



**RESISTIVE
SENSITIVE SWITCH**

The **Resistive Sensitive Switch** is a completely solid state industrial control device whose output changes state when the resistance impressed on its input terminals matches a predetermined value. This is programmed by installing a reference resistance across input programming pins. The unit is also programmable to cause the output to turn on when input resistance is greater than the reference resistance, or to turn on when the input resistance is less than the reference resistance. Designed for service in rugged industrial control environments, it is a plug-in device which can be applied in any control scheme where a control action is required, based upon a change in electrical resistance; such as RTD, photo cells, liquid level contact, tool to work piece contact, etc. Input terminal open circuit voltage and short circuit current are limited to low levels for safety reasons.

ORDERING DATA

ORDERING CODE 1230 - 1 - D - C

BASIC MODEL NUMBER 1230

INPUT VOLTAGE 1 120VAC

TYPE D Resistive Sensitive Switch
(input sensitivity 1.0kΩ to 1.0MΩ)

OUTPUT C Solid State(AC) 1 Amp, 120VAC

ACCESSORIES See accessory section for details
8 pin socket RP-302
8 pin socket(DIN rail mount) RP-320

SPECIFICATIONS

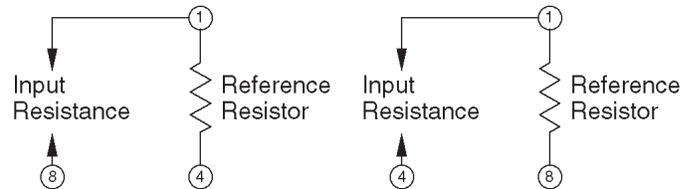
INPUT	VOLTAGE: 90 to 140VAC
	FREQUENCY: 50/60 Hz
	POWER CONSUMPTION: 20 mA
TRANSIENT PROTECTION: Transformer	
OUTPUT	TYPE: N.O. Triac (optically isolated, 1500 Vrms)
	RATING: 1.0A rms max continuous 15A inrush (16 msec @ 60Hz)
	MAX SWITCHING RATE: 30/second
RESISTANCE INPUT	SENSITIVITY: 1.0kΩ to 1.0MΩ user programmable
	OPEN CIRCUIT VOLTAGE: < 7 volts maximum
	SHORT CIRCUIT CURRENT: < 5 mA maximum
	HYSTERESIS: Approximately 30%
PHYSICAL	OPERATING TEMP: -25° to +70°C (-13° to 160°F)
	MOUNTING: Plug-in
	TERMINATION: 8 pin socket
	HOUSING: Plastic

WIRING

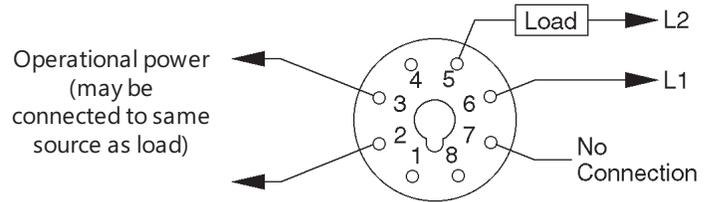
Programming Connections

Output energizes when input resistance is lower than reference resistance set point

Output energizes when input resistance is higher than reference resistance set point



Power Wiring



DIMENSIONS Inches (millimeters)

