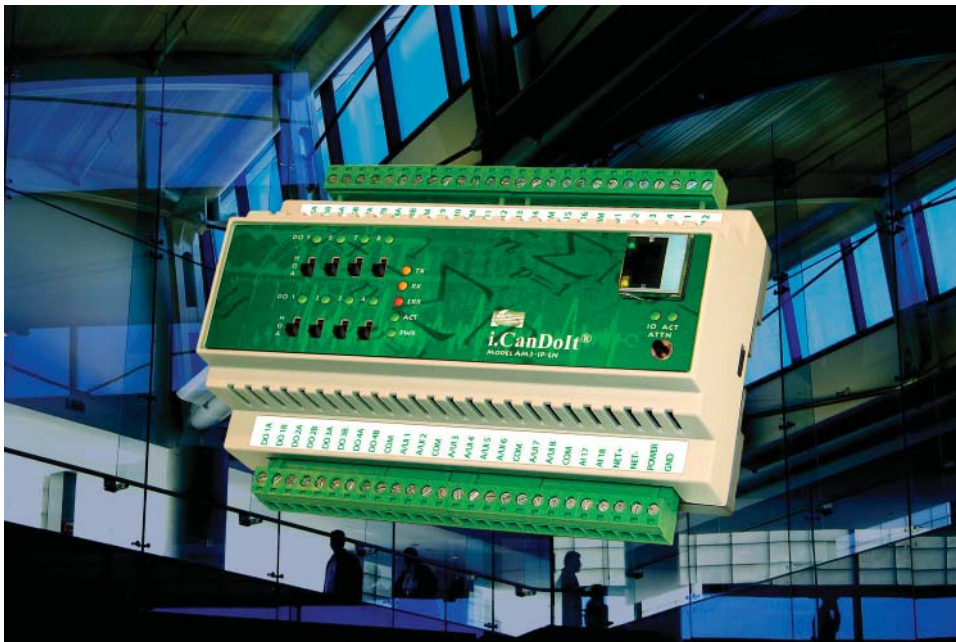# AddMe® III
i.CanDoIt®

CONTROL SOLUTIONS, INC.
MINNESOTA

AddMe III

32 I/O Points in a BACnet IP Client/Server

18 Analog/Universal Inputs
4 Analog Outputs
8 Discrete (Relay) Outputs
2 Pulse/Discrete Inputs
RTU Gateway

Scheduling
Astronomical Clock
Data Logging
Event Notification

i.CanDoIt® AddMe III

Control Solutions' i.CanDoIt® Web Server for BACnet IP provides scheduling, alarm monitoring and notification, data logging, and programmable control. AddMe III features 18 universal context sensitive inputs. 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. AddMe III also includes 4 analog outputs, 2 pulse inputs, and 8 Form A relay outputs.

AddMe III includes powerful web based features, including:
• Data logging and event logging, trending
• Email notification and email data log delivery
• Weekly and on-demand real time scheduling
• Astronomical clock and time/date clock
• Template rule generation for traps, emails, output triggers
• BACnet IP client and server concurrently
• COV Subscription support
• Modbus RTU Master
• Programmability using PL/i structured language
• Integral web server with Flash file system
• User designed web pages with CGI access to data points
• Web based configuration and monitoring
• Cell phone friendly event notification capability
• Dynamic DNS support
• DNS host lookup, DHCP
• FTP data file access & firmware upgrades
• Web client for server driven remote monitoring

FEATURES of Model AM3-IP-BN

• I/O points and undedicated BACnet IP objects
  • 300 Input objects each of types AI, BI, MSI
  • 100 Output objects each of types AO, BO, MSO
  • Output objects commandable with priority array
  • 100 Value objects each of types AV, BV, MSV
• COV Subscription support
• BACnet IP client for interface to other servers
• Ethernet 10/100BaseT BACnet IP
• Web based configuration & operation, User web pages
• Data logging, scheduling, email notifications
• Freely programmable with structured control language
• 18 Analog/universal inputs (16 universal + 2 analog only)
      • 0-10VDC, Thermistor, dry contact
      • Software selectable input type (16 channels)
      • 0.1% reference, up to 16-bit resolution
      • Continuously self-calibrating sigma-delta converter
• 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
• RS-485 Modbus RTU Master
• Powered by 18-30VDC or 24VAC 50/60 Hz
• DIN rail mounting, 100mm H x 155mm W x 60mm D
• FCC Class A, CE Mark, -40C to +70C

www.csimn.com

i.CanDoIt® AddMe III

Control Solutions' *i.CanDoIt*® AddMe III packs a lot of I/O with the most commonly used capabilities in our growing family of popular web appliances.

Funtions:
• Data Logging
• Remote Monitoring & Alarms
• Event Notification
• Scheduling (Astronomical or Time/Date)
• User Programmable Control Algorithms
• User Programmable Web Pages

BACnet Protocol Implementation Conformance Statement (Abbreviated)

Date: 30 October 2008
Vendor Name: Control Solutions, Inc.
Product Name: AddMe III BACnet IP Web Server
Product Model Number: AM3-IP-BN
Applications Software Version: 3.01
Firmware Revision: 3.01
BACnet Protocol Revision: 2

Product Description: Web server providing BACnet IP I/O, plus web based features including local scheduling and alarm notification via email.

BACnet Standardized Device Profile (Annex L):
► *BACnet Smart Sensor (B-SS)*
► *BACnet Smart Actuator (B-SA)*

List all BACnet Interoperability Building Blocks Supported (Annex K):
DS-RP-B, DS-RPM-B, DS-WP-B, DS-COV-B, DS-COVP-B,
DM-DDB-B, DM-DOB-B, DM-RD-B

Segmentation Capability: (None)

Standard Object Types Supported:
Object types: AI, AO, AV, BI, BO, BV, MSI, MSO, MSV, DEV (all static)
See additional documentation for optional & proprietary properties.

Data Link Layer Options:
► *BACnet IP (Annex J)*
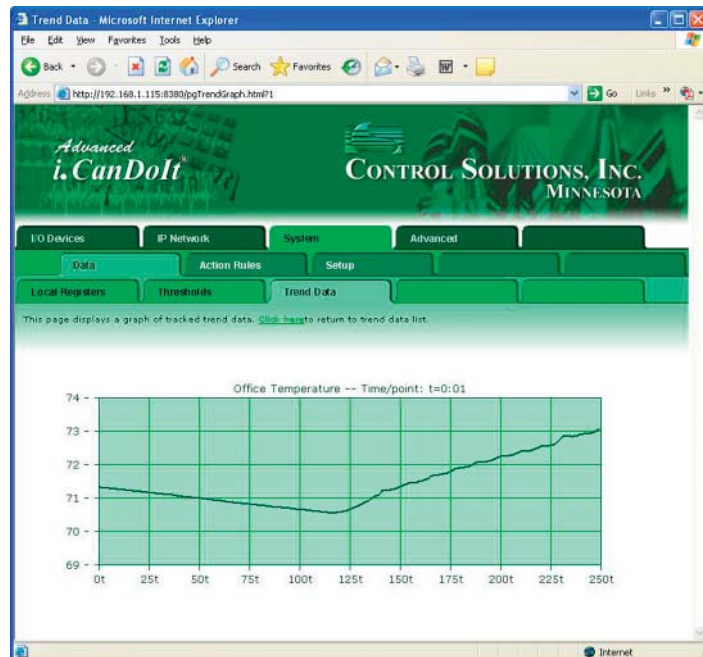
Device Address Binding:
Is static device binding supported? No

Networking Options: (None)

Character Sets Supported: ANSI X3.4

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:

Modbus RTU gateway included, functions as Modbus master transferring data between Modbus registers in remote device and BACnet objects in local device.

i.CanDoIt® is available now. Visit www.csimn.com for more information, a guided tour of the web server, and an online demo copy of the entire web site contained in AddMe III.

Visit our web site for
• Full details
• User Guides & Software
• Pricing
• On-Line Ordering

www.csimn.com

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