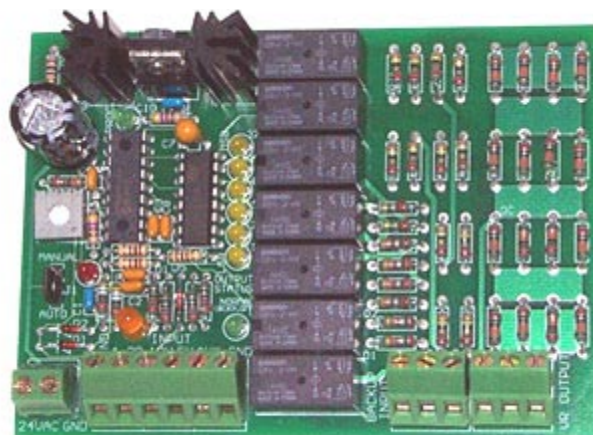


# VOLTAGE TO RESISTANCE TRANSDUCER

- Small size, easy installation
- 5 V, 10 V and 4-20 mA inputs
- Local Analog Override with indication.
- Output Status Indicators (LEDs).
- Backup Controller Option (with remote activation).



## APPLICATION:

The ETR is used to interface any resistance controlled device with a generic control system. The applications may include:

- Electric Actuator Control
- Resistive Sensor Simulation
- Chiller Stage Control

backup controller when the power is lost or a processor malfunction is detected. Remote activation of this feature is also possible by a 10 VDC signal.

The board mounts in a 3.25" wide snap track (provided) and is equipped with high quality angular connectors for fast and easy wiring.

## PRODUCT DESCRIPTION:

The ETR accepts a generic Analog Output signal (voltage or current) and provides variable resistance output as a simulated potentiometer. The board performs 64 step approximation with about 1.5% output resolution. For high output accuracy the ETR's resistive array utilizes a number of 1% precision metal film resistors. Their unique configuration allows for over 4 Watts power dissipation.

The ETR is equipped with a Local Override feature that allows for manual output control. Output status is indicated by 6 LEDs in an easy to follow binary code. The input current loop, the Local Override mode and the processor status are also indicated by LEDs. As an option, the board may be equipped with a 'fail-safe' relay that will transfer the output to a

## TECHNICAL DATA

Power:	24 VAC (or DC), 100 mA
Input:	0-10 VDC, 0-5 VDC, 4-20 mA via dedicated connectors, automatically detected.
Output:	Potentiometric Resistance; 64 Steps Standard 0-135 Ohm @ 4 Watts continuous.
Indication:	LEDs for Output Status (in binary), Processor Status, Local Override, Input Current Loop.
Dimensions:	L= 4.62" (116 mm), W= 3.25" (82 mm); Mounts in TR-3 snap track (provided)

## ORDERING DATA

ETR135 - 135 Ohm, 4 Watts (standard); any other value available as custom order.

ETRxxx/B - board with backup relay

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