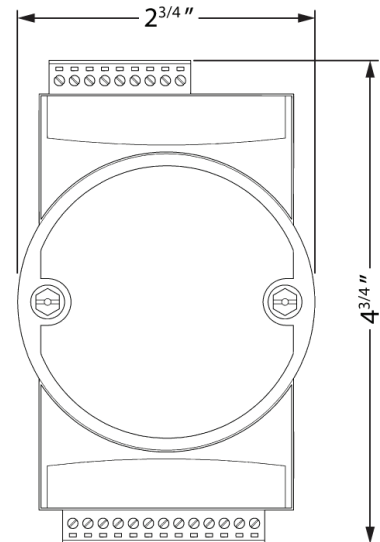


### Key Features

- ◇ I/O Type: Seven RTD (Resistance Temperature Detector)
- ◇ Supports Multi-Channel/ Multi-Range
- ◇ 10/100 Mbps Base-T Ethernet Communication
- ◇ Pt 100/1000, Ni, Balco 500
- ◇ Wiring Burn-Out Detect Function



The HSQ-6015 module accepts a wide range of RTD sensor types, including Pt100, Pt1000, Ni50, Ni508, and Balco 500 series. The 6015 allows multi-input ranges in one module, creating a cost-effective solution. This module supports an open wiring diagnostic function which warns operators when the sensor wire breaks. It's frequently used for building and factory temperature monitoring applications.

### SPECIFICATIONS

#### Analog Input

- **Channels:** 7 (differential)
- **Input Impedance:** >10 MΩ
- **Input Connections:** 2 or 3 wire
- **Input Type:** Thermocouple
- **RTD Types and Temperature Ranges:**
  - Pt 100
    - -50° – 150° C (-58° – 302° F)
    - 0° – 100° C (32° – 212° F)
    - 0° – 200° C (32° – 392° F)
    - 0° – 400° C (32° – 752° F)
    - -200° – 200° C (-328° – 392° F)
  - Pt 1000
    - -40° – 160° C (-40° – 320° F)
  - Supports both IEC 60751 ITS90 (0.03851 Ω/Ω/° C) and JIS C 1604 (0.03916 Ω/Ω/° C)
  - Balco 500
    - -30° – 120° C (-22° – 248° F)
  - Ni 518
    - -80° – 100° C (-112° – 212° F)
    - 0° – 100° C (32° – 212° F)
- **Accuracy:** ± 0.1% or better
- **Span Drift:** ± 25 ppm / ° C
- **Zero Drift:** ± 6 μV / ° C
- **Resolution:** 16-bit
- **Wire Burn-out Detection**

#### General

- **Power Consumption:** 2 W @ 24 V<sub>DC</sub>
- **Connectors:** Plug-in screw terminal block (I/O and power)
- **Watchdog:** System (1.6 second) and Communication (programmable)
- **Power Input:** 10 – 30 V<sub>DC</sub>

#### Protection

- **Over Voltage Protection:** ±35 V<sub>DC</sub>
- **Isolation Protection:** 2,000 V<sub>DC</sub>
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

#### Environment

- **Operating Temperature:** -10° – 70° C (14° – 158° F)
- **Storage Temperature:** -20° – 80° C (-4° – 176° F)
- **Humidity (Operating):** 20 – 95% RH (non-condensing)
- **Humidity (Storage):** 0 – 95% RH (non-condensing)

