MicroComm

FTR-120
Free Topology Network Repeater

Description

The FTR-120 is a four port Free Topology Repeater which allows the MicroComm DXI/DXL to extend its LonWorks network to support large installations with many nodes or with nodes spread over distances exceeding the cable length specifications

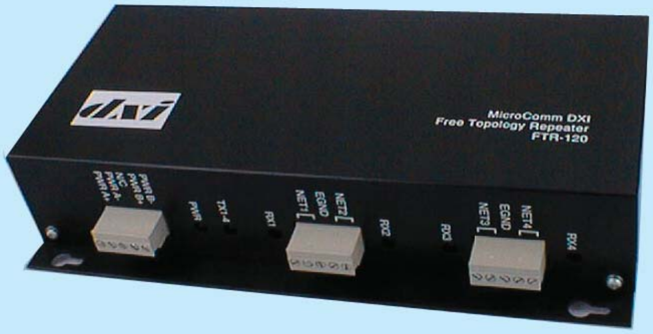
A free topology repeater breaks the network up into segments which are transparent to the system. Data received on any port of a free topology repeater is retransmitted on all the other ports.

Each LonWorks network segment is restricted to a maximum length of 1300 feet (400 meters) or 128 loads. A free topology node is equivalent to two network loads.

Features

The FTR-120 offers the following features:

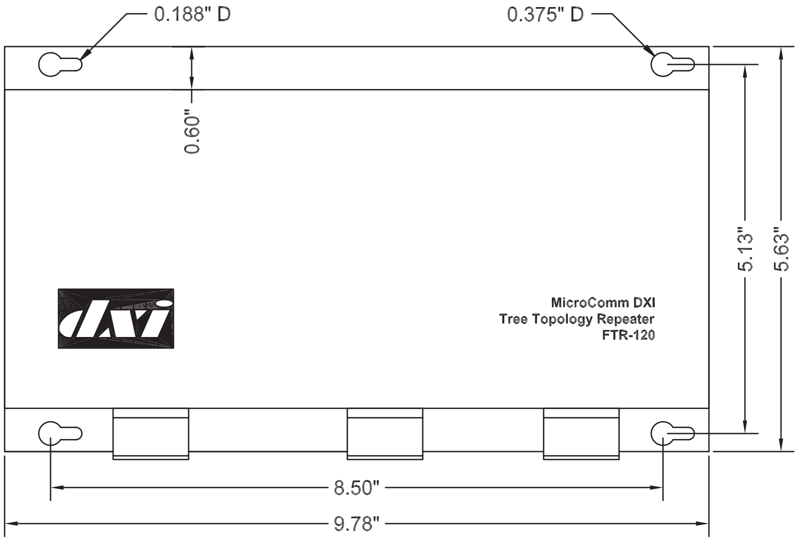
- all ports are compatible with FT (Free Topology) network segments
- redundant external power supply connections
- depluggable network and power connectors ensure the network wiring is not disturbed during maintenance
- 6 status LED's indicate the receiving port, network activity, and power status
- internal fuse protects circuitry

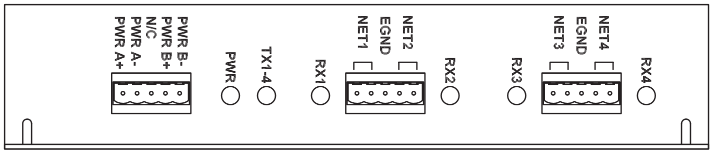


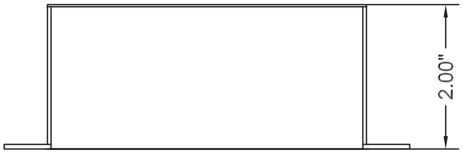
Specifications

Physical	5.62" H x 9.75" W x 2.0" D (143 x 248 x 50.8 mm)
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Power Supply	12–24 Vdc @ 200 mA
I/O Capacity	4 FT -10 network ports
Field Connections	depluggable screw terminal blocks
Standards	FCC Part 15

Mechanical







Ordering Information

Part Number FTR-120-A
- A power supply options
  - 1 external

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