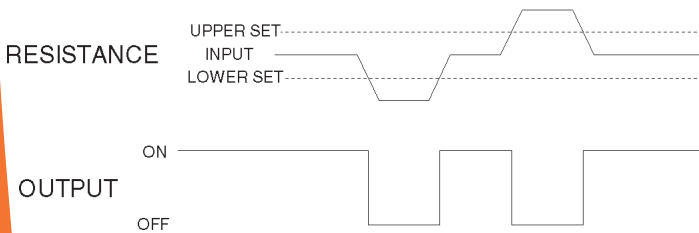




**RESISTANCE
RANGE DETECTOR**

The 1234 is a 'window' type detector and can be used where fail-safe operation is required. Output is operated when sensing probes come in contact with a material which provides a resistance value between the upper and lower set resistances. Output is released when the resistance between the sensing probes is less than the lower set resistance or greater than the upper set resistance. LED indicators show low/good/high conditions. In a typical application the unit could detect a probe shorted to ground(low) or a broken wire to the probe(high).

OPERATION



ORDERING DATA

ORDERING CODE	1234 - 1 - A - B
BASIC MODEL NUMBER	1234
INPUT VOLTAGE	1 120VAC 2 24VAC/DC
SENSING RANGE	A 0Ω - 50k
OUTPUT	B Relay SPDT
OPTIONS (If desired)	OP1 Factory installed 47kΩ upper trip resistor and 3.0kΩ lower trip resistor.

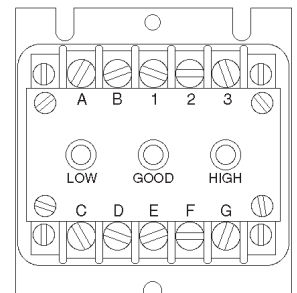
SPECIFICATIONS

INPUT	VOLTAGE: 120VAC, 24VAC/DC
	FREQUENCY: 50/60 Hz
	TOLERANCE (VOLTAGE): ± 10% of nominal
OUTPUT	POWER CONSUMPTION: 10 VA maximum
	TRANSIENT PROTECTION: MOV
RESISTANCE INPUT	TYPE: Electromechanical relay
	RATING: 10A @ 240VAC maximum
	SENSE RANGE: 0Ω to >50k
	UPPER SET POINT: 100Ω to 50k
	LOWER SET POINT: 85Ω to 42k must be <85% of upper point
PHYSICAL	OPEN CIRCUIT VOLTAGE: 13 VDC maximum
	SHORT CIRCUIT CURRENT: 2.0 mA maximum
	HYSTERESIS: Approximately 5%
	OPERATING TEMP: 0° to 70° C (32° to 120°F)
	MOUNTING: Base mount
	TERMINATION: Terminal blocks on face of timer
	HOUSING: Metal

WIRING

- A-B Voltage input (constant)
- C-D Sensing Input (energizes output)
- E-F Lower trip set resistance
- G-F Upper trip set resistance
- 1-2 N.O.
- 2-3 N.C.

Wiring Terminal Location



Caution: Never apply voltage to terminals C-D-E-F-G

DIMENSIONS Inches (millimeters)

