



DESCRIPTION

The Loytec L-Term Series LON TP/FT-10, TP/LPT-10, TP/XF-1250 and BACnet MS/TP networks need to be terminated using a defined network terminator.

L-Term LT-03 offers one standard network terminator for a TP/FT-10 or TP/LPT-10 channel. In addition, **LT-03** comes with a network access connector for a simple and reliable connection to the CEA-709 network e.g. for maintenance or analyzing the network locally.

L-Term LT-13 and **LT-33** offer two standard network terminators in a slim housing which makes them a perfect solution for **LOYTEC** active network infrastructure products (e.g. L-IP, L-Switch, L-Proxy etc.) at a very competitive price.

L-Term LT-04 and **LT-B4** offer one standard network terminator for a EIA-485 channel such as BACnet MS/TP, Modbus or TP/RS-485 (CEA-709). LT-04 comes with a network access connector for a simple and reliable connection to the network e.g. for maintenance or analyzing the network locally. The **LT-B4** is a bus termination with biasing circuit (failsafe biasing) and needs a power supply. This biasing circuit draws the level of the bus in standby mode (idle) to a safe value (logic "1").

FEATURES

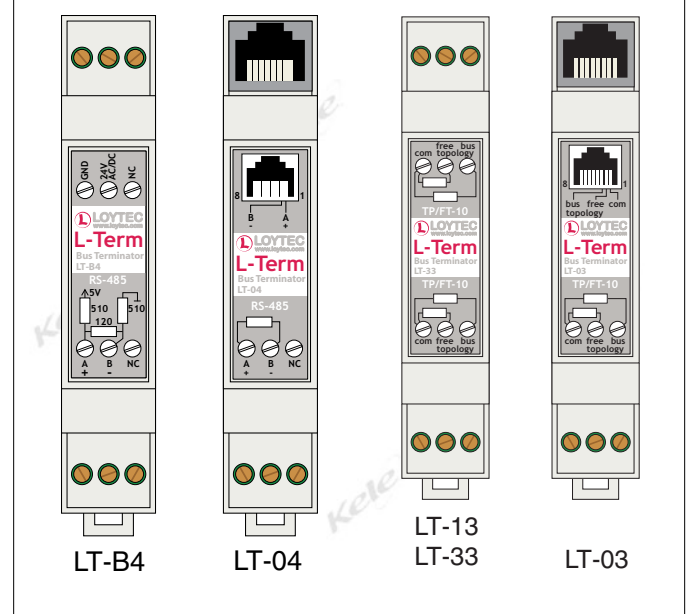
- BACnet, Modbus and LON models available
- Supports bus and free topology termination (LT-03, LT-13, LT-33)
- TP/FT-10 side can also be used to terminate link power channels
- Pluggable screw terminals (0.5 - 2.5 mm²)
- DIN-rail mountable



L-Term Series



WIRING



SPECIFICATIONS

Supply Voltage	24 VAC/VDC \pm 10%	Communication	LON, BACnet MS/TP, Modbus RTU
Channels		Operating Temperature	32° to 122°F (0° to 50°C)
LT-03	LonMark System 1x TP/FT-10 or TP/LPT-10	Operating Humidity	10-90% RH @ 122°F (50°C) non-condensing
LT-04	1 x EIA-485 (BACnet MS/TP, Modbus RTU)	Dimensions	0.71"W x 2.28"H x 3.54"L (18 x 58 x 90 mm)
LT-13	LonMark System 1x TP/XF-1250, 1x TP/FT-10 or TP/LPT-10	Weight	0.15 lb (0.07 Kg)
LT-33	LonMark System 2x TP/FT-10 or TP/LPT-10	Approvals	CE
LT-B4	Active 1 x EIA-485 (BACnet MS/TP, Modbus RTU) Active 1 x EIA-485 (BACnet MS/TP, Modbus RTU, ...)	Warranty	2 years

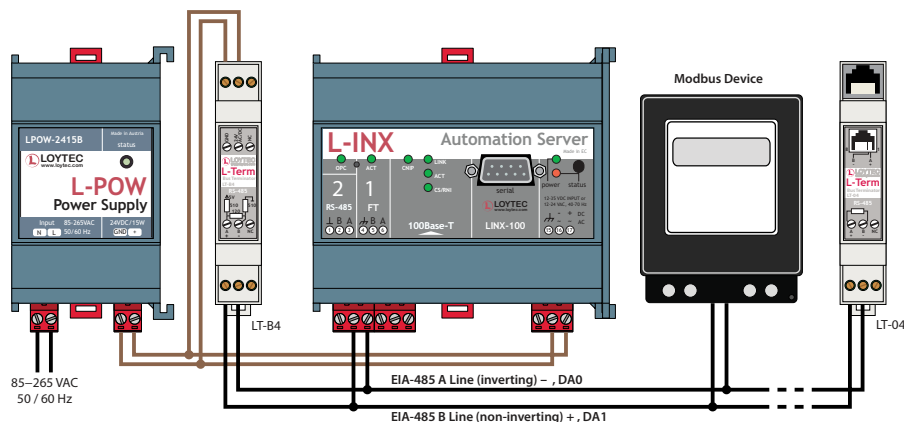


NETWORK

BACNET, LON, MODBUS TERMINATOR L-TERM SERIES

RS-485 NETWORK TERMINATOR APPLICATION EXAMPLE

Modbus RTU: LINX-100 Automation Server and terminator LT-B4 with biasing circuit (failsafe biasing)



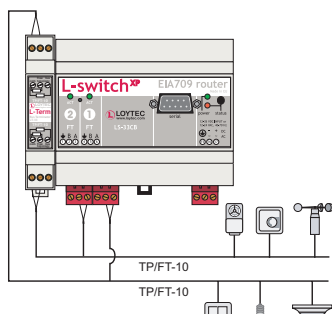
LT-04 Modular Plug RJ-45(8P8C)

Pin	Marking	Description
1	A +	non-inverting pin, B (EIA-485)
2	B -	inverting pin, A (EIA-485)
3 ... 8	NC	not connected

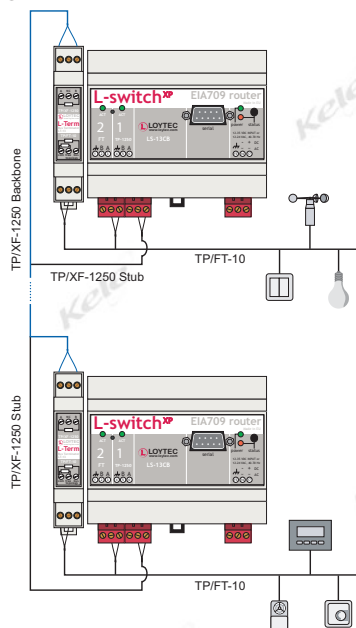
LON NETWORK TERMINATOR APPLICATION EXAMPLE

Application Examples

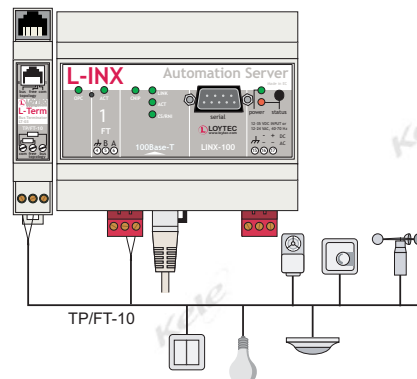
1) LT-33 in a typical free topology installation on two TP/FT-10 channels together with an LS-33CB 2-port L-Switch



2) LT-13 in a typical network with TP/XF-1250 backbone and free topology on TP/FT-10 together with two LS-13CB L-Switches



3) LT-03 in a free topology installation together with a LINX-100 Automation Server



LT-03 Modular Plug RJ-45(8P8C)

Pin	Marking	Description
1	com	tie point
2	free	free topology
3	bus	bus topology
4 ... 8	-	not connected

ORDERING INFORMATION

MODEL

LT-03

LT-13

LT-33

LT-04

LT-B4

DESCRIPTION

L-Term LON Network Terminator, 1 x TP/FT-10 or TP/LPT-10, 1 x RJ45

L-Term LON Network Terminator, 1 x TP/FT-10, 1 x TP/XF-1250

L-Term LON Network Terminator, 2 x TP/FT-10 or TP/LPT-10

L-Term BACnet and Modbus Network Terminator, 1 x EIA-485, 1 x RJ45

L-Term BACnet and Modbus Network Terminator, 1 x EIA-485 w/ failsafe