



Physical Layer Repeater



The Smart Controls FR-20 is a two (2) channel physical layer repeater that can cost effectively extend the limits of a free topology LonWorks® network. The FR-20 provides electrical isolation between LON network channels to extend the maximum length of the channel and to increase the maximum number nodes on that channel. The FR-10 requires no software configuration and there are no jumpers to be set. DIN Rail mounting and screw plugs allow fast and easy installation in to existing or new LonWorks® networks. A nominal 24 Volt AC/DC power source is used to power the FR-20.

FEATURE SUMMARY

- Two (2) channel physical layer repeater
- Connect FTT to FTT LONWORKS® channels
- Fast and easy installation into a network
- Extend a network segment beyond maximum length
- Increase total number of nodes on a network channel
- DIN-rail mounting
- Power Status Indicator

Specifications:

Communications: Echelon® FTT-10A

Voltage Input: 12-28 VAC or 9-38 VDC

Power Consumption: maximum 2.0 VA

Operating Temperature: -20 to 70 °C (-4 to 158 °F)

Humidity: 5 to 95% R.H. (non-condensing)

Physical Dimensions: L 35mm x W 113mm x H 58mm

(1.38" x 4.44" x 2.28") with plugs connected

Weight: 57 grams (2 oz.)

Wire Type: AWG 22 to AWG 16

(copper conductors only)

Mounting: 35mm DIN-rail EMI: CE Approved

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