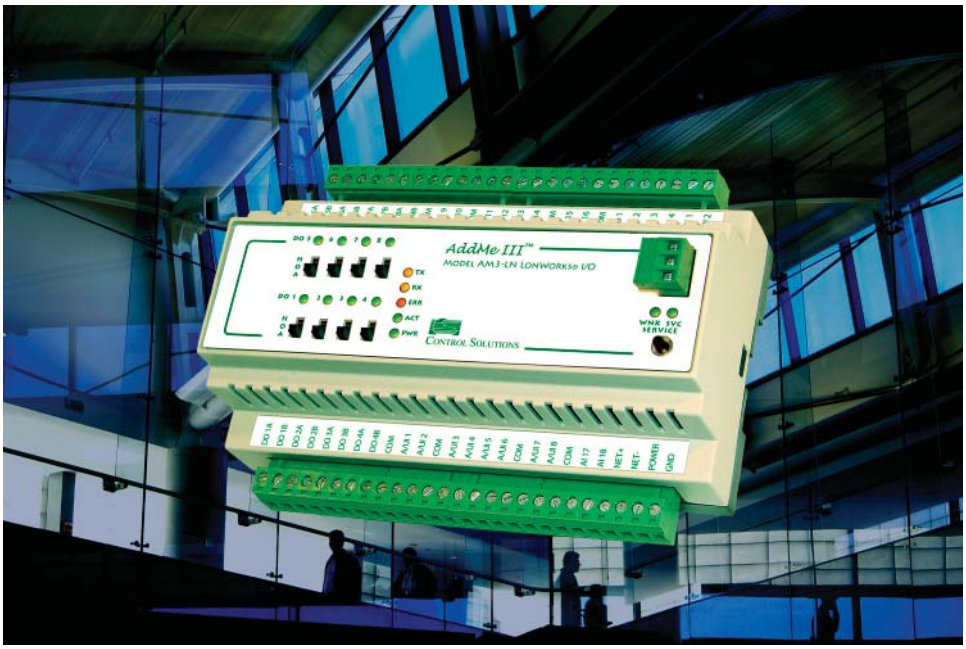
AddMe® Family
LonWorks I/O

Control Solutions, Inc.
Minnesota



AddMe III

32 I/O Points in a Single Node

18 Analog/Universal Inputs
4 Analog Outputs
8 Discrete (Relay) Outputs
2 Pulse/Discrete Inputs
20 Modbus RTU Sensors
7 Modbus RTU Actuators

LonMark
Sensor & Actuator
Functional Blocks

AddMe III LonWorks I/O

Control Solutions' AddMe III features 18 analog/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 10-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. Additional 56-point linearization tables are pre-programmed to convert 3K, 10K or 20K thermistors to SNVT_temp, SNVT_temp_p or SNVT_temp_f.

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.

AddMe III includes an RS-485 serial communications port in addition to the LonWorks TP/FT-10 network port. AddMe III includes a Modbus RTU Master. Up to 27 registers or objects may be interfaced, each mapped to a bindable network variable. There are 7 network input variables for writing Modbus registers, and 20 network output variables for reading Modbus registers.

FEATURES of Model AM3-LN

- LonMark Sensor & Actuator Functional Profiles
- 18 Analog/universal inputs (16 universal + 2 analog only)
  - 0-10VDC, Thermistor, dry contact
  - 0.1% reference, up to 16-bit resolution
  - Software selectable input types (16 channels)
- 4 Analog outputs
  - 4-20mA (0-20mA)
  - 8-bit resolution
- 8 Discrete outputs
  - Form A relay, 5A @ 120VAC
  - HOA switches & status indicators
- 2 Discrete inputs
  - TTL to 24VDC
  - Pulse count frequency input
  - Totalizing count input
- 27 Register Modbus RTU gateway built in
- Configurable Network Variable types
- Translation tables for analog I/O
- LonMark certification pending
- TP/FT-10 (FTT-10A) transceiver
- Powered by 18-30VDC or 24VAC 50/60 Hz
- Power Consumption: 0.3A @ 24VDC
- DIN rail mounting, 100mm H x 155mm W x 60mm D
- LED indicators for power, service & wink
- Pluggable screw terminal blocks
- FCC Class A, CE Mark
- LonMark 3.4 Certified

www.csimn.com

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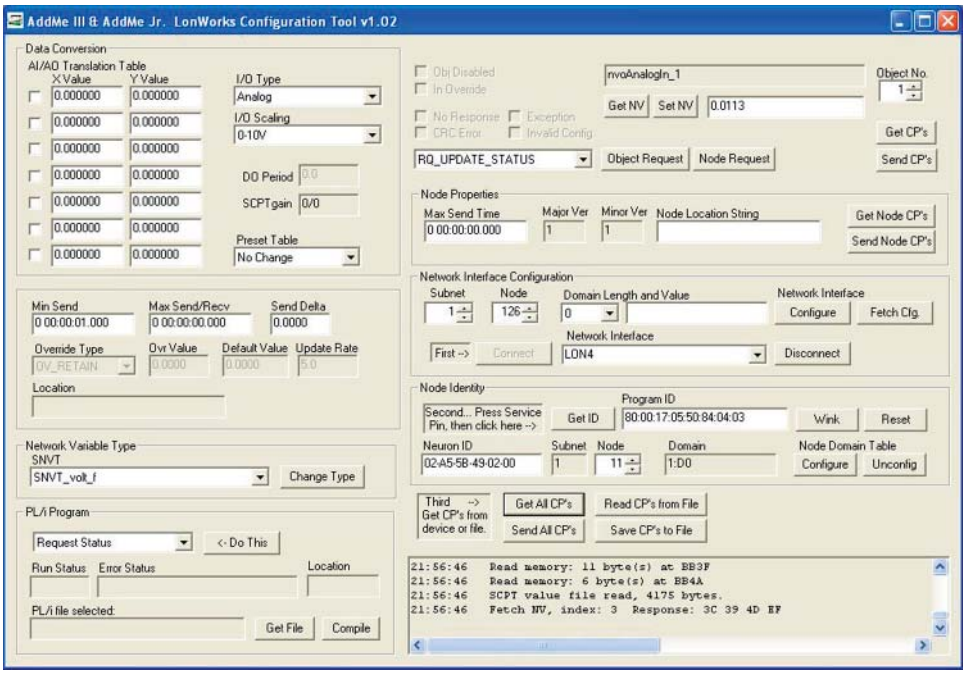
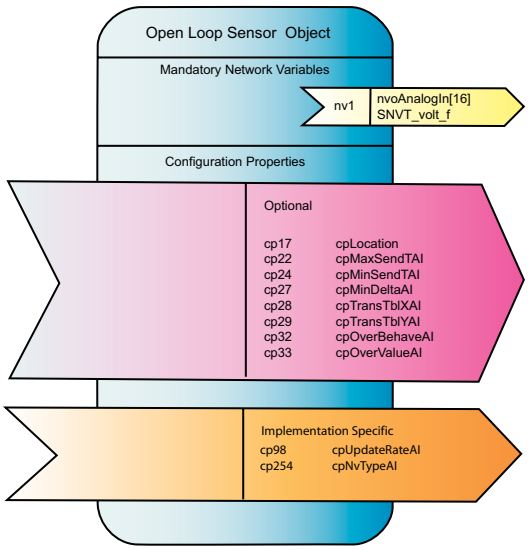
Easy to use off-line configuration tool is Free!
You can also use LonMaker or any other tool with configuration property access to configure AddMe III.



Use our Free configuration tool with any OpenLDV supported LonWorks network interface on your PC. Set configuration properties, read & write network variables to test your configuration, read object properties for diagnostics, and upload your PL/i program if you wish. Save your settings to an XML file to recreate the same configuration later. The free download includes HTML help pages to guide you through setup and device configuration.

AddMe® III 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.



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