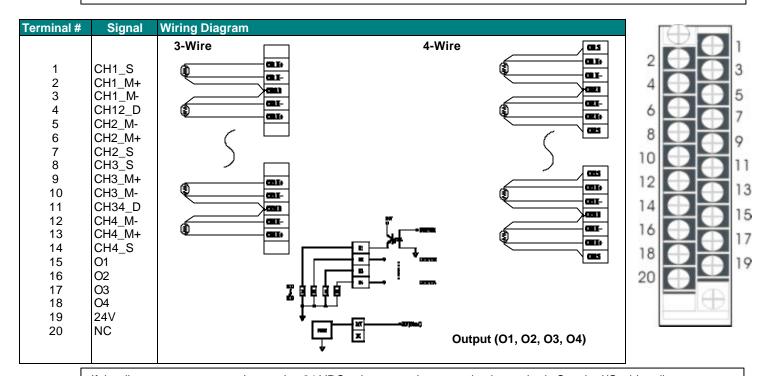
RTD10 - RTD 5/10/2010



Specifications	
Number of channels	4 differential
Input sensor types	PT-100 (100 $\Omega$ at 0°C, 0.00385 $\Omega$ per $\Delta$ C, Ni-120 (120 $\Omega$ at 0°C)
Resolution	15 bit
Accuracy	±0.1% FSR
Span drift	+/- 30 PPM/°C
Step response (5~95%)	18 ms/channel
Setup time	20 ms/channel
Settle time	300 ms/channel
Conversion method	Sigma-Delta
Range	PT-100: -150 ~ 600°C Ni-120: -50 ~ 300°C
Channel Isolation	2.5 KV optical isolation between input/output signal and CPU, channels not individually isolated
Internal current consumption	400 mA
3/4 wire selection	DIP Switches
Weight	380 g
Features Features	
<ul> <li>\$ (4) Optical isolation for input signal</li> <li>\$ (4) Optically isolated NPN/Sink transistor outputs for fast I/O response</li> </ul>	

\* The design of the module involves a software filter and each channel acquires 20 samples of data in one scan.



If the discrete outputs are to be used, a 24 VDC voltage supply connection is required. See the I/O wiring diagram.

