Product Information

InfraFTAC Router/Repeater

Free Topology Area Controler: FTFT-RTR

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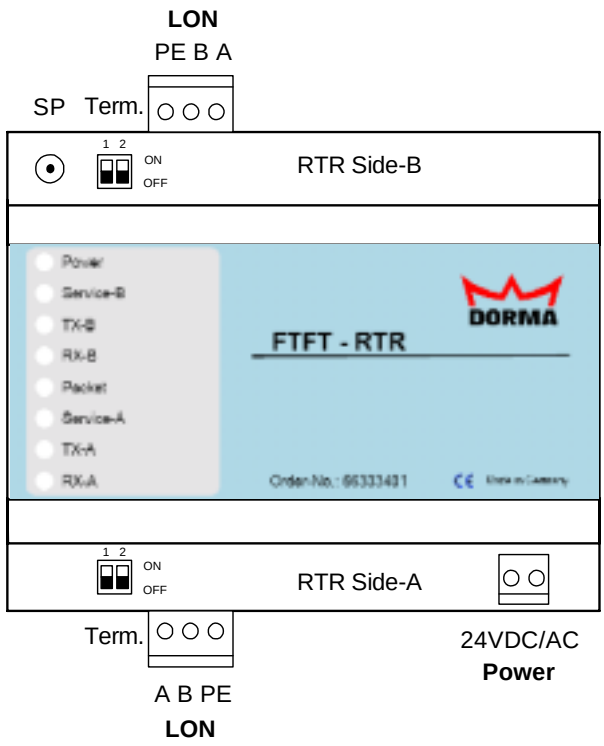
Product Number :
16120

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"** - Free-Topology (FT) - 1 channel 78kbit/s - 3 pos. screw block (Weidmueller)
  „B-Side" - Free-Topology (FT) - 1 channel 78kbit/s - 3 pos. screw block (Weidmueller)
- **Assembling on 35mm DIN-Rail**



Features:

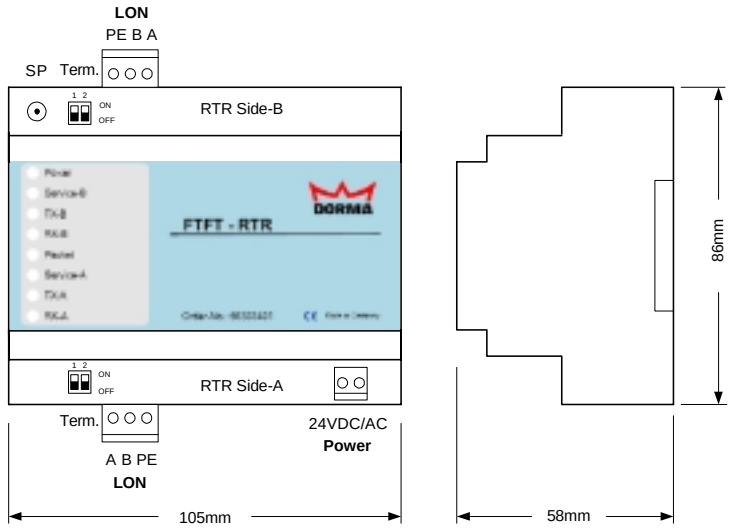
FTFT-RTR

- 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

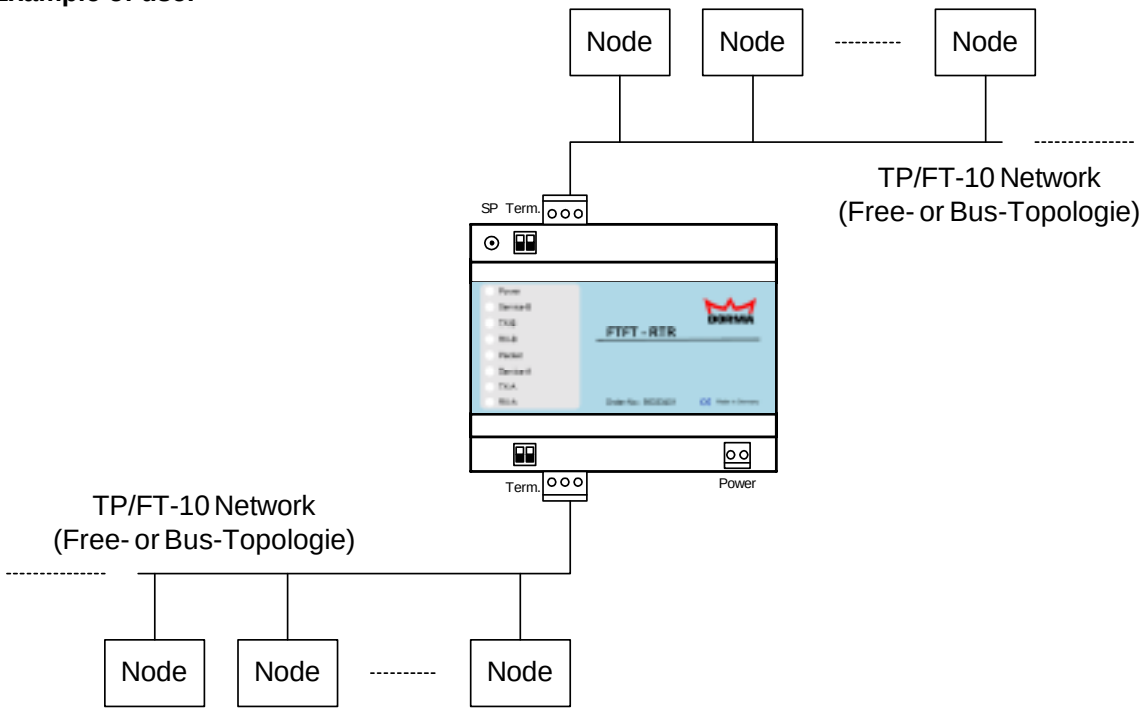
LED Indication:

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.