



## TELN 1022

### 2-Channel Output Module

#### Description

Techlon's 2 Channel FET (field effect transistor) output module (TELN 1022) is designed to supply two separate DC (12 volt) load-monitored source to ground solid state outputs. This FET module is primarily designed to power devices where variable output (PWM) DC control is advantageous, (i.e. light dimming and fans). 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. (See Figure 1.0) Each output is supported by local load fusing, a manual override button, load state indication, programmable output function, and load current and voltage sensing.

- A number of connector schemes are supported:
- Communication and logic power: dual RJ45 phone or .2" center to center terminal locks.
- Load supply: .3" center to center terminal block, .25" Fastcon spade connection, or AMP INNERGY series PC mount connectors.
- Load output: .3" center to center terminal block, .25" Fastcon spade connector, or AMP INNERGY series PC mount connectors.

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 EPROM for (application code).
- Voltage: Operating: 8V-18V DC; Max.: 7.5V-33V DC Expanded voltage available.
- Two Loads @Max. 10A.
- Max. Power: 120 Watts.
- Operating Temperature: -40° C to +85° C.
- Storage Temperature: -60° C to +100° C.

#### Transceiver Support

TELN 1022 Provides support for the following types of transceivers:

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

#### Dimensions

- Board Dimensions 5.25" w x 3.0" h x 1.2" deep.
- NEMA 1 packaging is supported by a 7.5" w x 4.0" 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.
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