Thermistor - Digital Interface to BLR-1

The TDI-1 Series is an interface between a digital dry contact and the analog resistance thermistor input information required by a BLR-1 controller. The TDI-1 provides two fixed analog resistance values to simulate a thermistor heating demand value and a non-heating demand input values to the BLR-1.

Overview

The TDI-1 Series is a printed circuit board consisting of a four screw terminal block, a 24VAC SPDT relay with a fixed 10,000 ohm resister connected on the non-energized contacts to simulate a 77º F thermistor input value to the BLR-1 and a fixed 15,000 ohm resister connected on the energized contacts which simulate a 66º F thermistor input value to a BLR-1. These input values are connected to input terminals 22 and 23 of a BLR-1. The SPTD relay is energized by an external digital dry contact and 24VAC supply voltage. TDI-1E includes 2" x 4" plastic enclosure for protected mounting.

Specifications

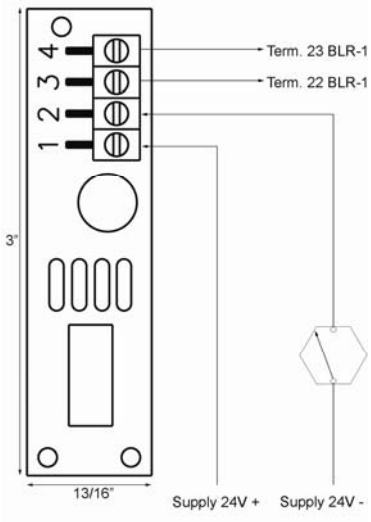
Demand Output	15,000 Ohms @ 66ºF (19ºC)	**Rated Voltage**	24 VAC +/- 10%
Non Demand Output	10,000 Ohms @ 77ºF (25ºC)	**Rated Current**	6.25 mA
Temperature Range	-40 to 160º F (-40 to 70ºC)	**Operating Humidity**	5 to 85% RH non-condensing
Power Consumption	150 mW		

Mounting

The unit should be mounted in close proximity to the BLR-1 considering all local and national electrical code standards for low voltage Class 2 devices.

Dimension and Wiring Information

TDI-1E



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