



Envoy's processing power and communication speed make it one of the industry's most sophisticated tools for monitoring critical equipment in small buildings, automating functions such as:

- HVAC control.
- Interior and exterior lighting.
- Electrical demand and consumption.
- Security systems/motion detectors.
- Signage.

Web access, remote monitoring capabilities, improved temperature control, reduced energy and maintenance costs—these are just a few of the many advantages Novar Controls' Envoy offers small building facility managers.

The possibilities are endless.

NOVAR[®]
CONTROLS

HVAC
Interior and Exterior
Signage Lighting
Security

Envoy[®]
InfoSYSTEM

Multi-site Small
Building
Control
Module

With Novar, you know.



Specifications

Envoi allows facility managers to access network systems to obtain real-time data to minimize energy usage and optimize demand control. Envoi offers:

- Multiple communication capabilities.
- Centralized small-building control.
- Easy installation.
- Integral Web Server.
- Optional integral touchscreen.

Envoi's sophisticated level of control meets all North American product safety requirements and carries the UL mark of safety.

Physical Characteristics

Envoi can be ordered as a wall-mount or panel-mount module.

Wall-Mount Dimensions:

Height:	7 inches
Width:	9 inches
Depth:	3 inches
Weight:	2 lb, 1 oz (All aluminum enclosure)

Panel-Mount Dimensions

Height:	5 inches
Weight:	8 inches
Depth:	2.5 inches

Operating Environment

Temperature:	32° to 158°F (0° to 70°C)
Humidity:	0 to 95% relative, noncondensing

Power Requirements

Voltage & Consumption:	24 VAC, 12 VA Class 2 or 24 VDC, 250 mA, Class 2
Digital Inputs:	Phase loss: Contact closure only

Special Circuits/Diagnostics

Low Voltage Detect:	Senses proper operating voltage
Watch Dog:	Monitors and ensures Envoi 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
Battery Backup:	Real-time clock

Network Communications

Method:	RS-485
Cable (network):	2-wire, shielded cable, Novar Controls WIR-1010 (Belden 8761 equivalent)

Local Area Network (LAN) Communications

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

Network:	Ethernet (IEEE802.3), LAN/WAN, RJ45 interface jack
Phone line:	56K Industry-standard modem, RJ11 interface jack

Memory

Fully Configured Memory:	8Mbytes RAM, 32Mbytes flash memory
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Regulatory Compliance

UL/CUL Listed device:	UL File E90949 FCC, Part 15, Class A Industry Canada ICES-003, Class A
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Specifications subject to change without prior notification.

Call Novar Controls to discover the most efficient way to manage your facility.



NOVAR[®]
CONTROLS

www.novarcontrols.com
3333 Copley Road, Copley, OH 44321
(800) 348-1235