OVERVIEW

The IO-R-34 is part of a portfolio of hardware, software and tools designed for remote monitoring and control applications that enables end-to-end automation and device-to-enterprise integration.

The IO-R-34 expands JACE applications to include remote inputs and outputs located up to 4,000 feet away.

The connection uses an industry standard RS-485 multi-drop communications bus. Up to eight (8) devices can be used simultaneously, providing more than 250 IO points on a single JACE.

FEATURES

- 16 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohm, 0-10 VDC, 0-20 mA with external resistor
- 10 relay outputs (Form A contacts, 24 VAC @ 0.5 amp rated)
- 8 analog outputs (0-10 VDC)
- Powered from a 24 VAC/VDC source
- DIN rail or surface mounting
- Connects remotely to a JACE via a shielded RS-485 bus

SPECIFICATIONS

Inputs

- 16 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohms, 0-10 VDC, 0-20 mA with external resistor

Outputs

- 10 relay outputs (Form A contacts, 24 VAC @ 0.5 amp rated)
- 8 analog outputs (0-10 VDC)

Power

- External 24 VAC/VDC power supply
- One IO-R-34 can power up to four IO-R-16 modules.

Power Consumption

- All relay off: 0.75W
- All relays energized: 2.0W
- Refer to the 10- Installation Guide for requirements when powering the module from a JACE.

Agency Listings

- RoHS
- UL-916
- CE

Environmental Specifications

- Operating temperature: -20-60° C
- Storage temperature: -20-60° C
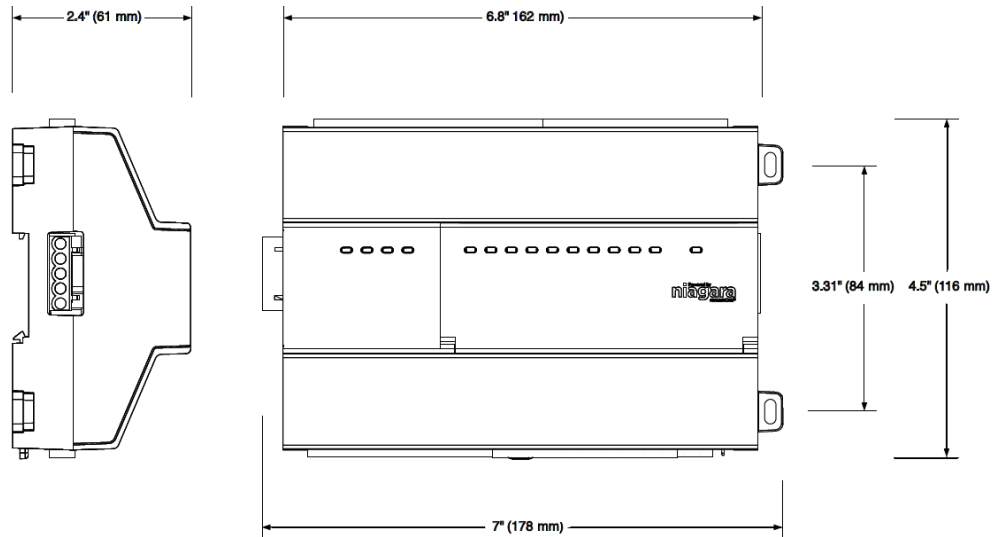- Humidty: 5%-95% — Non-condensing

Mounting

JACE 8000 and JACE 9000 IO modules support EN50022 standard 7.5 mm × 35 mm DIN rail mounting or panel mounting.
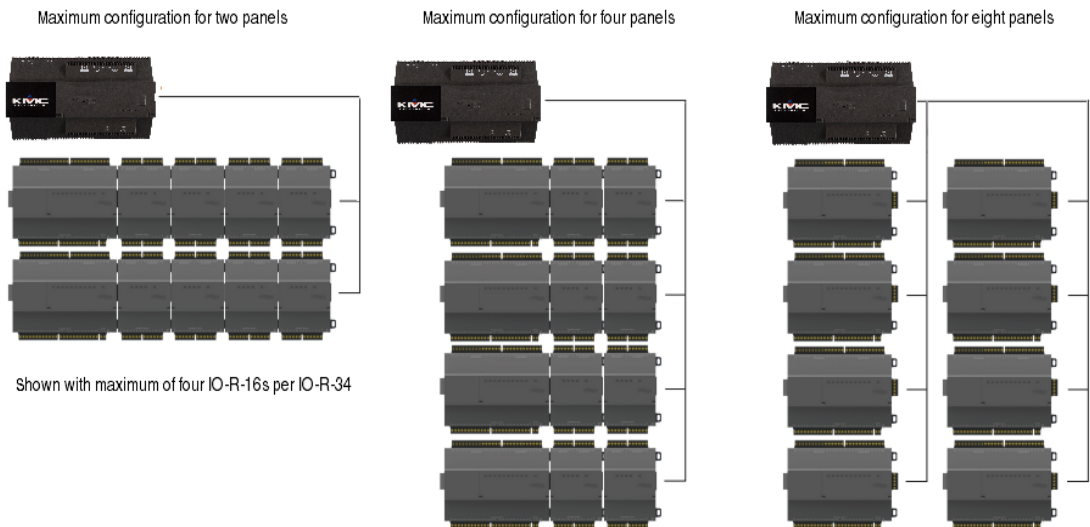
Expandability

Up to eight (8) IO-R-34s may be connected.

Dimensions

82.5 mm (w) × 116 mm (h) × 61 mm (d) (3.25 in × 4.5 × 2.4 in)

Dimension diagram showing 2.4" (61 mm), 6.8" 162 mm, 3.31" (84 mm), 4.5" (116 mm), 7" (178 mm)

COMMON CONFIGURATIONS

Maximum configuration for two panels

Shown with maximum of four IO-R-16s per IO-R-34

Maximum configuration for four panels

Maximum configuration for eight panels

ORDERING INFORMATION

MODEL/PART NUMBER	DESCRIPTION
IO-R-34	34 Point Remote IO Module. 34 Point IO Module. Powered by 24 VAC. Capable of powering four (4) IO-R-16 modules. Connected to JACE 8000/9000 remotely over RS-485.
WPM-8000	J-8000/9000 Wall Adapter, 100-240 VAC, 50/60Hz

SUPPORT

Additional resources for installation, configuration, application, operation, programming, upgrading and much more are available on the web at **www.kmccontrols.com**.

To see all available files, log-in to the KMC Partners site.