

## ADAM-6015 7-channel RTD Input Module

The ADAM-6015 is a 16-bit, 7-channel RTD input module that provides programmable input ranges on all channels. It accepts Various RTD inputs (PT100, PT1000, Balco 500 & Ni) and provides data to the host computer in engineering units (°C). In order to satisfy various temperature requirements in one module, each analog channel is allowed to configure an individual range for several applications.

### ADAM-6015

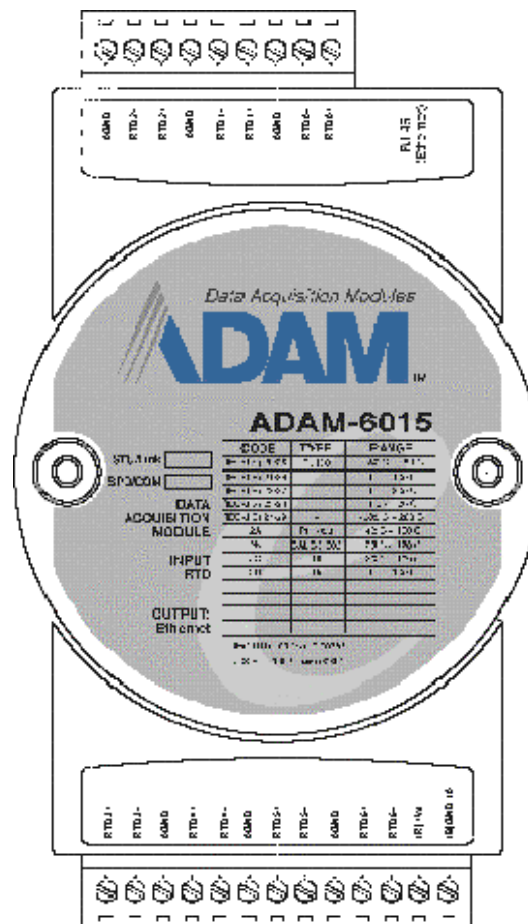


Figure 5-1: ADAM-6015 7-channel RTD Input Module

## ADAM-6015 Specification

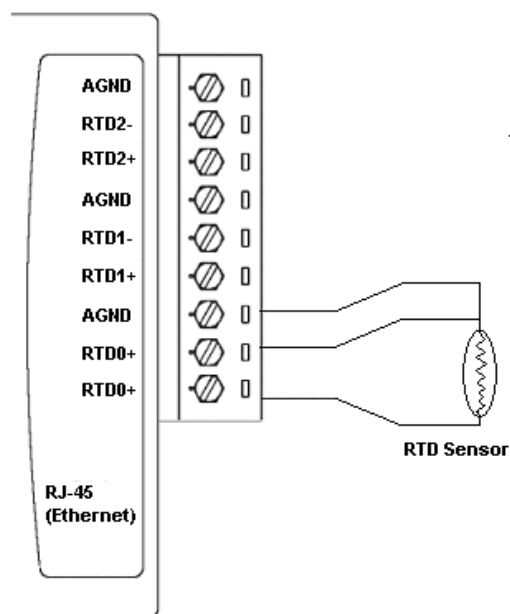
### Analog Input:

- **Effective resolution:** 16-bit
- **Channels:** 7
- **Input type:** PT100, PT1000, Balco 500 & Ni
- **Input range:** PT100
  - 50 ~ 150°C
  - 0 ~ 100°C
  - 0 ~ 200°C

0 ~ 400°C  
 -200 ~ 200°C  
 PT1000  
 -40 ~ 160°C  
 Balco 500  
 -30 ~ 120°C  
 Ni  
 -80 ~ 100°C  
 0 ~ 100°C

- **Isolation voltage:** 2000 V<sub>DC</sub>
- **Sampling rate:** 12 samples/sec.
- **Input impedance:** 10 W
- **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**
- **Power requirements:** Unregulated +10 ~ +30 VDC
- **Power consumption:** 2 W

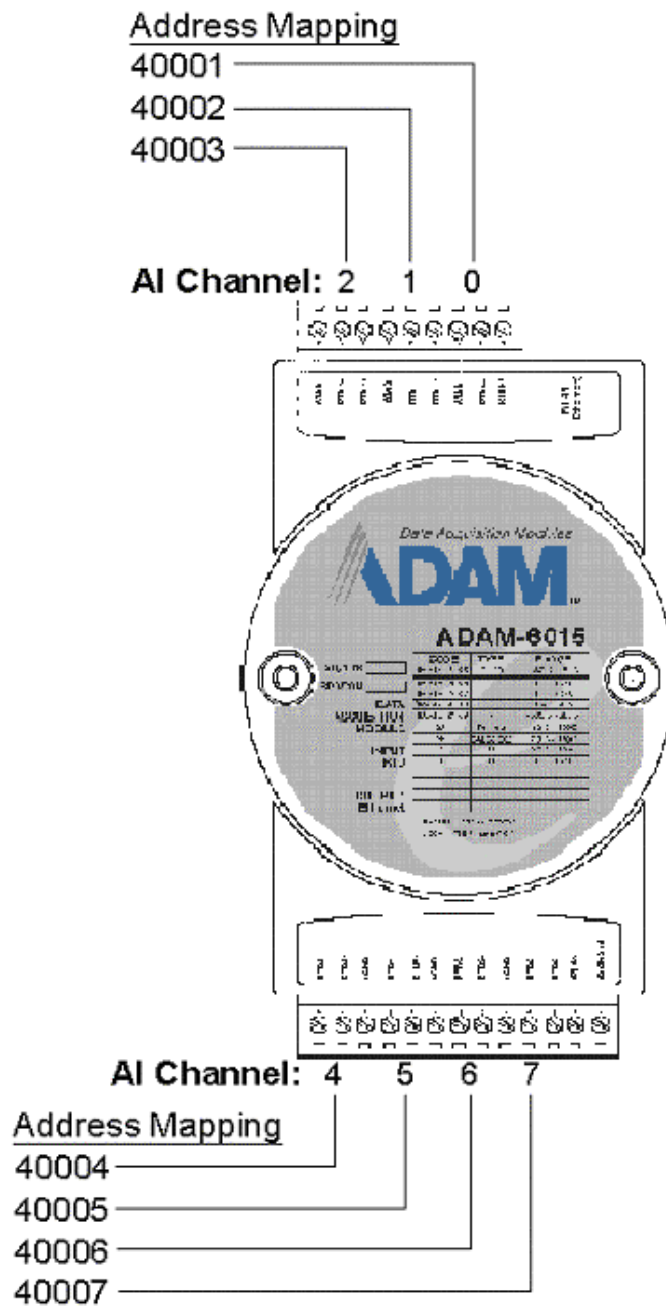
## Application Wiring



**Figure 5-2:** ADAM-6015 RTD Input Wiring

## Assigning addresses for the ADAM-6015 Modules

Based on the Modbus/TCP standard, the addresses of the I/O channels in ADAM-6000 modules you place in the system are defined by a simple rule. Please refer to Figures 5-3 to map the I/O address.



**Figure 5-3: ADAM-6015 I/O Address Mapping**