



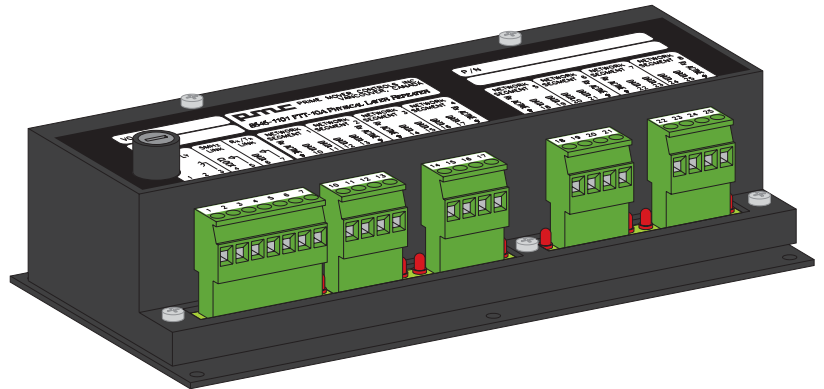
Type 8545-1101

The PMC 8545-1101 is a compact, modular Physical Layer Repeater for TP/FT-10 networks. In the event that the limits on the number of transceivers or total cable distance are exceeded, a 8545-1101 is added to interconnect two or more network segments. This effectively multiplies overall channel capability, including node count and network extent, while maintaining the same bandwidth.

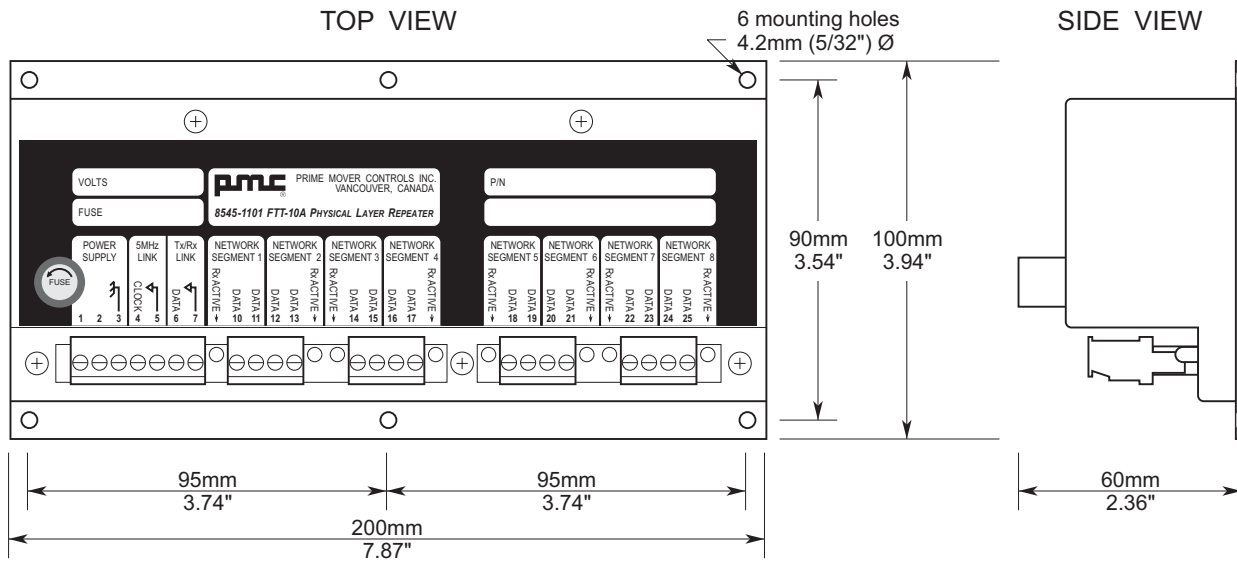
FEATURES

- Rx diagnostic LED for each network segment
- Up to eight repeaters can be linked together to form a 64 segment repeater
- Each network segment has jumper for terminator
- Multiple supply voltage options
- Fused
- Removable terminal blocks

FTT-10A Physical Layer Repeater



DIMENSIONS FOR 8545-1101 FTT-10A PHYSICAL LAYER REPEATER



SCALE 1 : 2

SPECIFICATIONS:

Supply:

- Nominal 24 VDC, range 10 to 40 VDC
typical 70 mA @ 24 VDC
- Nominal 24 VAC 50/60 Hz, range 8 to 35 VAC
typical 80 mA @ 24 VAC
- Nominal 120 VAC 50/60 Hz, range 90 to 150 VAC
typical 80 mA @ 120 VAC
- Nominal 240 VAC 50/60 Hz, range 180 to 300 VAC
typical 15 mA @ 240 VAC
- Polarity insensitive
- Overvoltage protection for 24 VAC/DC units
- Input fuse 1/2 amp, type ABC-1/2

Environmental:

- Operating temperature 0 to +70°C
- Storage temperature -30 to +85°C
- Vibration: range 3-100 Hz
Velocity amplitude 50 mm/sec below 22 Hz
Acceleration amplitude 0.7 g above 22 Hz

Physical:

- IP30 pan mount enclosure
- Dimensions 200mm L x 100mm W x 60mm H
(7.87" L x 3.94" W x 2.36" H)
- Weight 0.53 kg (1.17 lbs)
- Removable terminal blocks for 14 to 20 AWG wires

Diagnostics:

- LED for each network segment showing Rx activity.

Linking multiple 8545-1101:

- Repeaters should be mounted adjacent to each other, with a minimum linking cable length.
- Up to 8 units may be linked together to form a 16, 24, 32, 40, 48, 56 or 64 network segment repeater.
- Beldon 8760 or equivalent (low capacitance)
- See drawing B-8545-8-01 for typical wiring.



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