



Model ADAM-6015

Multi-Monitor Up to 7 RTD Sensor Types

7-Channel RTD Input Module

Overview

The ADAM-6015 7-channel RTD input module accepts a wide range of RTD sensor types, including Pt100, Pt1000, Ni50, Ni508, and Balco 500 series. Multi input ranges are allowed in one module, creating a cost-effective solution. Most important, the ADAM-6015 supports open wiring diagnostic function which warns operators when the sensor wire has been broken. It specifically aims at building and factory temperature monitoring applications.

Features

- I/O Type: 7 RTD
- 10/100 Based-T Ethernet
- Supports multi-channel/multi-range
- Pt 100/1000, Ni50/508, Balco 500
- Wiring burn-out detect function

Specifications

Channels: 7 differential
Effective Resolution: 16-bit
Input Type: Pt, Balco, and Ni RTD

RTD Type and Temperature Ranges:

Pt 100 RTD
 Pt -50 to 150°C
 Pt 0 to 100°C
 PT 0 to 200°C
 Pt 0 to 400°C
 Pt -200 to 200°C
 IEC RTD 100 Ohms = 0.00385
 JIS RTD 100 Ohms = 0.00392
 Pt 1000 RTD
 Pt -40 to 160°C
 Balco 500 RTD
 -30 to 120°C
 Ni 50 RTD
 Ni -80 to 100°C
 Ni 508 RTD
 Ni 0 to 100°C

Isolation Voltage: 2000VDC
Sampling Rate: 10 samples / sec.
Input Impedance: 10KΩ
Input Connections: 2 or 3 wire
Accuracy: ± 0.05% or better
Zero Drift: ± 3 μV/°C
Span Drift: ± 25 ppm/°C
CMR @ 50/60 Hz: 150 dB
NMR @ 50/60 Hz: 100 dB
Built-in Watchdog Timer
Individual Wire Burn-out Detect
Power Requirements: Unregulated 10 to 30 VDC (Protects against power reversal)

International Headquarters:

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Power Consumption: 2W

Communication:

Ethernet Interface: RJ45
 Speeds: 10/100 Mbps
 Max. Communication Distance: 333 ft. (100m, can be extended by using switch or hub)
 Power and communication LED indicator
 TCP/IP, UDP, MODBUS/TCP supported
 Online module insertion and removal

Mechanical:

Case: ABS with captive mounting hardware
 Plug-in screw terminal block: Accepts 0.5 mm² to 2.5 mm², 1 – #12 or 2 – #22 AWG

Environment:

Operating Temperature: -10 to 70°C (14 to 158°F)
 EMI: Meets FCC Class A
 Storage Temperature: -20 to 80°C (-13 to 185°F)

Humidity: 5 to 95%, non-condensing

Ordering Information

<u>Model #:</u>	<u>Description:</u>
ADAM-6015	7-Channel RTD Module

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