

## SIGNEXT™-RR RTD Signal Conditioner



- 3 wire Pt100 input
- DIP switch configurable output
- 8 temperature ranges available
- plug and socket connectors
- 3 port isolation

The SIGNEXT™-RR module converts a 3 wire Pt100 RTD signal to a standard analog value such as 0-10V or 4-20mA. Modules are available for 8 different temperature ranges.


This module provides 3 port isolation meaning the input, output and power are all isolated from each other so no ground loops will be created.

There are 6 DIP switch selectable output ranges - 3 voltage and 3 current. The module can be configured while the power is applied. Span and zero calibration potentiometers are accessible on the front of the module. The default setting is a 4-20mA output.

### Ordering information:

Temperature range	catalog #
-100 to +100°C	<b>330055-A</b>
-50 to +50°C	<b>330055-B</b>
-50 to +100°C	<b>330055-C</b>
-50 to +200°C	<b>330055-D</b>
0 to +50°C	<b>330055-E</b>
0 to +100°C	<b>330055-F</b>
0 to +200°C	<b>330055-G</b>
0 to +400°C	<b>330055-H</b>

SPECIFICATIONS

SIGNEXT™-RR	
input:	3 wire Pt100 RTD
output Range / load impedance:	0-5V, $\geq 1K\Omega$ 0-10mA / 0-1.5K $\Omega$ 1-5V, $\geq 1K\Omega$ 0-20mA / 0-750 $\Omega$ 0-10V, $\geq 1K\Omega$ 4-20mA / 0-750 $\Omega$
supply:	voltage      20-30Vdc current $\approx 170mA$ @24Vdc
accuracy:	$\pm 0.15\%$
temp. co-eff.:	$\leq 0.015\%/^{\circ}C$
output:	$\leq .5\%$ peak
response time:	$\leq 400ms$
isolation:	input-output 1.8KV for 1 minute input-power 1.8KV for 1 minute output-power 1.8KV for 1 minute
storage temp.:	$-10^{\circ}$ to $+70^{\circ}C$
operating temp.:	$0^{\circ}$ to $+60^{\circ}C$
humidity:	90% non-condensing
dimensions:	22.5 x 99 x 114mm
weight:	$\approx 180g$
approvals:	 LISTED, E256770

