

Installing the Thiamis™ Communication Modem into DustTrak™ Environmental Monitors





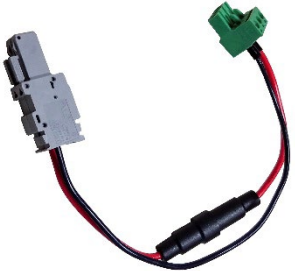



This guide will help you quickly install the Thiamis™ Communication Modem onto the various DustTrak™ Environmental Monitors.

Unpacking the Kit

1. Unpack the Thiamis™ Communication Modem (801905) and verify that all items listed in the following table are present.
2. Contact [TSI](#) immediately if items are missing or broken.

NOTE: Power should be disconnected from the instrument prior to starting this procedure.

Qty.	Item Description	Reference Picture
1	Thiamis Communication Modem	
1	GSM/GPS Antenna	

Qty.	Item Description	Reference Picture
1	RS232 to USB Converter Cable	
1	Power Cable	
1	Spare Fuse	
2	6-32 Pan Head Screw	
1	Antenna Post	

Tools Needed for Installation

- Phillips Screw Driver



Installing the Modem

1. Remove slip nut from GSM/GPS antenna (nut can be discarded).



2. Screw the GSM/GPS antenna onto the post.



3. Feed the GSM/GPS antenna cables through the fitting on the top of the enclosure and push the antenna onto the enclosure bulkhead.



4. Remove the mounting plate from the back of the modem. To separate the two pieces, push the button on the top of the modem, rotate the plate slightly away, and slide the mounting plate downwards.

NOTE

Be careful not to rotate the plate too far or the tabs on the bottom may break.



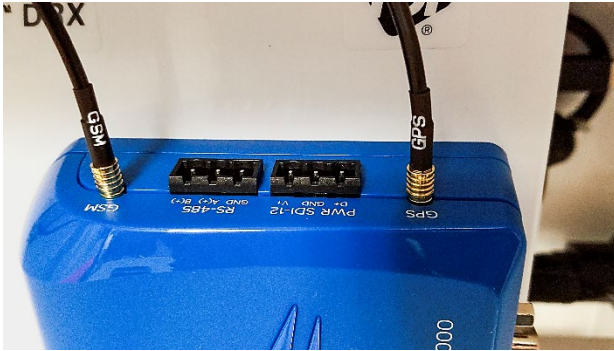
5. Fasten the mounting plate to the adapter plate using the 6-32 x 3/16" pan head screws (qty. 2).



6. Snap the modem into the mounting plate.



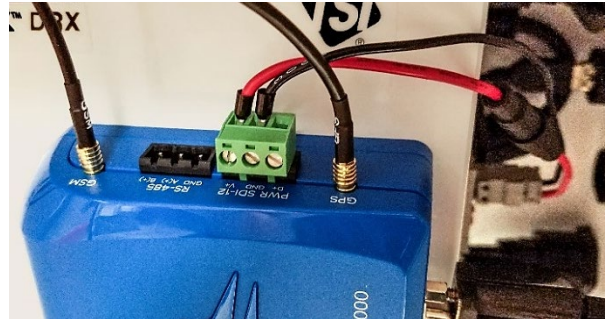
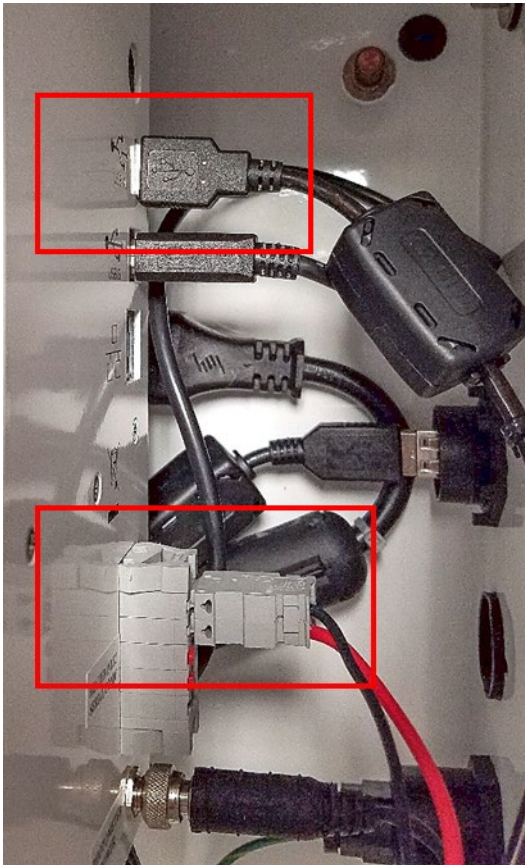
7. Connect the GSM and GPS antenna cables to the modem.



9. Connect the other end power cable and the RS232 to USB cables to Thiamis as shown.



8. Connect the power cable and the RS232 to USB converter cable to the side of the **DustTrak™** photometer as shown.



10. Plug the AC/DC power supply into an AC power source. Instrument and modem should power on.



11. The LED on the modem will blink while the modem searches for a suitable network. If the LED stops blinking and is solid blue, a network has been found and proper communication with Environet™ should be possible. If the LED changes to solid yellow, the modem has not found a network. A power cycle may resolve the issue or the unit may need to be moved to a different location where signal strength is improved.





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