IOM/2

Intelligent Electrical/ Mechanical Equipment Controller

IOM/2 provides supervisory and primary closed-loop control of a building's electrical/ mechanical equipment via communication with Lingo™, Savvy™ or Novar's Executive Processor or Controller.

Designed for easy expandability

System flexibility can be enhanced by connecting as many as 24 additional input/ output points through a Local Expansion Network. And, as part of a LOGIC ONE® network, IOM/2's can be reprogrammed remotely.

Bottom Line: With Novar You Know It Works

LOGIC ONE

NOVAR® CONTROLS

With Novar, you know.

Lingo
Savvy

Hawki

ETC

ETM

HPC+

UVC

VAV

Specifications

IOM/2

The IOM/2 is an intelligent controller in the family of modules that make up the LOGIC ONE® Energy Infosystem. Through communications with Lingo, Savvy, or Novar's Executive Processor or Controller, the IOM/2 provides supervisory and primary closed-loop control of all of a building's electrical/mechanical equipment.

Physical Characteristics

Height: 15.75 inches.

Width: 13.3 inches.

Depth: 2.5 inches.

Weight: 12 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: 30VA.

Analog Inputs: 4 to 20mA.

Digital Inputs: Contact closure only.

Digital Outputs: 24V.
Triac - 2 ampere, (pilot duty), AC only.
Relay - 24VAC or DC, 2 ampere (pilot duty).

Special Circuits/Diagnostics

Over Current: Protects against overloading of current loop power supply.

Low Voltage Detect: Senses proper operating voltage.

Watch Dog: Monitors and ensures IOM/2 timing and operation.

Surge Suppression: All inputs/outputs protected against lightning-induced surge or voltage transients.

Battery Backup: Supplies power for RAM and real-time clock during power losses for 90 days.

Network Communications

Method: RS-485.

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

Local Controls

Electrical Override: 8 On/Off/Auto switches to manually (electrically) override outputs.

Local Override: Time-of-day override activated via built-in keypad and display.

RS-232 Port: Provides for connection to a handheld computer terminal.

Input/Output Points

Inputs: 8, analog or digital.

Outputs: 8, digital (discrete on/off or pulse width modulation).

Local Expansion Network: Provides up to 24 additional input/output points.

Specifications subject to change without prior notification.

Listed Device, U.S., UL File #E90949(N)
Listed Device, Certified for Canada, UL File #E90949(N)

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NOVAR® CONTROLS

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GENUINE NOVAR Quality With Novar, you know!