist vent cover counter clockwise to remove vent plugs. Hand-tighten after removing plug.

Operating Instructions

1. The heater thermostat is preset, no adjustment or setting is required. Thermostat will turn heater on automatically when the temperature inside the enclosure reaches approximately +5°C (41°F).
2. The thermostat will automatically turn off the heater when the temperature in the enclosure is approximately +15°C (59°F).

Specifications

Nominal Heater Power	24 Volts DC; 100 Watts
Temp Range	Will keep instruments inside enclosure above 0°C (32°F) with outside temperature down to -20°C (-4°F).



UNDERSTANDING, ACCELERATED

TSI Incorporated – Visit our website www.tsi.com for more information.

USA	Tel: +1 800 680 1220	India	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	China	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		

