



AddMe II

30 I/O Points in a Single Node

16 Analog/Universal Inputs
4 Analog Outputs
8 Discrete (Relay) Outputs
2 Pulse/Discrete Inputs

LonMark Certified
Sensor & Actuator
Functional Blocks

Control Solutions' AddMe II features 16 universal inputs with changeable network variable types. The universal inputs are context sensitive. When configured as an analog input, the continuously self-calibrating sigma-delta converter produces 15-bit resolution with high noise immunity. When configured as a discrete input, the converter switches to 8-bit resolution at 128 samples per second for fast response.

Network variables for the analog I/O points may be configured for any scalar LonMark SNVT, fixed point or floating point. In addition, analog (universal) inputs may be configured to SNVT_switch with the on threshold programmed via the translation tables. Translation tables allow linearization of type II or type III thermistors or other nonlinear sensors. Both 3K and 10K thermistors can be connected directly to analog inputs. A 24VDC excitation output is also provided for sourcing up to sixteen 20mA sensor loops.

Only LonMark standard variable types and configuration properties are used. The standard LonMark Object plug-in, or LonMaker browser, can be used to do all necessary configuration. Send times for network traffic throttling and heartbeat, send on delta, object override, etc., are all supported per LonMark standards.

The analog sensor inputs include the full complement of LonMark alarm features. Each input has two high and two low alarm limits with hysteresis. Alarms are reported via the node object nvoAlarm2, and also appear in the sensor's object status.

FEATURES

- LonMark Ver. 3.3 Sensor & Actuator Functional Profiles
- UL 916 Listed
- 16 Analog/universal inputs
 - 0-10VDC, 4-20mA (0-20mA)
 - Thermistor, dry contact
 - 0.1% reference, up to 16-bit resolution
 - 24VDC excitation output for sensor loops
- 4 Analog outputs
 - 4-20mA (0-20mA)
 - 8-bit resolution
- 8 Discrete outputs
 - Form A relay, 5A @ 24VAC*
- 2 Discrete inputs
 - TTL to 24VDC
 - Pulse input to 5kHz (1 channel only)
 - Total count to 10Hz (2 channels)
- Configurable Network Variable types
- Translation tables for analog I/O, user defined linearization
- LonMark certified, version 3.3
- 3150 Neuron® Chip, 48K Flash memory, 10K RAM
- TP/FT-10 (FTT-10A) transceiver
- Powered by 18-30VDC or 24VAC 50/60 Hz
- Requires 30VDC/24VAC if 24VDC excitation output used
- Power Consumption: 0.5A @ 30VDC max.
- DIN rail mounting, 100mm H x 155mm W x 60mm D
- LED indicators for power, service & wink
- Pluggable screw terminal blocks
- FCC Class B, CE Mark



* UL 916 rating: 24VAC; Industrial rating: 120VAC

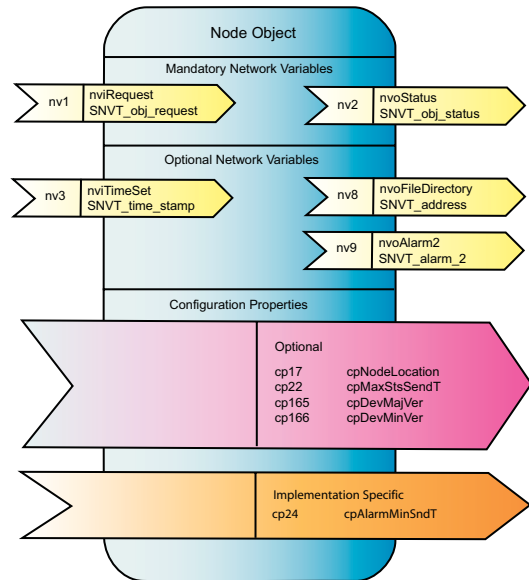
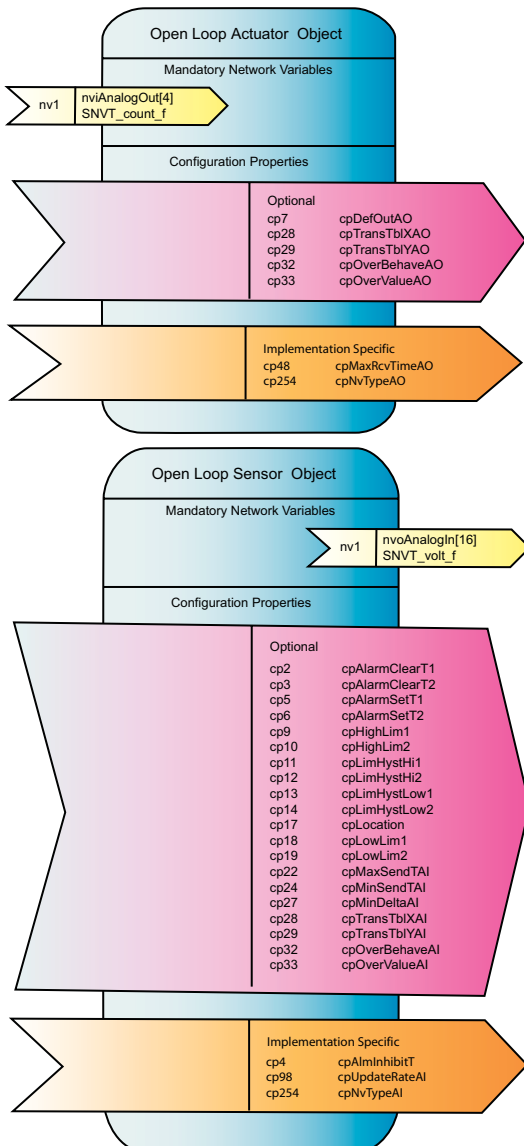
www.csinn.com

AddMe II™ LonMark® Functional Profiles

All of the I/O points are defined as LonMark sensor or actuator objects for maximum flexibility. Features such as network traffic throttling, heartbeat, override, and send on delta are supported. Network variable types may be changed on analog I/O and discrete input. Analog I/O may be linearized with a translation table.

The analog sensor inputs include the full complement of LonMark alarm features. Each input has two high and two low alarm limits with hysteresis. Alarms are reported via the node object nvoAlarm2, and also appear in the sensor's object status.

Analog I/O functional blocks are shown here. The discrete I/O functional blocks are subsets of these. Refer to www.csimn.com for complete functional block details.



AddMe II makes a perfect addition to an i.LON for data logging and remote monitoring.



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www.csimn.com



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