



Savvy™

ENERGY INFOSYSTEM

Smarter
Faster
Digital
Communicator

Savvy It's the highest performance single building processor now available to you. Savvy is powerful, easy to install, easy to use – and, because of its reliability, we offer the best warranty in the business.

Advanced Ethernet Capabilities

This new Energy Infosystem provides greater memory, processing power and communications speed – to maximize control of both energy demand and supply side energy management.

Bottom Line: With Novar, You Know It's Smart

NOVAR®
CONTROLS

With Novar, you know.

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Input
Output

Howki

VAV

ETM

UVC

ETC

HPC+



Specifications

Savvy[™]
ENERGY INFOSYSTEM

Savvy is the smart communicator at the heart of LOGIC ONE[®]. Its powerful processing speed allows for fast monitoring of crucial systems such as temperature, electrical use and air quality. Up to 31 inputs and outputs can be user-configured for custom controlled loads.

Physical Characteristics

Height:	30 inches.
Width:	13.3 inches.
Depth:	2.5 inches.
Weight:	15.6 lbs. (All-aluminum enclosure).
Mounting:	Four slotted mounting holes on base with enclosed terminal strips for I/O and power connections and knockouts for 1/2-inch and 3/4-inch conduit fittings.

Operating Environment

Temperature:	32° to 140° F (0° to 60° C).
Humidity:	0 to 95% relative, noncondensing.

Electrical

Voltage:	24VAC (Class 2).
Consumption:	40VA.
Analog Inputs:	4 to 20mA.
Digital Inputs:	Contact closure only.
Digital Outputs:	24VAC Triac: 2 ampere (pilot duty), AC only. Relay: 2 ampere (pilot duty), AC or DC.
Output (Fault):	24VAC or VDC, 2 ampere (pilot duty).

Special Circuits/Diagnostics

Over Current:	Protects against overloading of current loop power supply.
Low Voltage Detect:	Senses proper operating voltage.
Temperature Sensor Monitor:	Verifies outdoor temperature sensor operation.
Memory Test:	Verifies memory size and functionality.
Watch Dog:	Monitors and ensures Savvy timing and operation.
Surge Suppression:	All inputs/outputs protected against lightning-induced surge or voltage transients.
Real-Time Clock:	Quartz crystal provides day, month, date, years, hours, minutes and seconds; automatic synchronization.
Built-in Rechargeable Battery Backup:	One hour UPS. 5 year full memory and clock.

Novar Network Communications

Method:	RS-485.
Cable (network):	2-wire, shielded cable. Belden 8761 or equivalent.

Local Area Network (LAN) Communications

Method:	Ethernet (IEEE 802.3), RJ45 interface jack.
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Remote Communications

Network:	Ethernet (IEEE 802.3) LAN/WAN, RJ45 interface jack.
Phoneline:	Industry standard modem, RJ11 interface jack.

Memory

Fully Configured Memory:	16M bytes RAM, 8M bytes flash memory.
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Local Controls

Electrical Override:	8 On/Off/Auto switches to manually (electrically) override outputs.
Remote Override:	8 override inputs to activate output operation during scheduled off periods.
Local Access:	RS-232 direct connect via laptop.

Input/Output Points (User-Definable)

Inputs:	8, analog or digital.
Outputs:	8, digital (discrete on/off or pulse width modulation).
Input/Output Range:	7, 15, 31 modules. Up to 500 points.

Dedicated Inputs/Output (Global)

Inputs:	Outdoor Light Sensor, Outdoor Temperature Sensor, Demand Pulse, Phase Loss Sensor, Emergency Status.
Output:	System Fault Output.

Specifications subject to change without prior notification.

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