

# Sixnet REMOTETRAK™

Select RM-8INS when you need to read thermocouples, or you need isolated 16 bit inputs for high accuracy, or to connect to floating 4-20mA inputs.

## PRODUCT HIGHLIGHTS

- 16 bit A/D converter for extreme accuracy
- Differential inputs minimize noise and ground loops
- Software selectable ranges – mix inputs on module
- Linearizes and compensates thermocouple readings
- Upscale/downscale thermocouple burnout detection

## PRODUCT HIGHLIGHTS

- 8 channels
- Lowest voltage range +/- 0.062 Volts
- Maximum voltage range +/- 10 Volts
- Auto-polarity current range 0-20 mA and 4-20 mA
- Thermocouple types (see note 1) J,K,E,R,T,B,C,N,S
- A/D resolution 16 bits
- Full scale accuracy (@ 20 °C) +/- 0.02%
- Input span and offset adjustability +/- 25%
- Span and offset temp. coefficient +/- 30 ppm per °C typical
- mV and voltage input impedance 200K Ohms
- CMRR (at 50/60 Hz) 140 db
- DMRR (at 50/60 Hz) 66 db
- Common mode input voltage:  
Between two input terminals +/- 25 VDC  
Between inputs and ground 1200 Volts
- No damage input voltage +/- 50 VDC
- Fastest scan rate (all 8 channels) 100mS\*\*(see notes)

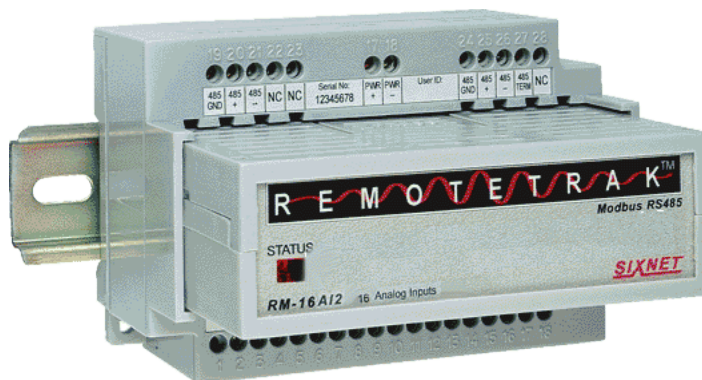
## ENVIRONMENTAL

- RS485 isolation 1200 Volts RMS 1 minute
- Required supply voltage 10-30 VDC (0.5 watt typical)
- Operating temperature range -30 to 70° C
- Storage temperature range -40 to 85° C
- Humidity (non-condensing) 5 to 95%
- Flammability (module plastic) UL 94V-0 materials
- Electrical safety UL 508, CSA C22.2/14; EN61010-1 (IEC1010), CE
- EMI emissions FCC part 15, ICES-003, Class A; EN55022, CE
- EMC immunity EN50082-1 (IEC801-2, 3, 4) CE
- Vibration IEC68-2-6
- Hazardous locations UL 1604, CSA C22.2/213-

Note1: Thermocouple inputs are cold junction compensated and reported as °F, °C, 0.1°F or 0.1 °C.

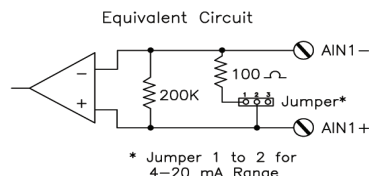
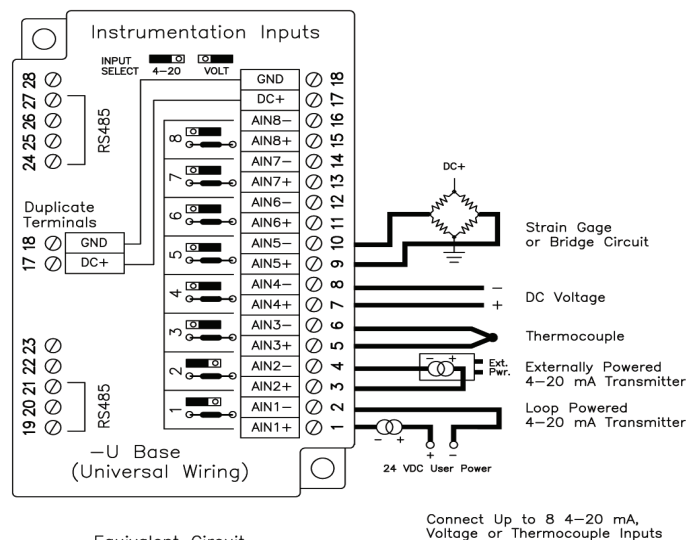
All specifications are subject to change. Consult factory for latest info.

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M1987, (Class I, Div 2, Groups A, B, C, D), EN50021 (zone 2)

- Marine/offshore tested and/or verified to meet various marine and maritime standards



## ORDERING INFORMATION

- RM-8INS-U - 8 channels with field wiring base
- RM-8INS-M - Replacement module only