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Honeywell IO Remote Modules WEB-8000 Specifications

Contents

Honeywell

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PRODUCT DEFINITION

IO Remote module is part of Honeywell'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 the WEB-8000 to interface directly with simple non-intelligent inputs and outputs remotely located up to 4,000 feet from the controller. The connection is established via an industry-standard RS 485 multi-drop communications bus. Multiple IO R devices can be utilized on a single controller, providing 250+ IO points on a single controller.

SPECIFICATIONS

WEBs-N4: Requires WEBs-N4.3 or later
WEBs-AX: Requires WEBs-AX 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 WEB-8000 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
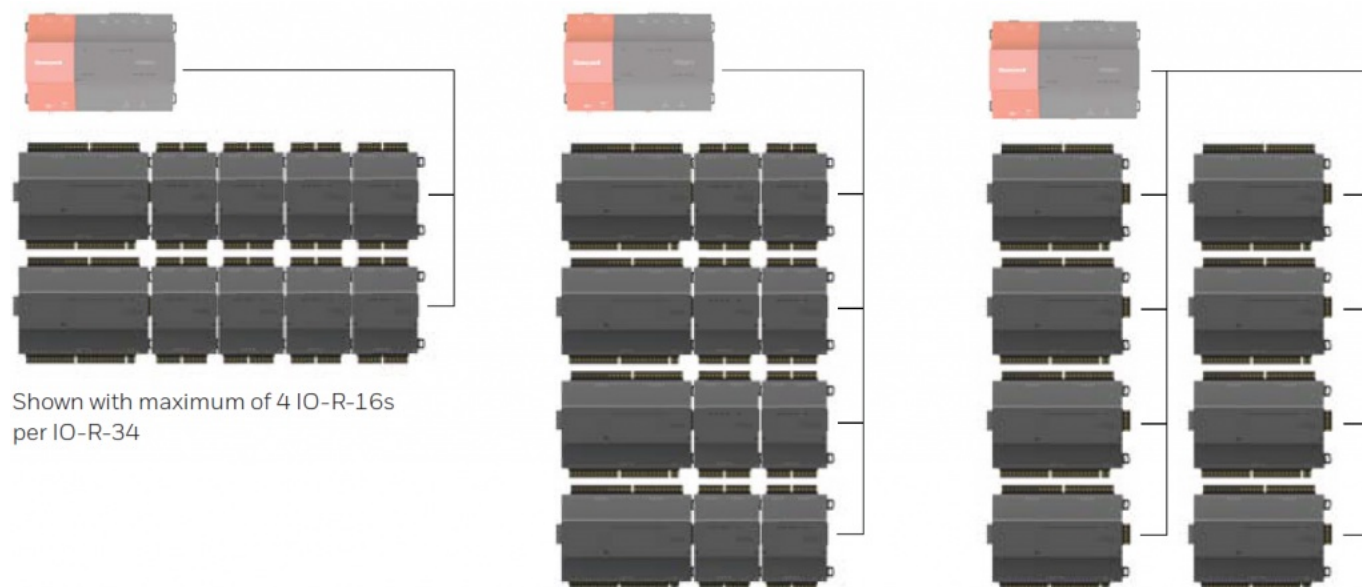Connected to WEB-8000 remotely over a shielded RS485 bus

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

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

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

ENVIRONMENTAL SPECIFICATIONS

Operating temperature: -20 to 60 °C
Storage temperature: -40 to 85 °C
Humidity: 5–95% — Non condensing
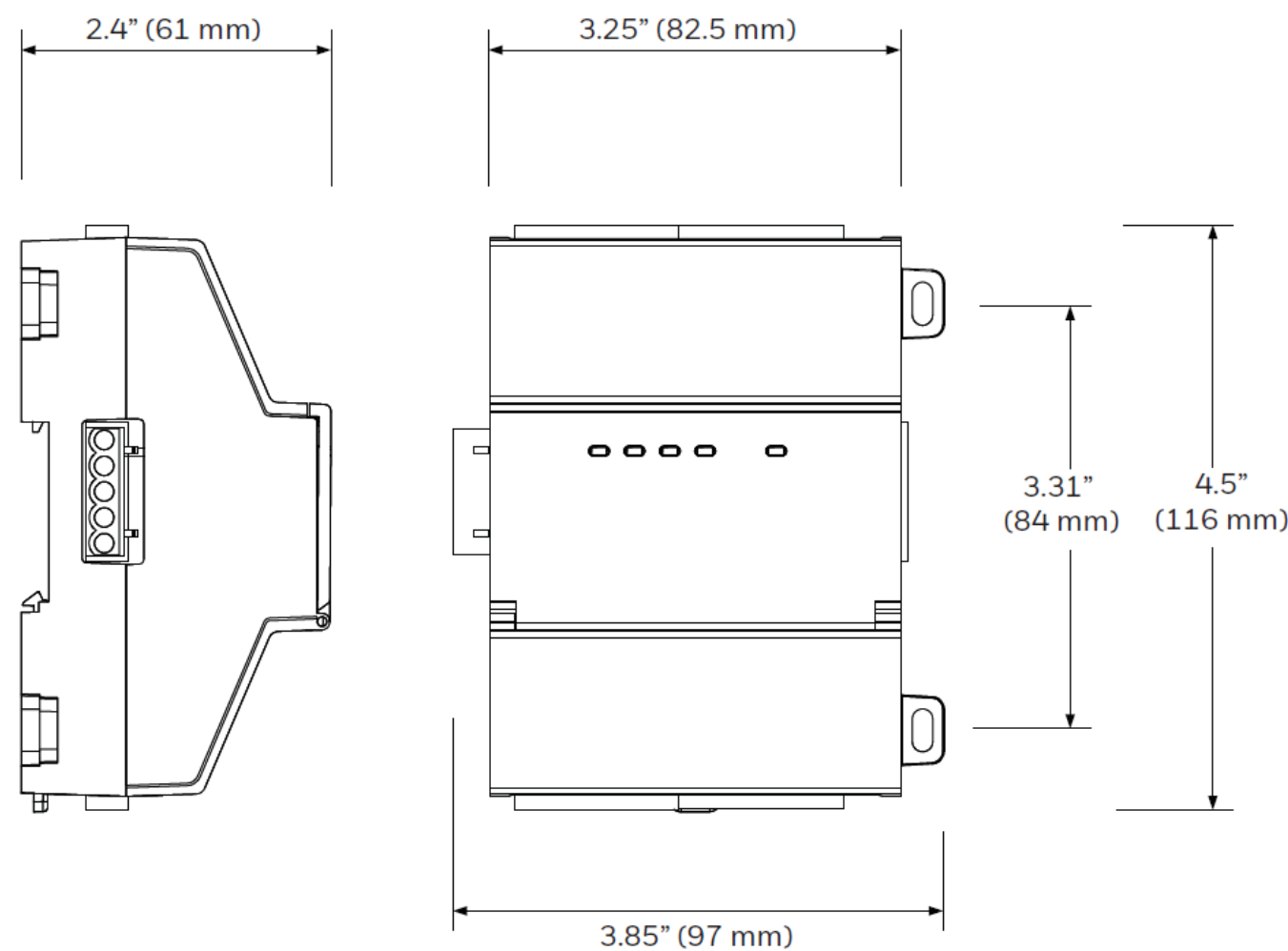**Shipping & vibration:** ASTM D4169, Assurance Level II
MTTF: 10 years+

MOUNTING & DIMENSIONS

The WEB-8000 IO modules support mounting on EN50022 standard 7.5mm x 35mm DIN rail or panel mounting.
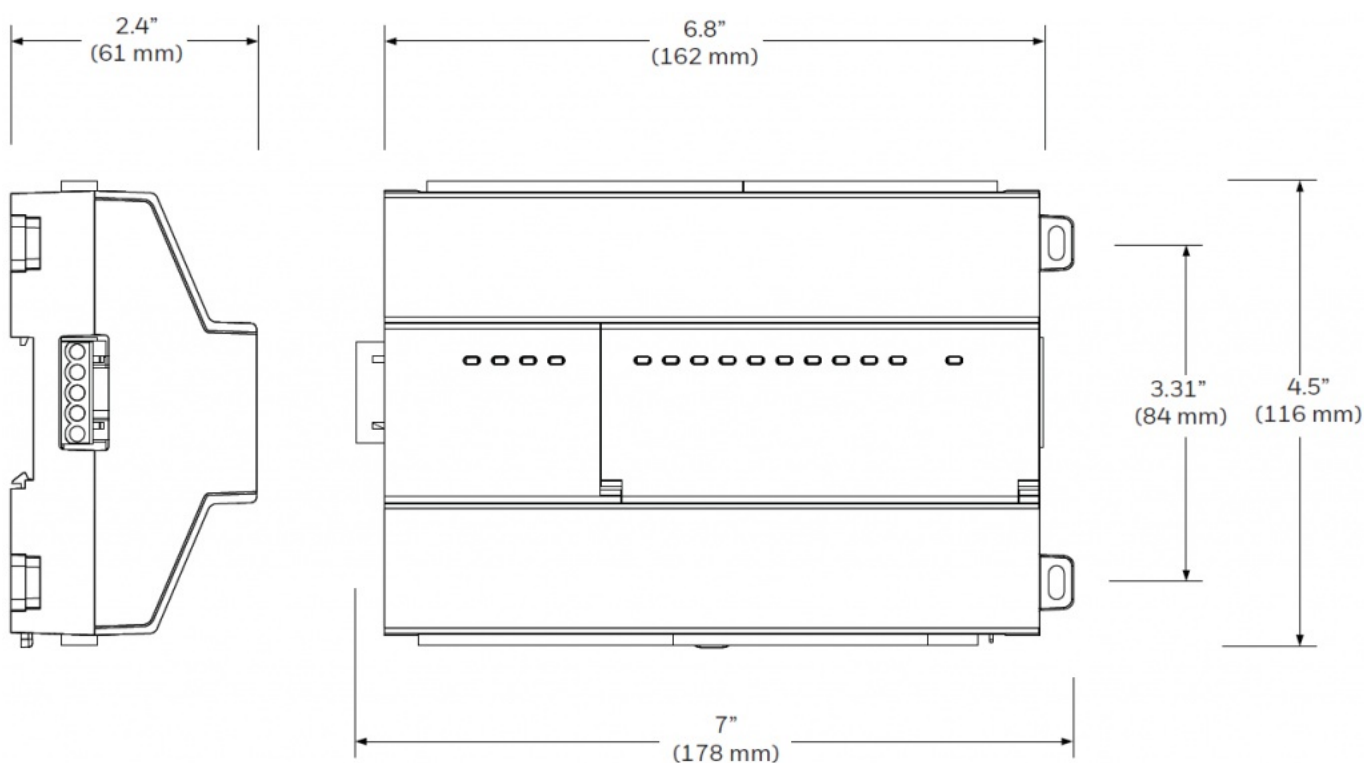
IO-R-16

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

IO-R-34

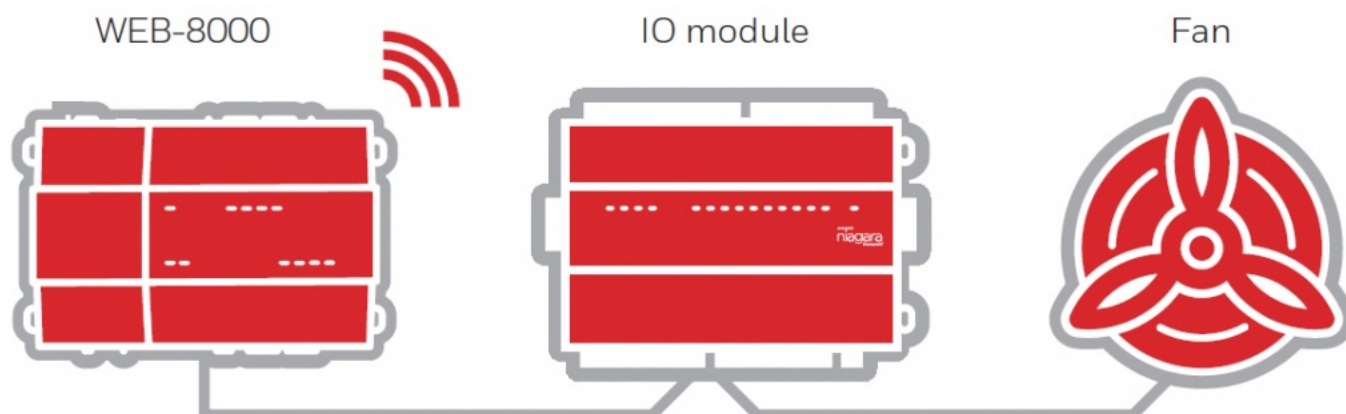162mm (w) x 116mm (h) x 61mm (d) (6.8 in x 4.5 in x 2.4 in)

ORDERING INFORMATION

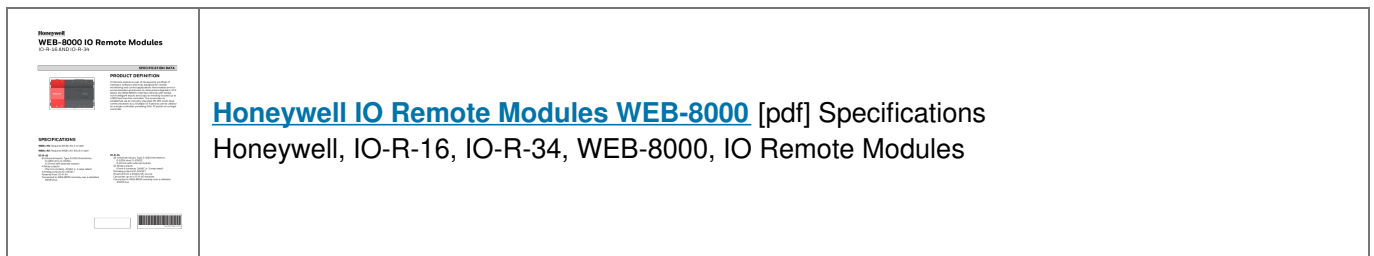| Part number	Description
IO-R-16	16 Point IO Module. Powered by IO-R-34. Connected to WEB-8000 remotely over RS485.
IO-R-34	34 Point IO Module. Powered by 24VAC. Capable of powering 4 IO-R-16 modules. Connected to WEB-8000 remotely over RS485.

NIAGARA FOR REMOTE MONITORING APPLICATIONS

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Documents / Resources

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Honeywell, IO-R-16, IO-R-34, WEB-8000, IO Remote Modules