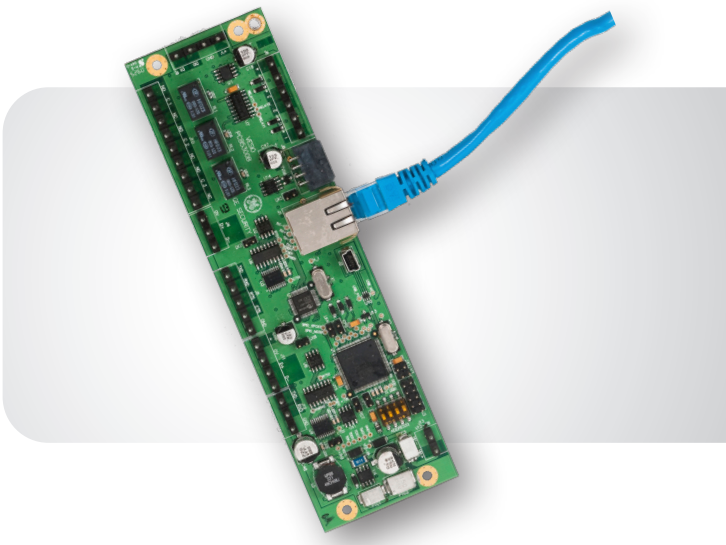
TS0098

Challenger IP LAN Adaptor



Overview

Save time and money installing Challenger with the new TS0098 Challenger IP LAN Adaptor. TS0098 modules allow Challenger RS-485 LAN data to be carried over an IP network. This provides an IP connection between a Challenger panel and its LAN devices such as Remote Arming Stations (RAS) and Data Gathering Panels (including Intelligent Access Controllers) reducing the need for dedicated wiring of expensive two-pair twisted, shielded data cable (Belden 8723).

The TS0098 also enables physically separate segments of the Challenger RS-485 LAN to be linked together over IP network, either to extend distance or inexpensively utilise existing IT infrastructure.

It is perfect for connecting a panel to a remotely located RAS, DGP or Door/Lift Controller where it is costly to run cable but where IP connections are readily available (subject to network performance requirements).

TS0098 modules provide securely-encrypted IP communications via a unique 128-bit encryption key.

TS0098 modules are configured as either the start of line module (SLM) or an end-of-line module (ELM). The SLM connects to the Challenger panel while the ELMs provide IP links for all of a Challenger system's LAN devices. An SLM can support up to 31 ELMs to include 15 DGPs and 16 RASs. The TS0098 can be configured easily and conveniently over the IP network via a Web browser.

Features

- IP communication for Challenger LAN
- 128-bit AES (Advanced Encryption Standard) secure encrypted communications
- Connect Challenger LAN devices RAS, DGP, Door/Lift Controllers over IP network infrastructure
- Link Challenger RS-485 LAN segments together over IP infrastructure
- Up to 31 ELM modules on a single Challenger LAN for up to 15 DGPs and 16 RASs.
- Switchable between SLM (Start of Line Module) and ELM (End of Line Module) mode
- Built-in Web server allows convenient device configuration and diagnostics from standard internet browser
- Network Test Tool provided to check network latency and suitability

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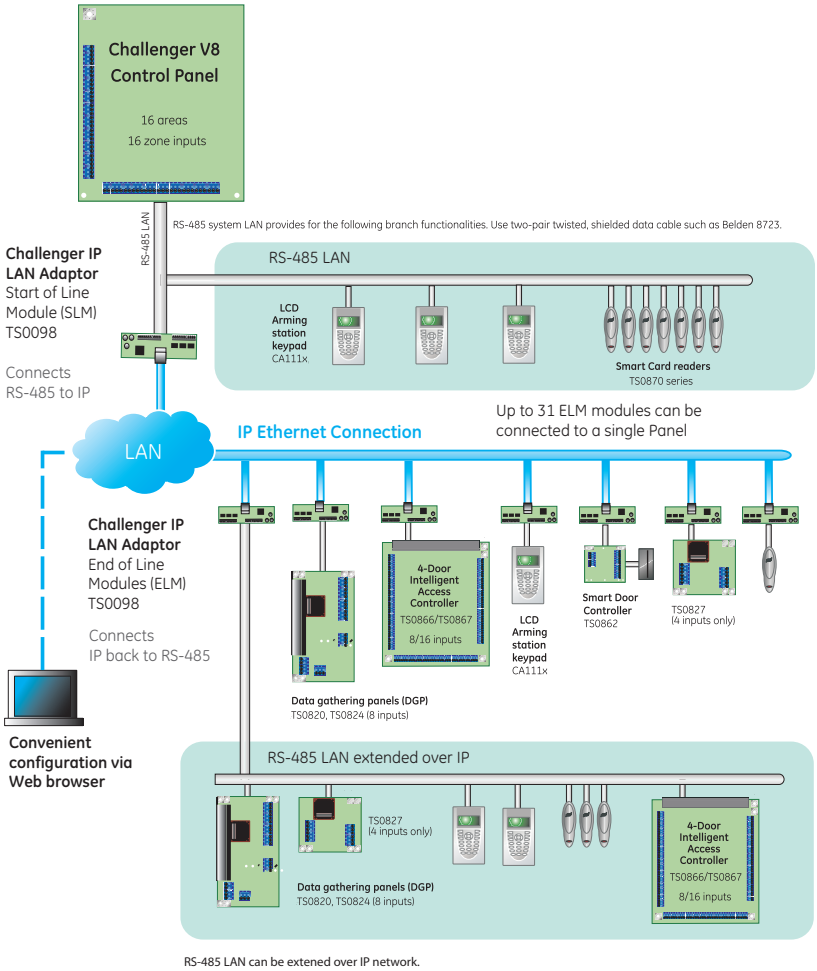
System Block Diagram



Specifications

Electrical	
Operating voltage	12 to 14 VDC
Power consumption	110 mA @ 13.8 VDC.
Configuration	
No. SLM to ELMs	1 SLM : 1 to 31 ELMs
Max Cabling Distance	
Distance between SLM and ELM over IP	Determined by IT network infrastructure and network latency
Distance between Panel and SLM	Length of the cable between an SLM and V8 Challenger panel must not exceed 1.5 km.
Distance between LAN Dvice and ELM:	Length of the cable between an ELM and LAN device must not exceed 1.5 km.
Operating Environment	
Temperature:	0 to 50 °C
Mounting Requirements	
Installation options	Standard BB sized board.
Regulatory Compliance	
ACMA	C-Tick for Australia and New Zealand

Ordering information

TS0098	Challenger IP LAN Adaptor