PATTON ELECTRONICS COMPANY

PRODUCT QUICK REFERENCE

FAQs

Model 450RC24 Frequently Asked Questions

Application

What is the application for the Model 450RC24?

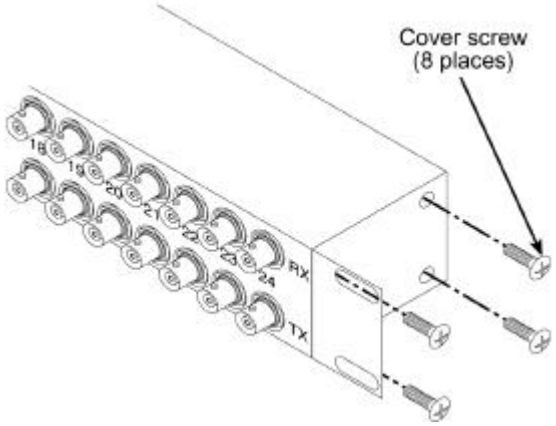
The Model 450RC24 is used in applications that require the bi-directional signal conversion of 75Ω coax to 120Ω Telco Lines. This is particularly useful in CO (Central Office) applications. Network & Data Com Equipment manufacturers are selling equipment for use in the CO's with only 120Ω interfaces. This creates a mismatch with coax legacy equipment in many CO's. The Model 450RC24 will allow the Network and Data Com companies equipment to deliver 24 E1 signals on two 50-pin Telco connectors to the 75Ω coax CO equipment.

Product Related Questions

Does the Model 450RC24 provide network extension?

The Model 450RC24 is a passive device that terminates at ground zero of the demarcation line. There is no network extension provided.

How do you reverse the front facing plate?



The cover on the Model 450RC24 can be reversed by simply removing the screws on both sides of the chassis and lifting the cover straight up, then re-attach the cover with the required connection up front. Please refer to the illustration.

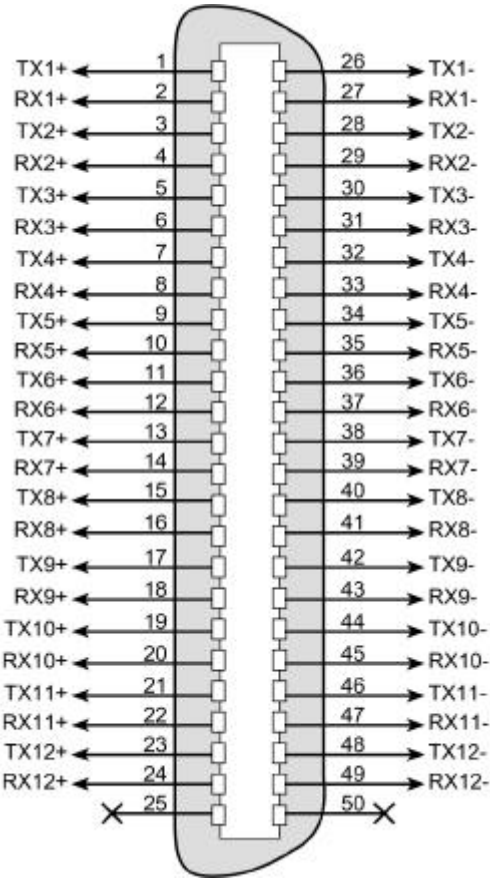
What are the numbers on the front and back of the Model 450RC24?

The numbers on each coax pair (TX and RX) correspond to the 50-pin Telco they are terminated at. Coax pairs 1-12 terminate at Telco connector J1 and coax pairs 13-24 terminate at Telco connector J2.

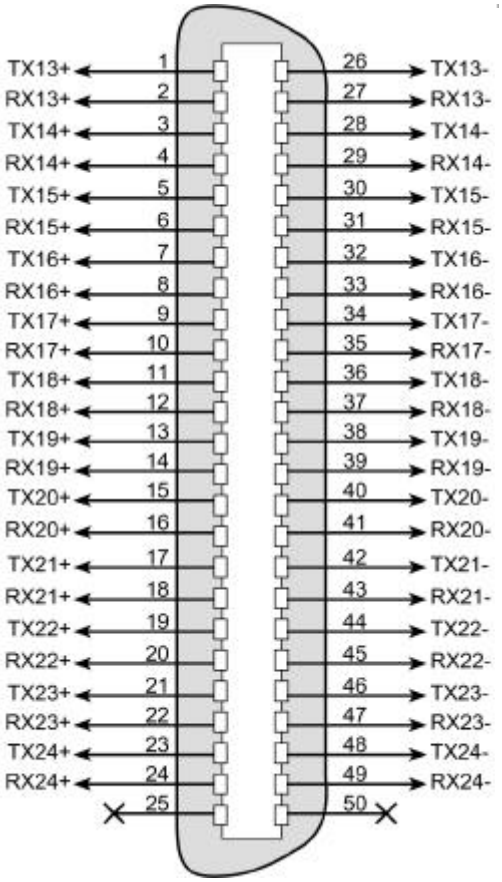
Model 450RC24 Frequently Asked Questions

What are the pin-outs of the two 50-pin connectors?

For the pin-outs on the two 50-pin connectors (J1 and J2), please refer to the illustration below.



J1



J2

What are the 50-pin connections used for?

The use of the Telco connector provides a convenient and effective high-density 120Ω connection. Two primary types of Telco connectors used are the 50-pin and the 64-pin. The Model 450RC24 is designed with two 50-pin connectors and the Model 464RC is designed with one 64-pin connector.

Model 450RC24 Frequently Asked Questions

G.703 Related Questions

What are the G.703 interface connectors?

The Model 450RC24 is equipped with two 50-Pin connectors for 120Ω connection and Dual Coax BNC type connectors for 75Ω connection.

Does the Model 450RC24 operate in structured (framed) G.704 mode?

The Model 450RC24 is transparent. This allows us to be fully compliant with G.703 and G.704 standards. The G.703 interface runs at 2.048Mbps.

How is the Model 450RC24 configured?

The Model 450RC24 is configured at the factory.

Standard:

450RC24: The first 12 (1-12) BNC coax pairs are matched to 50-Pin Telco (J1). The second group of12 (13-24) BNC coax pairs are matched to the second 50-Pin Telco connector (J2).

Power Supply

What are the power supply options for the Model 450RC24?

There is no power required for the Model 450RC24.