

# JACE IO R

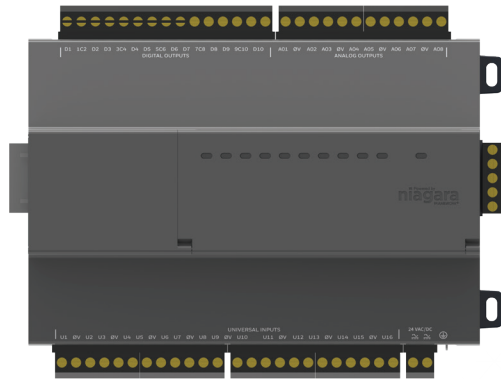
## PRODUCT DEFINITION

IO R is part of VYKON's portfolio of hardware, software and tools designed for remote monitoring and control applications that enables end-to-end automation and device-to-enterprise integration. IO R allows a JACE® controller to interface directly with simple non-intelligent inputs and outputs remotely located up to 4,000 feet from the JACE. The connection is established via an industry-standard RS 485 multi-drop communications bus. Multiple IO R devices can be utilized on a single JACE, providing 250+ IO points on a single JACE.

### IO-R-16



### IO-R-34



## SPECIFICATIONS

**Niagara 4** – Requires Niagara 4.3 or later

**Niagara AX** – Requires Niagara 3.8u3 or later

### IO-R-16

8 Universal inputs: Type 3 (10k) thermistors, 0-100K ohm, 0-10VDC, 0-20 mA with external resistor

4 Relay outputs (Form A contacts, 24VAC @ .5 amp rated)

4 Analog outputs (0-10VDC)

Powered from IO-R-34

Connected to JACE remotely over a shielded RS485 bus

### IO-R-34

16 Universal inputs: Type 3 (10k) thermistors, 0-100K ohm, 0-10VDC, 0-20 mA with external resistor

10 Relay outputs (Form A contacts, 24VAC @ .5 amp rated)

8 Analog outputs (0-10VDC)

Powered from a 24VAC/DC source

Can power up to 4 IO-R-16 modules

Connected to JACE remotely over a shielded RS485 bus

powered by

**niagara**  
framework®

# EXPANDABILITY

## MAXIMUM EXPANSION

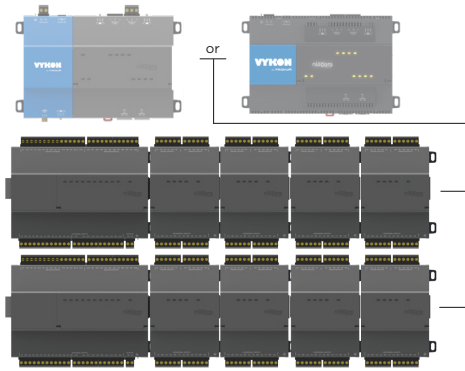
- (8) IO-R-34s  
*or*
- (16) IO-R-16s

## POWER

One IO-R-34 can power four IO-R-16 modules

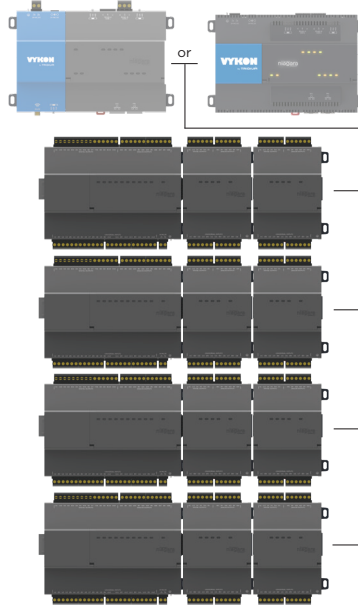
## COMMON CONFIGURATIONS

Maximum configuration  
for 2 panels

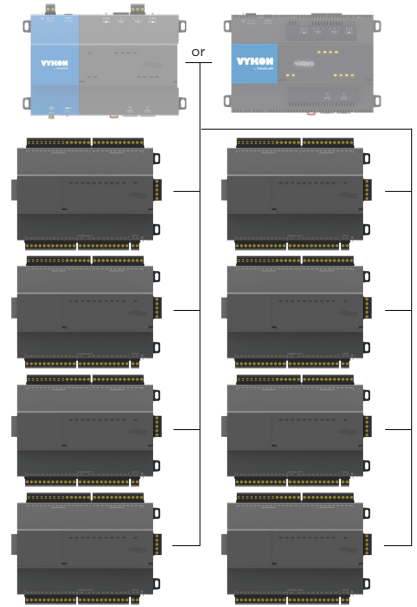


Shown with maximum of 4 IO-R-16s  
per IO-R-34

Maximum configuration  
for 4 panels



Maximum configuration  
for 8 panels



# AGENCY CERTIFICATIONS

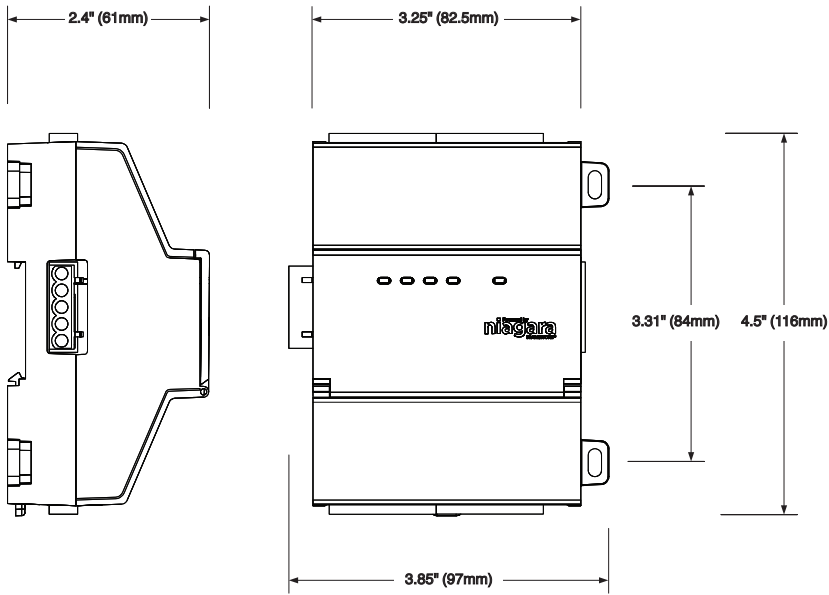
- UL 916
- C-UL
- CE EN 61326-1:2013
- RCM
- FCC part 15, class b
- RoHS2
- REACH
- WEEE
- China ROHS
- Open Energy Management Class 2

# MOUNTING & DIMENSIONS

The JACE IO modules support mounting on EN50022 standard 7.5mm x 35mm DIN rail or panel mounting.

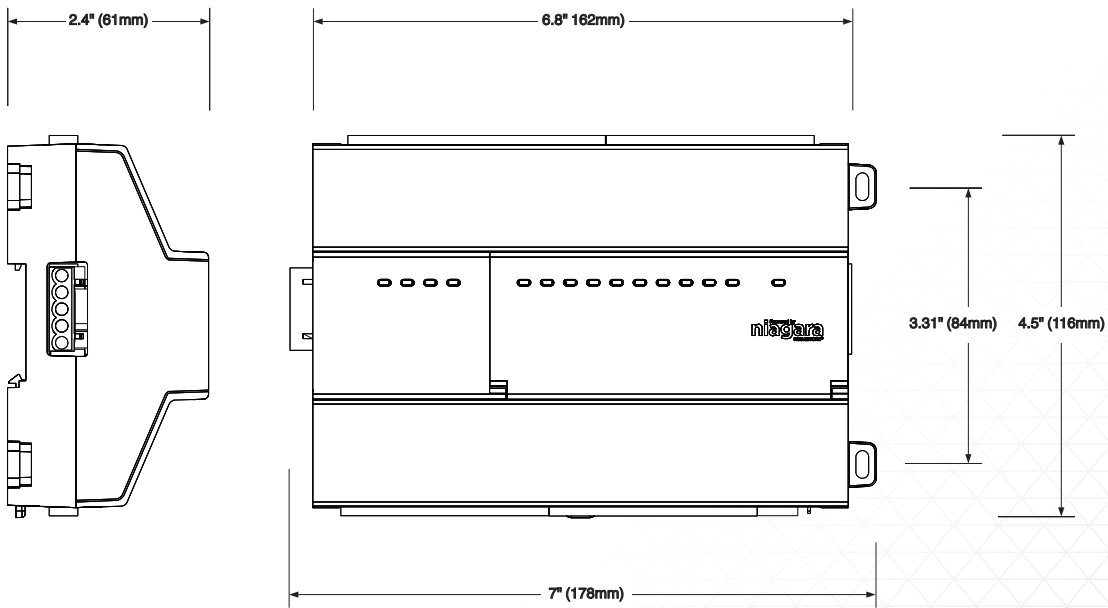
## IO-R-16

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



## IO-R-34

162mm (w) x 116mm (h) x 61mm (d) (6.8 in x 4.5 in x 2.4 in)

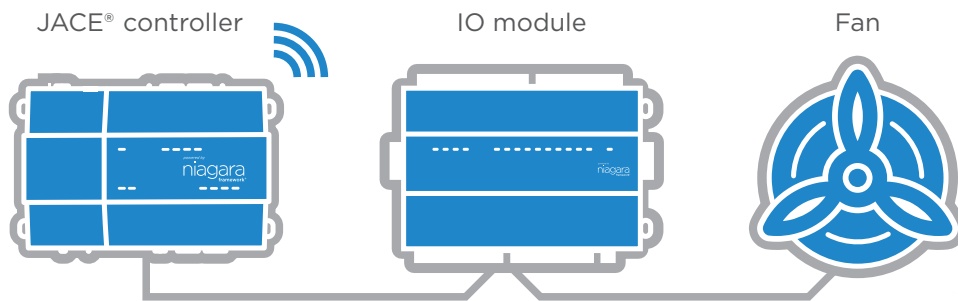




## ORDERING INFORMATION

Part number	Description
IO-R-16	16 Point IO Module. Powered by IO-R-34. Connected to JACE® 8000 or 9000 remotely over RS485.
IO-R-34	34 Point IO Module. Powered by 24VAC. Capable of powering 4 IO-R-16 modules. Connected to JACE 8000 or 9000 remotely over RS485.

## NIAGARA FOR REMOTE MONITORING APPLICATIONS



To learn more about how to purchase, install and use the JACE IO R, contact your VYKON partner. The global community of certified Niagara professionals can serve your unique business needs across any industry or geographic region.



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