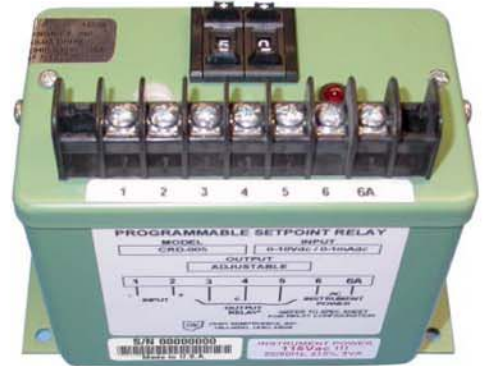


## PROGRAMMABLE AS A PERCENT OF RANGE

### FEATURES

- Programmable settings for either current or voltage input, threshold levels, and over- or under-relay alarms.
- Internal DIP-switches may be set for either 0-1mAdc or 0-10Vdc, and may be set for under-alarm or over-alarm relay operation.
- Factory setting "0-1mA and over-range alarm mode"
- Lid-mounted two-digit numerical push-button switch calibrated as percent of full scale with a threshold range of 1-99%.
- Red LED lamp lights to indicate when threshold level has been obtained.



INPUT RANGE	INTERNAL SWITCH POSITIONS							
	1	2	3	4	5	6	7	8
	UNDER RANGE*							
0-1mA <sub>dc</sub>	ON	ON			ON	ON		
0-10V <sub>dc</sub>	ON	ON				ON		
	OVER RANGE**							
0-1mA <sub>dc</sub> *			ON	ON	ON	ON		
0-10V <sub>dc</sub>			ON	ON		ON		

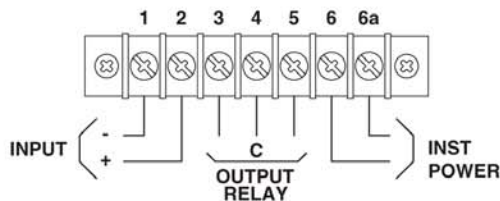
Highlighted area indicates Factory Setting. Unit is set at factory for the 0-1mA input and in the over-range alarm mode.

\*The output relay will energize when instrument power is applied and the current is above the set point threshold. It will remain in a "Fail Safe" mode until either the input current drops below the set point threshold or instrument power is removed.

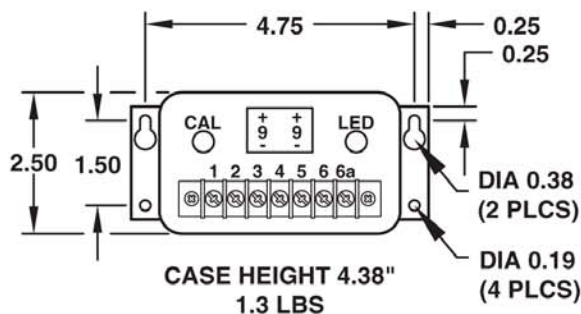
MODE OF OPERATION	OUTPUT TERMINAL CONNECTIONS & LED OPERATION							
	UNDER RANGE*				OVER RANGE**			
	3	4	5	LED	3	4	5	LED
INST. POWER OFF	N/C	Com	N/O	OFF	N/C	Com	N/O	OFF
INST. POWER ON	N/C	Com	N/O	ON	N/O	Com	N/C	OFF
INST. PWR. ON INPUT BELOW SET POINT	N/C	Com	N/O	ON	N/O	Com	N/C	OFF
INST. PWR. ON INPUT ABOVE SET POINT	N/O	Com	N/C	OFF	N/C	Com	N/O	ON

\*\* The output relay will energize when instrument power is applied and will remain in a "Fail Safe" mode until either the instrument power is removed or the input exceeds the set point threshold level.

### CONNECTION DIAGRAM



### CASE DIMENSIONS



All dimensions in inches

### SPECIFICATIONS

#### INPUT

Current	1mA <sub>dc</sub>
Current Burden	1kΩ
Voltage	0-10V <sub>dc</sub>
Voltage Burden	10kΩ
Set Point (Digital)	1-99%, 1% minimum

#### DIELECTRIC TEST

Input to Output and Case ..... 1500Vac

INSTRUMENT POWER ..... 85-135Vac, 50-400Hz, 2.5VA

#### OUTPUT

Relay	Form C, SPDT
Rating	120Vac, 3A
Response Time	10ms

#### ACCURACY

Accuracy	Setpoint ±2 digits
Resolution	±1 Digit
Hysteresis	±1 Digit
Temperature Effect (-10°C to +60°C)	±0.1%/°C

#### MECHANICAL

Mechanical Operations ..... 1 Million