

DAM6013

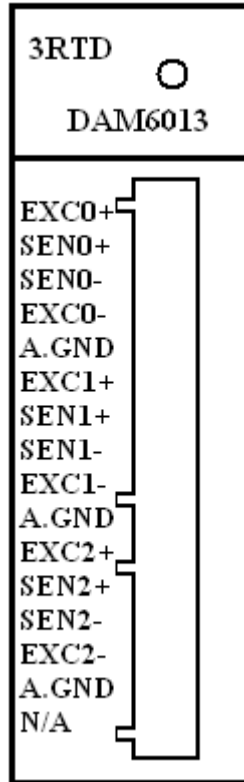
User's Manual



Beijing ART Technology Development Co., Ltd.

DAM6013

◆ Terminal Distribution



◆ Feature

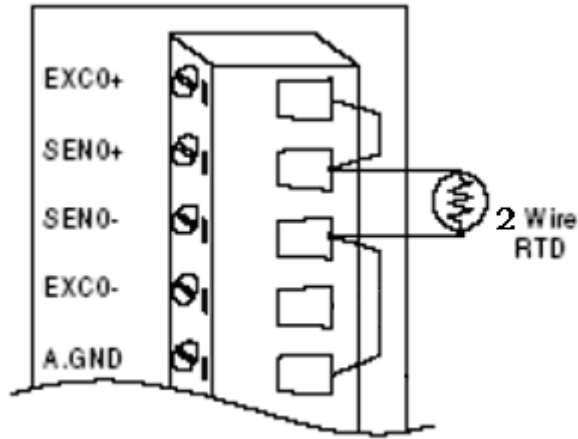
3 channels RTD Input Module

- 16-bit resolution
- 3 RTD inputs
- Can be set to PT100, Cu50 or Cu100 RTD input by software
- 3000V DC isolation
- Input Connections: 2-wire, 3- wire or 4-wire
- RTD type and temperature range IEC RTD 100

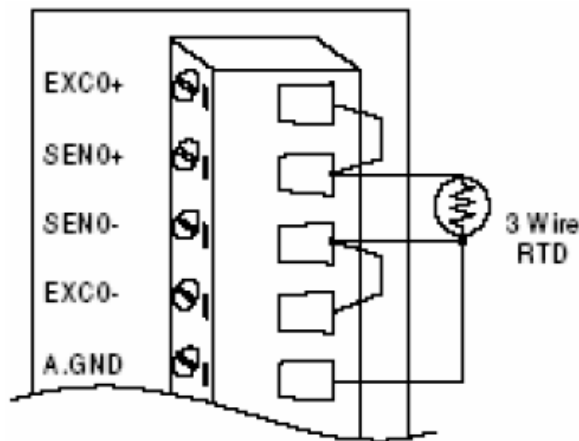
Pt100(385)	-200°C~600°C
	-100°C~100°C
	0°C~100°C
	0°C~200°C
	0°C~600°C
Cu50	-50°C~150°C
Cu100	-50°C~150°C
- Sampling Rate: 10Hz
- Input Impedance: 2MΩ
- Accuracy: ±0.1%
- Zero Drift: 0.5uV/°C
- Full-Scale Drift: 1.0uV/°C

- CMR @ 50/60Hz: 100dB
- NMR @ 50/60Hz: 100dB
- Power Consumption: 1.2W (+5V power supply)

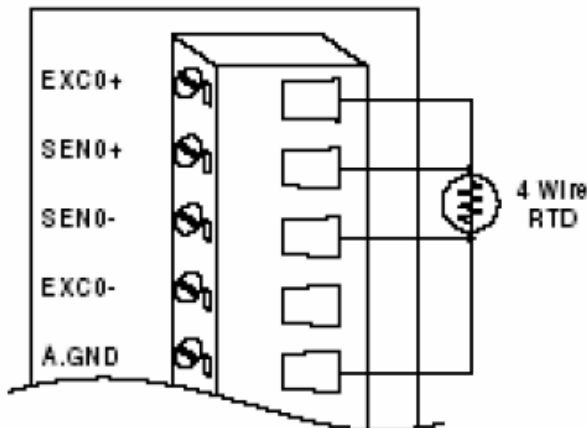
◆ Wiring



2-wire RTD connection mode



3-wire RTD connection mode



4-wire RTD connection mode

◆ Code Configuration Table

Analog input range code table

Signal type	Range	Code
Pt100(385)	-200°C~600°C	20
	-100°C~100°C	21
	0°C~100°C	22
	0°C~200°C	23
	0°C~600°C	24
Cu50	-50°C~150°C	40
Cu100	-50°C~150°C	41