

FEATURES

INPUTS:

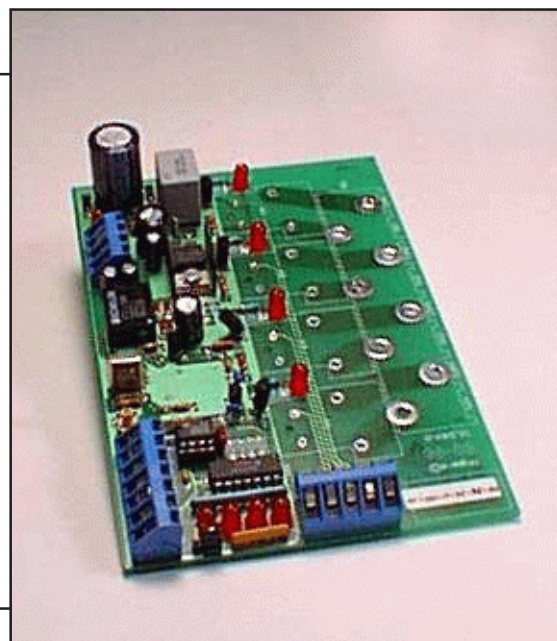
- Four (4) dry contact closures
- One (1) analog/pulse/resistance
- Twisted pair - uses FTT10A Free Topology Transceiver - values available as network variables

OUTPUTS:

- Four (4) Digital Transistor (open collector) Outputs
- Four (4) status LED's for those outputs

APPLICATIONS

- LED Annunciator for Pholon
- Multiplexing of override inputs to Pholon
- Additional I/O for LonWorks network



PRODUCT DESCRIPTION

The IONLON Version 2 is a four digital input/Four digital output node. The IONLON accepts data from the analog or dry contact inputs or the LonWorks network, and outputs digital signals.

Inputs and User Choices

The IONLON VERSION 2 input dry contact closures for remote overrides can be configured by network software to be momentary or maintained. The network software also configures whether the digital outputs operate from the IONLON Version 2's digital (dry contact) inputs, or other network overrides or controllers.

An additional input can be configured by the network software to be either a pulse counter or 0-5 VDC analog input, and moving a jumper shunt, the analog configured input will accept a photoelectric cell (resistive input).

Output Status

When an appropriate signal type is presented, the IONLON Version 2 Node will turn on the digital transistor (open collector) output. An onboard status LED for each digital output will indicate on or off state.

Smart Operation

In case of a power loss, the current state of the digital outputs is stored in on-board RAM for recovery (10 hour maximum backup - optional battery for longer times). Upon power restoration these outputs resume their last commanded state, but sequence ON in one second intervals to reduce power surge. Network software determines whether the digital outputs operate individually or in groups.

Versatile

The IONLON Version 2 was designed to increase the number of overrides to the PHOLON, and as the IONLON Version 2 is connected to the LonWorks bus those overrides can be identified. It can be mounted with PHOLONS in enclosures near breaker panels, or mounted remotely to provide remote indication of overrides in progress. The IONLON Version 2 is supplied with a 6" length of plastic snap track for mounting and is powered by 24 VAC or VDC.

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	24 VAC or VDC +/- 10% (21.6 to 26.4 volts)
Supply Current	150 mA maximum

Input

Four (4) dry contact closures	DI1 to DI4. Dry contact closure to common, network configurable for momentary or maintained
One (1) Analog	0-5 VDC (Network selectable between analog or pulse counter)
One (1) Resistance	When in Analog mode, jumper shunt can select Photoelectric Cell Input
One (1) Pulse	5-24 VDC, 20 mA maximum

Output

Digital Output	DO1 to DO4. Transistor (or open collector) outputs. Each output is limited to approximately 2.7 mA when the 22V terminal is used.
Output Status	LED common anode connections from 22V (approx. 20V) to the DO1 to 4 terminals.

Communications

Neuron	MC143120E20DW (Motorola) or TMPN3120FE3M (Toshiba) (check product for brand model number)
Transceiver	Echelon Free Topology (FTT-10A)
Protocol	Echelon LonTalk ®

Memory (I/O Status)

Type	Dallas EconoRAM
Storage Time	Minimum of 10 hours, Optional Battery Backup for longer time.

Mechanical Requirements

Connections

Terminal Type	Captive screw, moving clamp design in nickel plated copper alloy.
Wire Size	Up to one 14 AWG

Dimensions

4.0" W X 6.0" L X 1.5" H

Weight

4 oz.

Mounting

6" length of 4.0" wide (TK6) Snap Track provided

Environmental Requirements

Operating Temperature	32 to 120 degrees F
Storage Temperature	-20 to 150 degrees F
Operating Humidity	10 to 95% non-condensing

Specification may change without notice to improve quality or functionality.

If you have a different application or need, please call 1-800-886-2281 and discuss your needs with our Sales Engineers