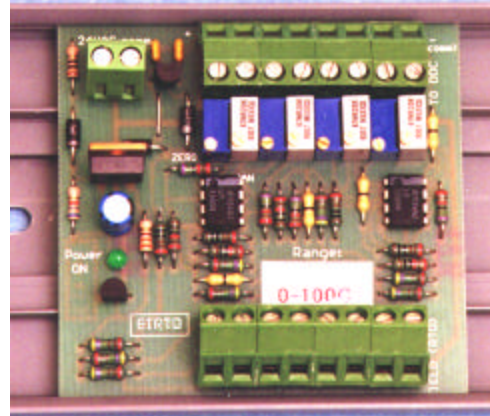

4 CHANNEL RTD INTERFACE

FEATURES:

- ◆ Standard 0-5 VDC Output.
- ◆ Small Size and Easy Installation.
- ◆ Accepts most proprietary RTDs.
- ◆ Low cost, ideal for Energy Management Applications.


APPLICATION:

The ETRTD board is used to interface proprietary RTD sensors (such as Johnson 1000 Ohm, Honeywell 500 Ohm) or 1000 Ohm Platinum RTDs with any generic DDC system that accepts 0-5 VDC signal.

The board offers a money saving alternative in retrofit installations or DDC expansion projects where the existing sensors can be reused with the new system.

PRODUCT DESCRIPTION:

The ETRTD was designed as an inexpensive interface for specific proprietary RTD sensors. This four channel board accepts most commonly used RTDs ($R_0 > 500$ Ohm) and provides a 0-5 VDC output. The output signal is interpreted by the DDC software according to the temperature-to-voltage conversion table provided with the board.

Each channel of the ETRTD includes a precision resistance bridge and zero/span adjustment. Normally, all four channels are calibrated for the same span and the same type of RTD. Custom calibration is also possible.

The standard RTDs accepted by this interface board include: Johnson's 1000 Ohm family of devices, Honeywell 500 Ohm sensor, Balco 1000 Ohm RTD and 1000 Ohm Pt 385 platinum sensors.

The board is equipped with angular connectors for fast and easy wiring. It mounts in a 2.75" wide snap track that is provided with the board.

ORDERING INFORMATION:
ETRTD-x-span*

- A** - Johnson 1000 Ohm sensor (exact type is required)
- B** - Honeywell 500 Ohm sensor
- C** - Platinum Pt385 1000 Ohm sensor
- D** - Balco 1000 Ohm sensor

* contact ELKOR for standard span values and other RTD types.

SPECIFICATIONS:

Power: 24 VAC, 1 VA

Input: Any Resistive Temperature Device (RTD) of known characteristics and $R_0 > 500$ Ohm. See ordering instructions for standard sensors and temp. ranges.

Output: 0-5 VDC for full span, interpreted by DDC software.

Accuracy: 0.5 deg. C. (@100 C span)

Indication: Power Supply - green LED

Dimensions: 3.1 x 2.75 " (80 x 70 mm) , board mounts in TR-2 snap track (provided).