WIRELESS ROUTER ACCESSORY (801903/801904) FOR ENVIRONMENTAL ENCLOSURE 854030

INSTALLATION GUIDE

Thank you for purchasing an Environmental DustTrak™ Aerosol Monitor Wireless Router Accessories (TSI PN 801903 and 801904). These instructions will help you quickly install your Wireless Router into the Environmental Enclosure (TSI PN 854030).

Unpacking the Wireless Router Accessories

1. Carefully unpack the Wireless Router and Mounting Kit from the shipping container and verify that all the items listed in the following table are present.

Qty.	Item Description	Reference Picture
1	GL-AR150 Wireless Router with USB Cable	
1	4” Wireless 1dB Hinged Antenna	
1	12” RJ45 Cable Cat 6	

2. Contact TSI immediately if items are missing or broken.
3. If purchased, the pole mount kit (TSI PN 854031) and power supply (various PNs), should be installed prior to starting this installation procedure.
4. Configuration of the wireless router and Environmental DustTrak Ethernet IP address should be completed prior to starting this installation procedure.

Qty.	Item Description	Reference Picture
1	18” RP-SMA Extension Cable (Male to Female) with antenna post	
1	Retaining Nut with O-ring	
1	3M™ Command™ brand Strips 6 PK	

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Installing Wireless Router into the Environmental Enclosure

1. Feed the female end of the SMA-cable through the hole in the top of the enclosure.



2. Secure antenna post to enclosure with retaining nut. Hand-tighten.





3. Fasten 1dB hinged antenna to bulkhead on top of the antenna post. Hand-tighten only.



4. Connect USB cable, RJ45 cable and power cable to the Environmental DustTrak Aerosol Monitor.



5. If not present, install O-ring into the mounting ring on the DustTrak Aerosol Monitor.

   NOTE: This O-ring is included in the Omni-Directional Inlet kit.



6. Install the DustTrak Aerosol Monitor into the Environmental Enclosure. Be sure to place antenna cable over the top of the instrument. Secure to enclosure using the retaining ring and **white plastic spacer** that was included in the Omni-Direction Inlet kit. Refer to the Environmental Enclosure manual for additional DustTrak monitor installation instructions.





7. Remove blue liner and attach a 3M™ Command™ brand strip to the back of the wireless router. Be sure not to cover the vent holes. Refer to the Command™ brand strip box for additional instructions.

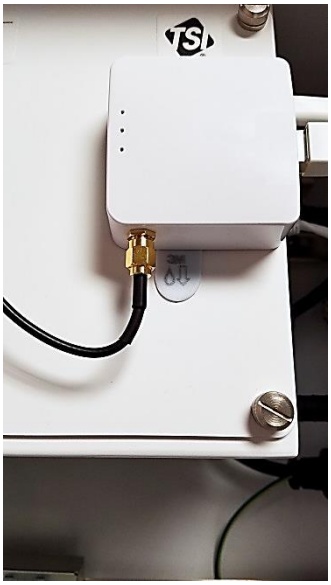


8. Remove black liner and attach wireless router to the front plate of the DustTrak Aerosol Monitor as shown.



9. Connect USB cable, RJ45 cable and antenna cable to the wireless router. Connect the RJ45 cable to LAN port on the router.





10. Connect the DustTrak Aerosol Monitor's power cable to the power supply mounted on the DIN Rail.



11. Connect AC power cord to the side of the enclosure.



12. Connect the other end of the power cord to an AC main terminal. The blue light on the DustTrak monitor will illuminate, indicating the instrument has power. After two (2) minutes, the red and green LEDs on the wireless router will also illuminate.



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