

Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



**Click this icon to try the new
Interactive Catalog.**

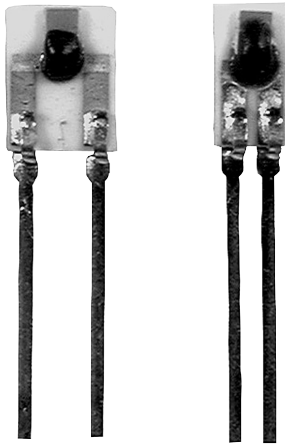
Sensing and Control
Honeywell Inc.
11 West Spring Street
Freeport, Illinois 61032



Temperature Sensors

Platinum RTDs

HEL-775 Series



FEATURES

- Linear resistance vs temperature
- Accurate and Interchangeable
- Excellent stability
- Small size
- Printed circuit mountable
- Ceramic SIP package

TYPICAL APPLICATIONS

- HVAC – room, duct and refrigerant equipment
- Instrument and probe assemblies
- Electronic assemblies – temperature compensation
- Process control – temperature regulation

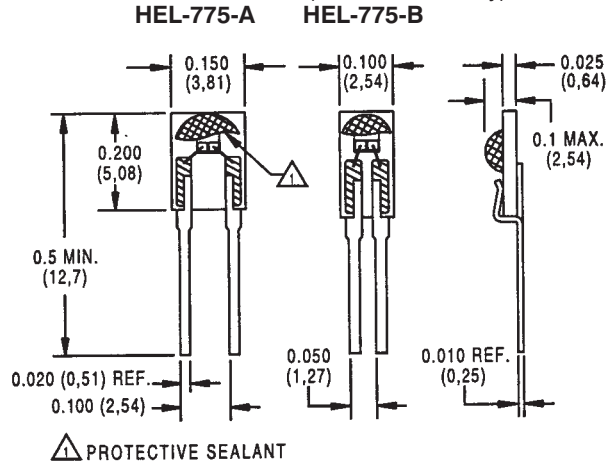
HEL-775 platinum RTDs are designed to measure temperatures from -55° to $+150^{\circ}\text{C}$ (-67° to 302°F) in printed circuit boards, temperature probes, or other lower temperature applications. Solderable leads in 0.050" or 0.100" spacing provide strong connections for wires or printed circuits.

The 1000 Ω , 375 alpha version, provides 10x greater sensitivity and signal-to-noise. The 0.050" lead space models are ideal for probes.

ORDER GUIDE

HEL-775-A	Ceramic SIP pkg. 0.100" lead spacing
HEL-775-B	Ceramic SIP pkg. 0.050" lead spacing
-U	1000 Ω , 0.00375 $\Omega/\Omega/^{\circ}\text{C}$
-T	100 Ω , 0.00385 $\Omega/\Omega/^{\circ}\text{C}$, DIN specification
-0	$\pm 0.2\%$ Resistance Trim (Standard)
-1	$\pm 0.1\%$ Resistance Trim (Optional)

MOUNTING DIMENSIONS (for reference only) mm/in.



CAUTION PRODUCT DAMAGE

The inherent design of this component causes it to be sensitive to electrostatic discharge (ESD). To prevent ESD-induced damage and/or degradation, take normal ESD precautions when handling this product.

Fig. 1: Wheatstone Bridge 2-Wire Interface

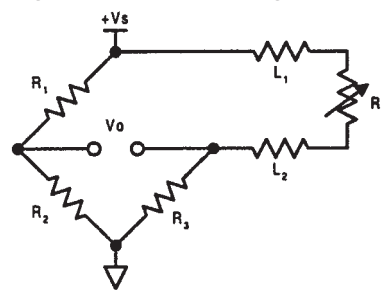


Fig. 2: Linear Output Voltage

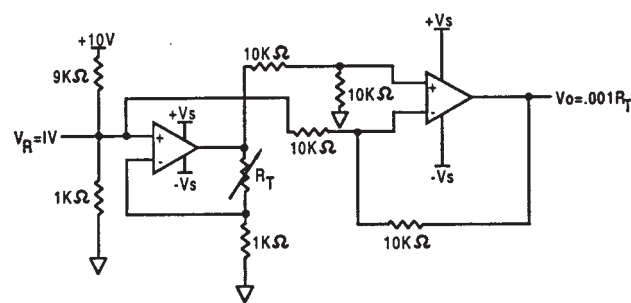
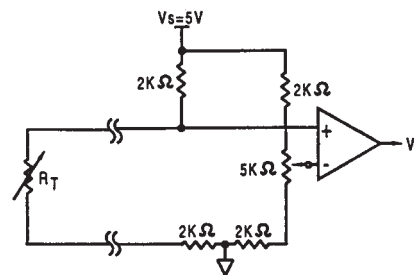


Fig. 3: Adjustable Point (Comparator) Interface



Temperature