



**Head Office**

Ringway Control & Automation  
ABN 47 087 315 179  
4 Lady Penrhyn Dr,  
Unanderra, NSW 2526  
[products@ringway.com.au](mailto:products@ringway.com.au)  
Ph 02 4255 4300 Fax 02 42718990

**Mackay Office**

Ringway Materials Handling  
Unit 10 Woodman Pde,  
Mackay, QLD 4740  
[products@ringway.com.au](mailto:products@ringway.com.au)  
Ph 07 49524001 Fax 07 49522216



## TEMPERATURE

P/N - TEMPTRANS

### RINGWAY TEMPERATURE TRANSDUCER

**DESCRIPTION:**

The Ringway Temptrans is a DIN rail mounted transducer that provides a 4-20mA output signal (for a temperature range of 0 – 150 degrees Celsius) based on the input signal it receives from a field temperature transmitter (Tempsens). Test terminals give access to a precision 100-Ohm resistor in connected in series with the output terminals. The output signal level can be measured with a multimeter connected between the Test terminal (T) and the Out + terminal. The full range of the output signal (4 - 20mA = 0 – 150 degrees) will produce a 0.4V to 2.0V voltage drop across these terminals. A voltage free relay contact output is provided to indicate the failure of an input sensor (Tempsens). The Tempsens will be deemed to be faulty if the input is open circuit, short circuit or if the signal is out of range.

**FEATURES:**

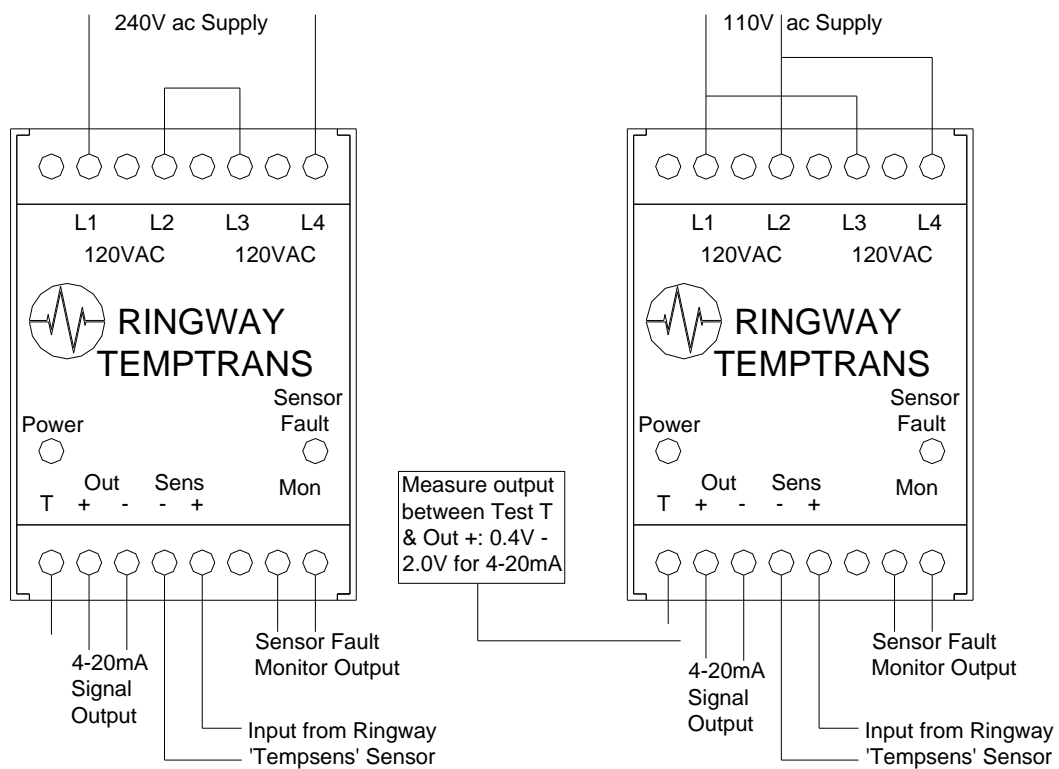
- **Simple, robust and functional.**
- Dual supply – 110 – 240V
- Pre-calibrated for 0 –150 degrees C
- On board test point terminals to measure output
- Relay output to indicate sensor failure

**APPLICATION:**

Ringway has used Speedtrans units to provide accurate speed feedback signals into a controlling PLC in a wide range of installations since 1994. Applications include the accurate measurement of conveyor speed for acceleration control and slip detection and general motion monitoring.

## BRIEF TECHNICAL SPECIFICATIONS:

<b>Power Supply:</b>	110V or 240V ac
<b>Input:</b>	Ringway 'Tempsens' transducer
<b>Temperature Range:</b>	0 – 150 Degrees Celsius
<b>Output:</b>	4 - 20mA = 0 – 150 degrees
<b>Maximum Output Load:</b>	450ohms
<b>Dimensions:</b>	55mm (W), 75mm (H), 110mm (D)



**ALTERNATE CONNECTIONS FOR TEMPTRANS**