Remote Touchscreen

Savvy With Touchscreen

Savvy®
ENERGY INFOSYSTEM

Smarter, Faster Digital Communicator

Savvy® the primary controller designed to manage and monitor the Novar Controls energy and information management system for medium to large single buildings.

Savvy's processing power and communication speed make it one of the most reliable information management systems available today. It provides optimum control to:

- Lower energy costs.
- Increase building comfort.
- Reduce equipment maintenance.

Savvy's advanced technology provides the ability to:

- Verify equipment status.
- Monitor and adjust critical operating parameters.
- View critical facilities management information.
- Obtain operational and diagnostic data.

NOVAR®
CONTROLS

With Novar, you know.

SavVy ENERGY INFOSYSTEM Specifications NovarNext

Savvy allows facility and energy managers to access network systems to obtain real-time data to optimize energy usage and demand control
Savvy offers so much more:

- *Control up to 31 modules per Savvy.*
- *Multiple communication capabilities.*
- *Centralized control for a single building.*
- *One optional remote touchscreen can communicate with one or multiple Savvys.*

Physical Characteristics

Height:	*30 inches*
Width:	*13.3 inches*
Depth:	*2.5 inches*
Weight:	*15.6 lb (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*

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*

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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NOVAR® CONTROLS

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