



TELN 1068 LonWorks Automotive Muxilon Node

Description

Techlon's Automotive Muxilon Node (TELN1068) is designed with eight **separate** (+24Vdc) sink outputs, eight digital optocoupled inputs and 4 internal supply source points. This module is primarily designed to control devices where direct switch input control or switch output control is advantageous, (i.e. lights, relays, switches and small motors). The module is supported with a service switch, service LED, and a 15-entry FIFO error array (See Figure 1.0) Each output is supported by local load fusing, led indicators and programmable output functions. Each digital input is optocoupled for added protection and has fully programmable functions.

number of connector schemes are supported:
ommunication and logic power: dual RJ45 **phone** or .2" center to center terminal locks. Load supply: .2" center to center **terminal** block. Load **output**: .15" center to center terminal block. Switch input .15" center to center terminal block. Supply output .15" center to center terminal block. The board is mounted on grounding standoffs. There is also a grounding connection to the board, on all Techlon Nodes a chassis ground stud on the outside of a module enclosure is standard.

Specifications

- 2K Ram
- 512 Byte EEPROM on Neuron Chip for (Network Information).
- 32K EPROM for (application code).
- Voltage: Operating: 8V–18V DC; Max: 7.5V–33V DC
Expanded voltage available.
- Eight Outputs can support a load @1.250Max. A.
- Eight Digital inputs with a Max Voltage of + 24Vdc
- Max. Power for each load 30 Watts.
- Operating Temperature: -40° C to +85° C.
- Storage Temperature: -60° C to +100° C.

Dimensions

Board Dimensions 5.25" w x 3.0" h x 1.0" deep.
Package and different connector configurations available by request.

Transceiver Support

TELN 1068 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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