



SMART CONTROLS

PL-T1L

Shaping the Future of Building Automation



Overview

Extend Ethernet connectivity and unlock 10BASE-T1L with PRIZM™ Link.

The **PL-T1L media converter** from Smart Controls bridges the gap between today's Ethernet networks and the next generation of Single Pair Ethernet. Designed to seamlessly convert **10/100BASE-T** Ethernet into **10BASE-T1L segments**, PRIZM Link makes it easy to deploy long-reach, low-cost Ethernet without completely redesigning your network infrastructure.

Available in **dual-segment** and **single-segment** models, PRIZM Link enables flexible topologies while dramatically reducing wiring complexity and installation costs. By leveraging 10BASE-T1L technology, *PL-T1L* extends Ethernet communication over a single twisted pair — ideal for both new and retrofit building projects.

Engineered for reliability and simplicity, PRIZM Link integrates effortlessly with standard Ethernet equipment, providing a future-ready foundation for scalable, IP-based building automation networks.

Future-proof your building with PRIZM Link.

Media Converter



Features & Highlights

- **Seamless Ethernet Media Conversion:** Quickly convert standard 10/100BASE-T Ethernet to 10BASE-T1L Single Pair Ethernet, enabling next-generation connectivity without overhauling your existing network architecture.
- **Extended Reach, Reduced Wiring:** Leverage the long-distance capabilities of 10BASE-T1L to extend Ethernet communication up to 1,000 meters, reducing cable bulk costs.
- **Fast & Simple Integration:** Designed to work seamlessly with standard Ethernet devices, accelerating deployment and integration timelines.
- **Compact, Installer-Friendly Design:** Space-efficient form factor supports DIN-rail mounting, allowing clean panel layouts and straightforward installation.



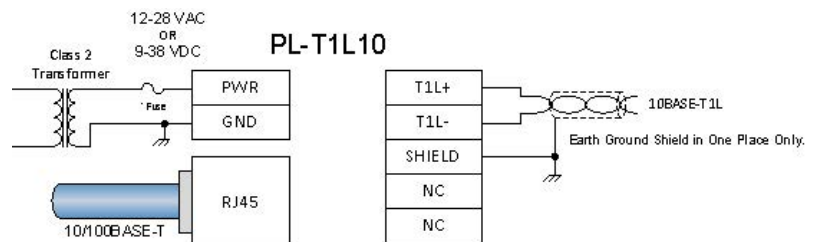
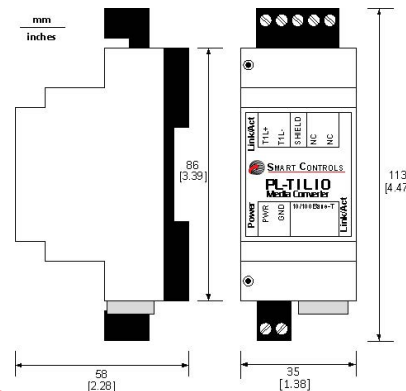
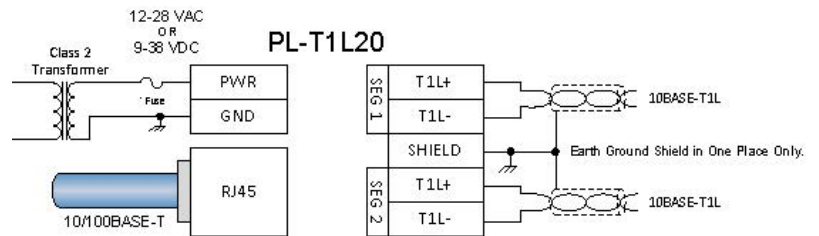
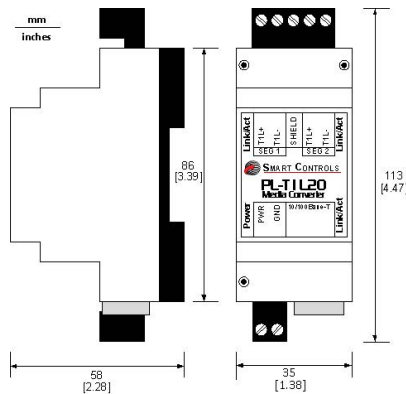
Model Selection

Series	Number of Segments
PL	-T1L20: Two 10BASE-T1L Segments
	-T1L10: One 10BASE-T1L Segment

Technical Specifications

- *Voltage Input:* 12-28 VAC or 9-38 VDC
- *Maximum Consumption:* 2.0 VA
- *Operating Temperature:* -4°F to 158°F (-20°C to 70°C)
- *Humidity:* 5-95% RH (non-condensing)
- *Dimensions:* L 4.44" x W 1.38" x H 2.28" (113 x 35 x 58 mm)
- *Mounting:* 35 mm DIN-rail mounting
- *Warranty:* Five (5) Year Limited Warranty

Dimensions & Wiring Diagrams



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