2500-TAPRemote I/O Network Tap





Description

The 2500-TAP Remote I/O Network Tap is specially design for attaching trunkline and dropline sections to create 2500 Series remote I/O networks. These taps use an impedance-controlled design for highest noise immunity and include built-in termination resistance which can be easily switched in- or out- of the circuit using a toggle switch. They also include an electrical noise bleed path to chassis ground which can improve the noise immunity of your network.

Features

- Dust and water resistant installation
- · Impedance controlled design
- Built in terminating resistance
- Electrical noise bleed system for improved noise immunity

Installation Instructions

- Strip back 38mm (1.5 in) of the sleeving on both ends of the cable. There are three wires exposed when the sleeving is stripped back. Two wires have color-coded insulation jackets and one (the shield) is bare.
- 2. At both ends of the cable, remove 0.13 in.(3.3 mm) of each color-coded insulation jacket (both ends) to expose the bare wires.

Connecting the Trunkline or Dropline to the tap

- Loosen three terminal screws on the terminal block.
- 2. Insert the stripped wires being careful to observe the proper + / / S location.

NOTE: Ensure that the bare shield wire is not touching the metal housing of the tap.

NOTE: Throughout your installation, make connections carefully to prevent wire mismatches. Before beginning your wiring, select your color code for + and -, and be sure to follow the code in each tap connec-tion and each RBC connection.

- Tighten the screws on the terminal block.
- 4. If this tap will be an "end" tap in the network (requires a terminating resistor), be sure to flip the 3 position switch from the OFF position to either the 120ohm or 150ohm position, depending on the cable type being used.



3 Position Terminating Resistor Switch

NOTE: The terminating resistor value depends on the type of cable being used, and must match the characteristic imped-ance of the cable.

Additional Product Information:

On CTI's Website you will find links to the 2500 Series Std Environmental Specifications and the UL Agency Certificates of Compliance .

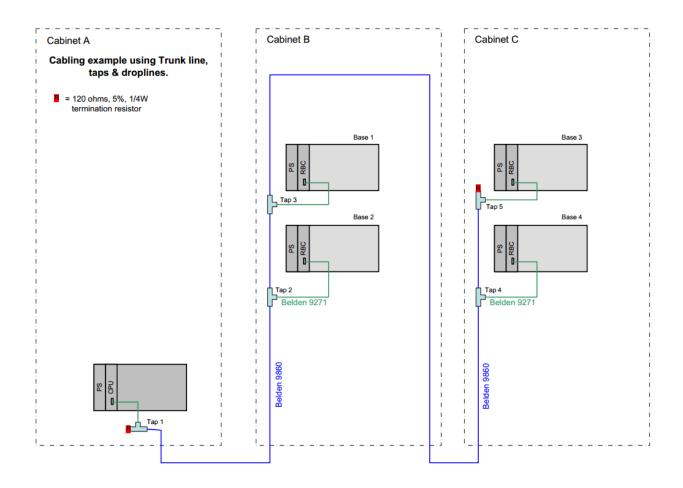
Shipping Weight: 5.0 lbs (2.3 kg)



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2500-TAP RS485 Remote I/O Network Tap



Typical System Layout using 2500-TAP