Staefa Control System TALON
CAPTURING OPEN SYSTEM ADVANTAGES

LonTalk Repeaters

Description

The LonTalk® Two-Port and Three-Port Repeaters amplify the LONWORKS® TP/FT-10 communication signal to allow extended bus and free topology subnet configurations. The repeaters are physical layer devices that allow a free topology configuration to extend beyond the 500-meter limit that would otherwise apply -- or a bus topology configuration to extend beyond the 1400-meter limit that would otherwise apply. The Repeaters allow system installers to take full advantage of the 127-node capacity provided by LonTalk.

Features

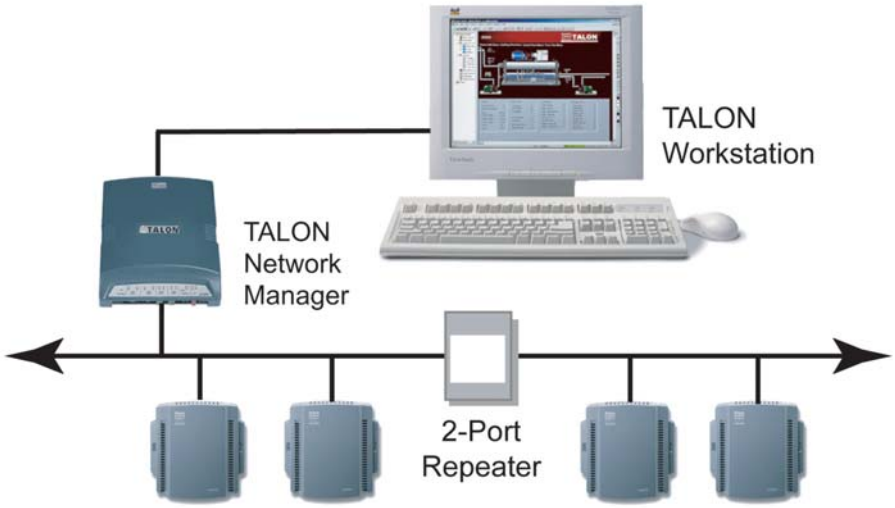
- Pass-through signal amplification does not impact node count or communication traffic.
- Available in 2-Port and 3-Port versions, providing any job-site network with a cost-effective solution.
- Supports both Bus and Free topologies, providing flexibility to incorporate both FTT-10A configurations.
- Convenient startup, without special tools.
- Wall mount enclosure includes knockouts for conduit connections.
- Cover mounting of the electronic assembly allows easy access for pulling wires.
- Listed for CE Industrial, C-Tic, and enclosed energy management.
- LEDs provide status indication for power and packet activity.

Hardware

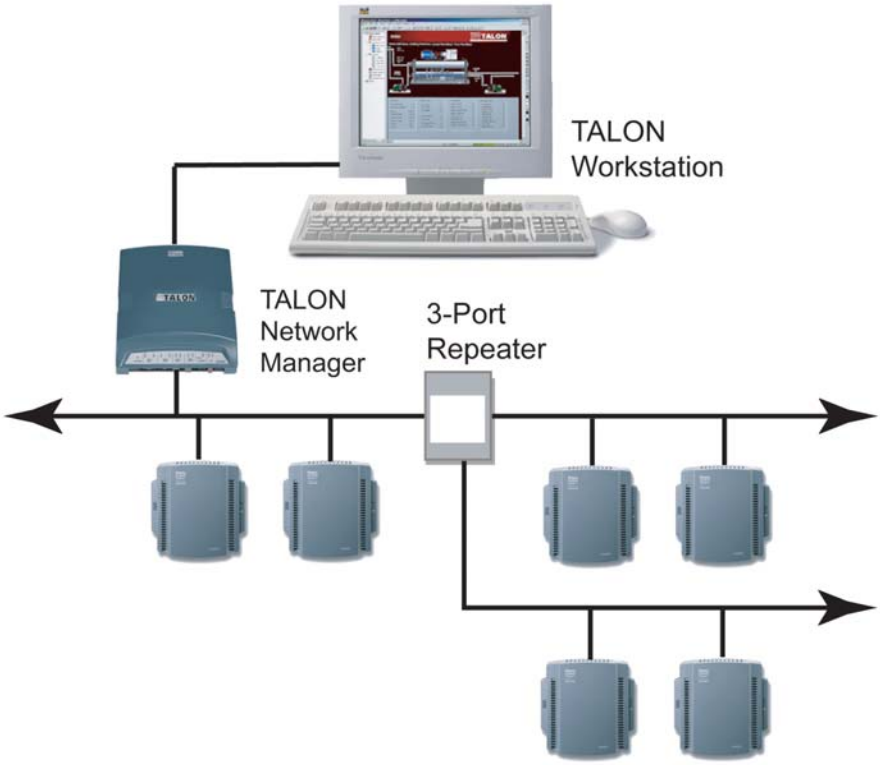
The Siemens Repeater is available in the following versions:

1. 2-Port
2. 3-Port

The 2-Port electronic board contains two Echelon® Transceivers that allow communication signals from one 500 meter free topology or 1400 meter bus topology segment to be passed through to another free or bus topology segment.



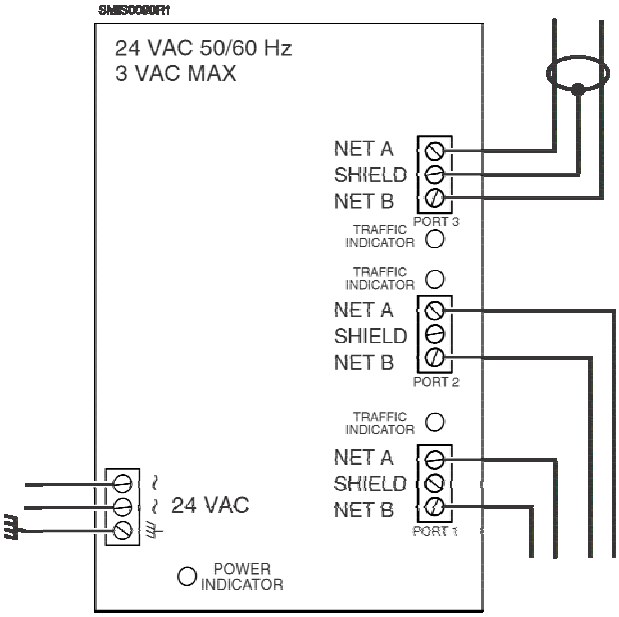
The 3-Port electronic board contains three Echelon® Transceivers which allow the communication signal from one 500 meter free topology or 1400 meter bus topology segment to be passed through to two additional free or bus topology segments.



Specifications

Specification	
Network Communication	TP/FT-10 (78.8K bps)
Voltage Requirements	24 Vac @ 50/60 Hz
Power Consumption	3 VA
Ambient Operating Environment	+32°F to +122°F (0°C to +50°C) 5 to 95% RH (Non-condensing)
Agency Listings	UL/CUL 916 PAZX/PAZX7 (Enclosed Energy Management)
Regulatory Compliance	FCC Part 15, Class B CISPR 22 Class B CE Mark Australian EMC Framework
2 and 3 Port Repeater Dimensions:	"6 H x 4.5" W x2 " D (152 mm x 101 mm x 50 mm)
Weight	1.2 lbs (.5 kg)

Wiring



Wiring Recommendations:

Power	16 to 20 AWG
Lon Network	22 AWG Level 4

Transformer Requirements and Recommended Voltages

Type	Class 2 , 24 VAC, 50/60 Hz

Ordering Information

Controllers

Description	Product Number
2-Port Repeater	587-450
3-Port Repeater	587-455

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