



TELN 1112 LonWorks™ Automotive Analog Module

Description

Techlon's Automotive Analog Module (TELN 1112) is designed to support 16 monitored analog inputs with 16 separate DC supply voltages. The first four transducer supply voltages are independently adjustable from 4.5V to 13.5V. The transducer supply voltages for channels 5 through 16 can be independently set to either 5V, 12V, 15V or 24V. The TELN 1112/1043 supports Four digital outputs 1.5Amp to ground. The TELN 1112/1043 has two pulse inputs for AC frequency input that monitor calculations from 5.5-12Vac. TELN1112/1043 also supports two non isolated TTL 5Vdc inputs(+5V switch to ground) and two Ignition inputs used to enable alternate system power. This Analog Monitoring module is primarily designed to interface with transducers (i.e. temperature and pressure, etc.). The module can also support direct switch control and digital output control particularly advantageous, (i.e. lights and motors). The module is supported with a reset switch, service switch and service LED, a 15-entry FIFO error array, internal self test, local set-point, and value scaling. Each output is supported by local load fusing, load state indication, and programmable output function.

A number of connector schemes are supported:

- Communication and logic power: dual RJ45 phone or .2" center to center terminal blocks.
- Supply: .3" center to center terminal block, .25" Fastcon spade connection, or AMP INNERGY series PC mount connectors.
- Analog and Digital input .25" center to center terminal block or 0.156 Molex crimp connector.
- Digital output .25" center to center terminal block or 0.156 Molex crimp connector.

The board is mounted on grounding standoffs. There is also a grounding connection to the board, and a chassis ground stud on the outside of the module enclosure.

Specifications

- 2K Ram
- 512 Byte EEPROM on Neuron Chip for (Network Information).
- 32K EEPROM for (application code).
- Voltage: Operating: 8V-18V DC; Max.: 7.5V-33V DC
Expanded voltage available.
- Load on board @Max. 2A.
- Max. Power for each load 50 Watts.
- Operating Temp C.
- Storage Temperature: -40° C to +85°; -60° C to +100° C.

Dimensions

Board Dimensions 7.0" w x 4.25" h x 1.2" deep.

NEMA 1 packaging is supported by a 8.25" w x 5.75" h x 1.75" deep two-part irradiated aluminum chassis, with slots for mounting screws and an external 6-32 stud for chassis grounding.

Other package and connector configurations available by request.

Transceiver Support

TELN 1037 Provides support for the following types of transceivers:

- 1.2M TPT
- 78K TPT
- RS-485
- 78K Free Topology (FTT-10)
- Direct-Connect (up to 90 feet)

Simple. Sensible. Smart.

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