

# 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*

**NOVAR**<sup>®</sup>  
CONTROLS

*With Novar, you know.*

LOGIC ONE



## 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.

Specifications subject to change without prior notification.

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

- 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.