



## 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 mm<sup>2</sup> to 2.5 mm<sup>2</sup>, 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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