MINio

Flexible Input/Output Control Module

Novar Controls' new MINio is a cost-efficient input/output control module. MINio's universal capabilities make it the most flexible LOGIC ONE® module to date. Easily configured, MINio meets a variety of building management needs, including monitoring and metering.

MINio is a key component of the LOGIC ONE® Automated Building Control System. Through communications with an executive module, MINio controls a wide range of on/off or modulating loads. The MINio's features include:

- Line voltage (120-VAC) Form C output relays (Normally Open and Normally Closed).
- User-selectable input types: Thermistor, 4–20 milliamp, 1–5 volts, and digital.
- Analog and digital outputs that can be programmed via very flexible, user-friendly menus or driven directly by Novar Custom Language routines.

The possibilities are endless.

NOVAR® CONTROLS

With Novar, you know.

Specifications

MINio's inputs and outputs can be easily configured to provide the control, monitoring, and metering needs for a variety of building management applications.

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

Physical Characteristics

Height:	6.25 inches
Width:	8.375 inches
Depth:	1.75 inches
Weight:	2 lb

Operating Environment

Temperature:	Up to 140ºF (60ºC)
Humidity:	0 to 95% RH, noncondensing

Power Requirements

Voltage & Consumption:	24VAC, 10VA Class 2. One side can be grounded.

Special Circuits/Diagnostics

Over current:	Protects against overloading of power supply.
Low Voltage Detect:	Senses proper operating voltage.
Surge Suppression:	All inputs and outputs protected against high voltage surge or transients.

Network Communications

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

Input Points

- Two digital inputs for dry contact digital inputs or meters (5-Hz. max.) or timed override.
- Six user-definable inputs can be configured as one of the following:
  - 4–20 mA inputs for analog (user-definable range)
  - Digital
  - 1-5 VDC (user-definable range)
  - Thermistor Type II or III: 10-k ohms, range –20 to 220 with 0.5-degree resolution

Output Points

- Six digital, Form C (Normally Open and Normally Closed) relay outputs. Contacts rated for 120-VAC, 3-amps resistive load. All relay outputs are isolated from each other.
- Two analog, 0–10 VDC

Status LEDs

Six for digital output status

One for module communications (Power and Communications)

Regulatory Compliance

UL/CUL Listed Device:	UL File E90949 FCC, Part 15, Class A Industry Canada ICES-003, Class A

Specifications subject to change without prior notification.

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

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