

InfraFTAC

Router/Repeater

Free Topology Area Controller: FTFT-RTR

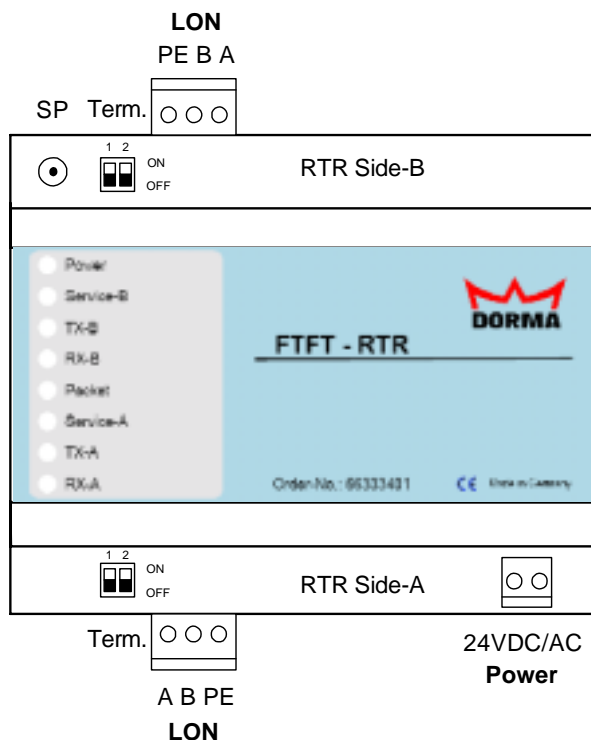
TLON GmbH
 Karl-Kurz-Str. 36
 D-74523 Schwäbisch Hall
 Tel.: +49(0)791-93050-0
 Fax: +49(0)791-93050-50
 sales@TLON.de
 http://www.TLON.de

Product Number :
16120



General Description:

- Network - Enlargement**
 The InfraFTAC Router extends your LONWORKS™ network.
 This unit connects two Free-Topology (TP/FT-10) communication channels, and route LonTalk messages between them. They can be configured by using a LNS based Network Management Tool.
- Router-, Repeater-, Bridge- functionality**
 The InfraFTAC can work optionally as „configured router“, „learning router“, repeater or bridge.
- Router-Core-Modul**
 The InfraFTAC is based on the Echelon Router Module RTR-10.
- | | |
|------------------------------------|------------------------------------|
| „A-Side“ | „B-Side“ |
| - Free-Topology (FT) | - Free-Topology (FT) |
| - 1 channel 78kbit/s | - 1 channel 78kbit/s |
| - 3 pos. screw block (Weidmueller) | - 3 pos. screw block (Weidmueller) |
- Assembling on 35mm DIN-Rail**



Features:

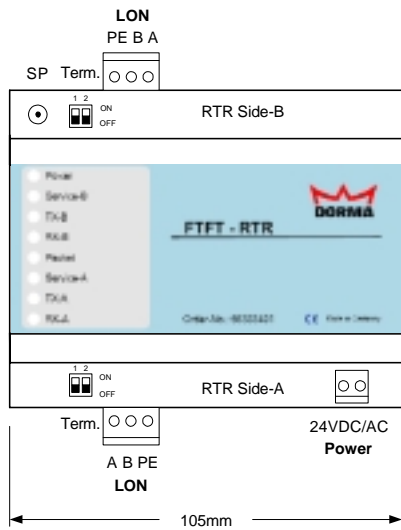
FTFT-RTR

- TP/FT-10: „A-Side“, 1x Free Topology Channel 78 kbit/s (FTT10A)
- TP/FT-10: „B-Side“, 1x Free Topology Channel 78 kbit/s (FTT10A)
- Core: Echelon RTR10-modul
- Modes: preconfigured / reconfigurable with LNS Network-Management-Tool
- Traffic / channel indication and monitoring via several LEDs
- TLON-OrderNo: 16120

Specification:

Dimensions:	105mm wide x 86mm high x 58mm deep Self-extinguishing material (UL94-VO)
Housing:	DIN Rail
Network:	FTT-10A (‘Near-Side’) / FTT-10A (‘Far Side’)
Power Supply:	10-35VDC / 12-24VAC (typ. 24VDC/100mA)
Environmental Condition:	Operating temperature: 0°C to +55°C Storage temperature: -40°C to +85°C max. humidity : 90%, not condensing
Core Modul:	Echelon RTR-10

Mechanical layout and pinout



Connectors:

LON (2x):

LON Network, FT-10

Pin 1: Net_A

Pin 2: Net_B

Pin 3: PE

Type: Weidmüller BLA 3 SN OR

POWER:

10-35VDC

12-24VAC

Type: PTR AKZ 1110/2-5.08

LED Indication:

Power 24VDC/AC

Service-A/B Service-Msg.

TX-A/B FT-channel A/B

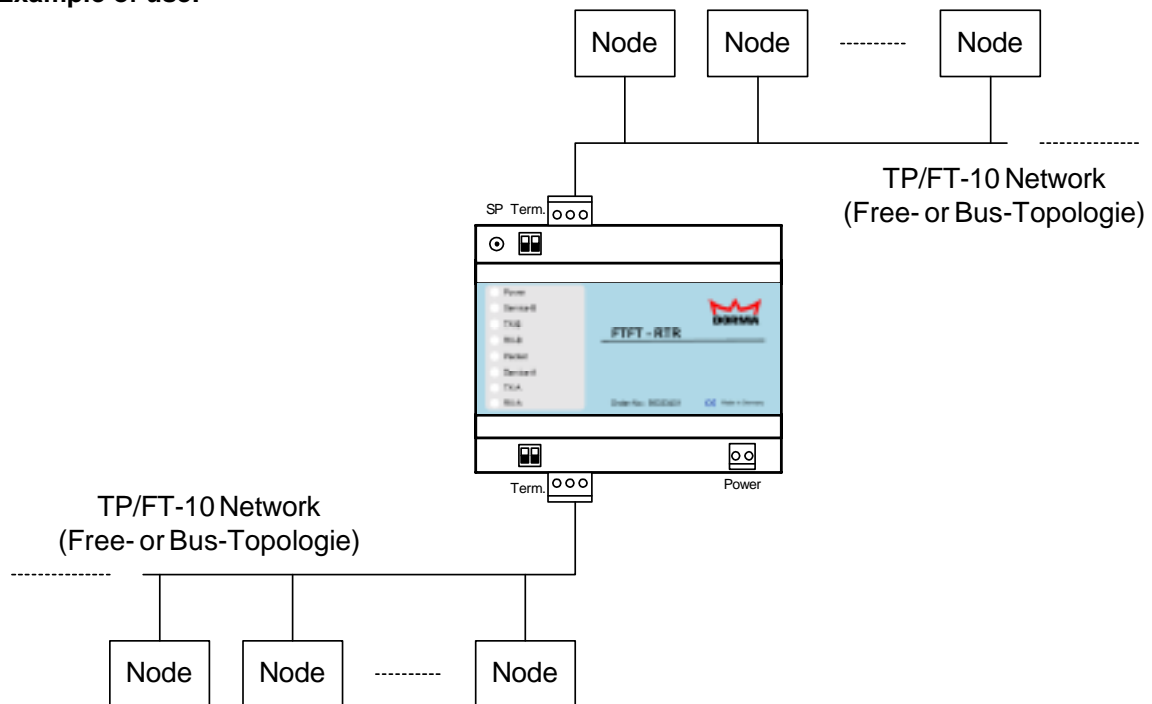
RX-A/B FT-channel A/B

Packet Traffic

DIP-Switch:

1	2	Termination	
Off	Off	No	
Off	On	Bus	doubly terminated
On	Off	Bus	doubly terminated
On	On	FT	default

Example of use:



This router may be used to connect TP/FT-10 channels to support additional nodes or extend the maximum channel length. The two channels connected to a router are physically isolated, so a failure on one channel does not affect the other. To improve overall network performance, routers can be used to isolate traffic within subsystems

TLON delivers a lot of different Routers and Repeaters. Routers to interface different communication media, or bit rates in a LON network.