

Antaira Technologies

DTD-480-0953-T

480W Industrial DIN-Rail Power Booster, 9-36VDC power input, 53VDC power output, -40°C~75°C

Quick Installation Guide

Version 1.0
(April 2023)



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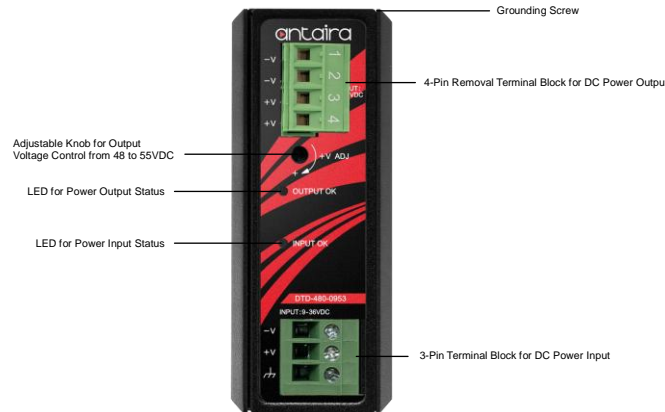
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Package Check List

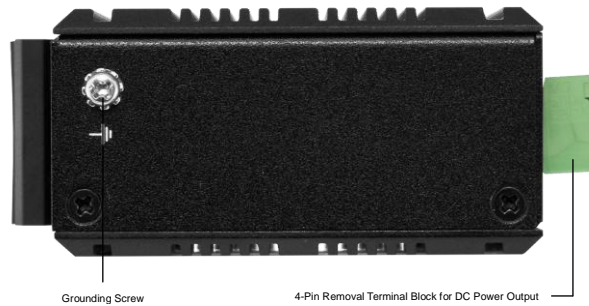
The package contains the following items:

- 1 – Quick installation guide
- 1 – DTD-480-0953-T
- 2 – Wall mounting bracket set with screws

Front Panel Layout



Top Panel View



Product Overview

System Interface/Performance

- Featuring the booster technology from 9-36VDC power input to 53VDC
- Output voltage adjustable (48V-55V) via built-in SVR
- Protection: short circuit (Output) / overload (Input)
- Protection: Input / Output reverse polarity protection
- Protection: Input Under Voltage
- LED power indicator (Input / Output)

Operating Temperature

- Extended operating temperature model: -40°C to 75°C

Case/Installation

- IP30 protection
- DIN-Rail and Wall mount design
- Installation in a pollution degree 2 industrial environment
- Fan-less Design, cooling by free air convection

Power Input

- Power inputs contact interface are on the front panel
- Support 9-36(up to 55)VDC power inputs through 3-pin terminal block interface

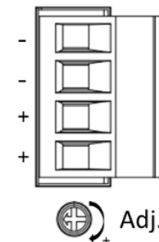


Note:

1. Only use copper conductors, 125°C, tighten to 7 lbs.
2. The wire gauge for the terminal block should range between 18~20 AWG.

Power Output

- Support DC power outputs through removable 4-pin terminal block interface
- DC output voltage is adjustable from 48 to 55 VDC by the adjusting knob



Note:

1. Please adjust the knob by fine-tuning.

LED Indicators

LED	Color	Description	
Input OK	Green	On	DC Input works normally
		Off	DC input is failed
Output OK	Green	On	DC output works normally
		Off	DC output is failed

Quick Installation

Power Outputs Wiring

Please follow the steps below to insert the power wire:

1. Insert the positive and negative wires into the **PWR (V-, V-, V+, V+)** contacts on the terminal block connector as shown below in *Figure 1*.
2. Tighten the wire-clamp screws to prevent the wires from loosening, as shown below in *Figure 2*.

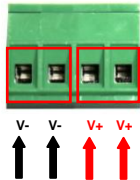


Figure 1



Figure 2

Industrial PoE Injector Mounting

DIN-Rail Mounting

The DIN-Rail bracket is pre-installed on the industrial PoE injector from the factory. Please refer to *Figure 3* for a DIN-Rail bracket installation reference. Follow the steps below for installing the industrial PoE injector on the DIN-Rail track:

1. Insert the top of the DIN-Rail onto the track as shown below in *Figure 4*.
2. Lightly pull down the bracket onto the rail as shown below in *Figure 5*.
3. Check if the bracket is mounted tightly on the rail.
4. To remove the industrial PoE injector from the rail, do the opposite from the steps above.



Figure 4

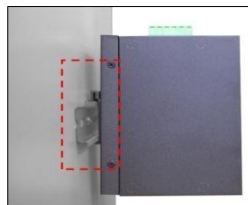


Figure 5

Wall Mounting

Follow the steps below to mount the industrial PoE injector using the wall mounting bracket as shown in *Figure 6*.

1. Remove the DIN-Rail bracket from the industrial PoE injector by loosening the screws.
2. Place the wall mounting brackets on the top and bottom of the industrial PoE injector.
3. Use the screws to screw the wall mounting bracket on the industrial PoE injector.
4. Use the hook holes at the corners of the wall mounting bracket to hang the industrial PoE injector on the wall.
5. To remove the wall mount bracket, do the opposite from the steps above.



Figure 6

Field Maintenance and Service

- If the device requires servicing of any kind, the user is required to disconnect and remove it from its mounting. The initial installation should be done in a way that makes this as convenient as possible.
- Voltage/power lines should be properly insulated as well as other cables. Be careful when handling them so as to not trip over.
- Do not under any circumstance insert foreign objects of any kind into the heat dissipation holes located in the different faces of the device. This may not only harm the internal layout, but might cause harm to the user as well.
- Do not under any circumstance open the device for any reason. Please contact your dealer for any repair needed or follow the instructions within the manual.

Warranty Policy

Warranty Conditions

Products supplied by Antaira Technologies are covered in this warranty for sub-standard performance or defective workmanship. The warranty is not, however, extended to goods damaged in the following circumstances:

- (a) Excessive forces or impacts
- (b) War or an Act of God: wind storm, fire, flood, electric shock, earthquake
- (c) Use of unqualified power supply, connectors, or unauthorized parts/kits
- (d) Replacement with unauthorized parts

RMA and Shipping Costs Reimbursement

Customers shall always obtain an authorized "RMA" number from Antaira before shipping the goods for repair or replacement.

- Within the warranty period (based on the invoice date), all parts and labor are free of charge to the customers.
- Customers are responsible for the cost of parts and labor, if the products are out of warranty.
- For RMA service, customers are responsible for the shipping expense for shipping the RMA unit(s) to Antaira. Antaira is responsible for the shipping expense via a ground service for the return repair/replace unit(s) back to customers.

Limited Liability

Antaira would not be held responsible for any consequential losses from using Antaira's product.

Warranty Period

5-Year Warranty

Antaira's Customer Service and Support

- Antaira's Technical Service & Support Centers:
 - + 844-268-2472 (Antaira US Headquarter)
 - + 48-22-862-88-81 (Antaira Europe Office)
 - + 886-2-2218-9733 (Antaira Asia Office)
- Antaira's Web Sites & Repair/Support Emails:
 - www.antaira.com / support@antaira.com
 - www.antaira.eu / info@antaira.eu
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***Any changes will be announced on the Antaira website.**