

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-20 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:

<i>Communications:</i>	Echelon® FTT-10A
<i>Voltage Input:</i>	12-28 VAC or 9-38 VDC
<i>Power Consumption:</i>	maximum 2.0 VA
<i>Operating Temperature:</i>	-20 to 70 °C (-4 to 158 °F)
<i>Humidity:</i>	5 to 95% R.H. (non-condensing)
<i>Physical Dimensions:</i>	L 35mm x W 113mm x H 58mm (1.38" x 4.44" x 2.28") with plugs connected
<i>Weight:</i>	57 grams (2 oz.)
<i>Wire Type:</i>	AWG 22 to AWG 16 (copper conductors only)
<i>Mounting:</i>	35mm DIN-rail
<i>EMI:</i>	CE Approved

Document Number: 37-00181, ver. 1.0.0

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