

# 1480

## Panel Process Indicator

Panel installation 1/8 DIN format



### Description

The 1480 is a Universal Pressure or Temperature Input Indicator with single or dual configurable alarms, as well as optional linear retransmission of displayed Process Variable. Ideal for use in Extrusion applications.

### Features

- Universal Input (Strain Gauge, Voltage, Current, Thermocouple or RTD)
- 2 Alarm Outputs
- Retransmission
- Min/max Value Hold

Performance Characteristics	
<b>Output Configuration:</b>	1 or 2 relay outputs, with optional linear retransmission
<b>Alarms:</b>	2 process high / low adjustable hysteresis
<b>Viewable Values:</b>	Process variable, maximum value, minimum value
<b>Legends:</b>	C°/F° LED
<b>Human Interface:</b>	3 button operation, 4 digit 13mm high display red, (color change on alarm), plus 1 set-up, 2 alarm indicator
<b>Input Thermocouple:</b>	J, K, C, R, S, T, B, L, N
<b>RTD:</b>	3 Wire PT100, 50Ω per lead maximum (balanced)
<b>Strain Gauge:</b>	350 Ohm Strain Gauge
<b>Bridge Connection:</b>	4 or 6 wire (6 to use internal shunt cal switch)
<b>Bridge Excitation:</b>	10V ±7%
<b>Bridge Sensitivity:</b>	1.4 to 4 mV/V
<b>Input Signal Span:</b>	-25 to 125% full scale (approximately -10mV to +50mV) Calibration switch between CAL2 & CAL1 terminals
<b>Shunt Value:</b>	From 40 to 100%
<b>Display Scalable:</b>	-1999 to 99999, with adjustable decimal point
<b>DC Linear:</b>	0 to 20mA, 4 to 20mA, 0 to 50mV, 10 to 50mV, 0 to 5V, 1 to 5V, 0 to 10V, 2 to 10V
<b>Input Impedance</b>	>10MΩ for Thermocouple and mV ranges, 47KΩ for V ranges and 5Ω for mA ranges
<b>Accuracy:</b>	±0.1% of input range ±1LSD (T/C CJC better than 1°C)
<b>Sampling:</b>	4 per second, 14 bit resolution approximately (250ms sample time)
<b>Sensor Break Detection:</b>	<2 seconds (except zero based DC ranges), high alarms activate for T/C, RTD and mV ranges, low alarms activate for mA or V ranges
<b>Strain Gauge Sensor:</b>	Set to either high or low alarm

Features	
<b>Output Configuration:</b>	1 or 2 relay outputs, with optional linear retransmission
<b>Alarms:</b>	2 process high / low with adjustable hysteresis
<b>Viewable Values:</b>	Process variable, maximum value, minimum value
<b>Human Interface:</b>	3 button operation, 5 digit 13mm high display red, 2 alarm indicator



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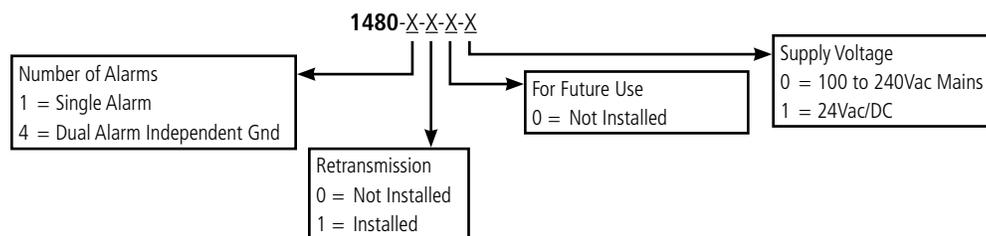
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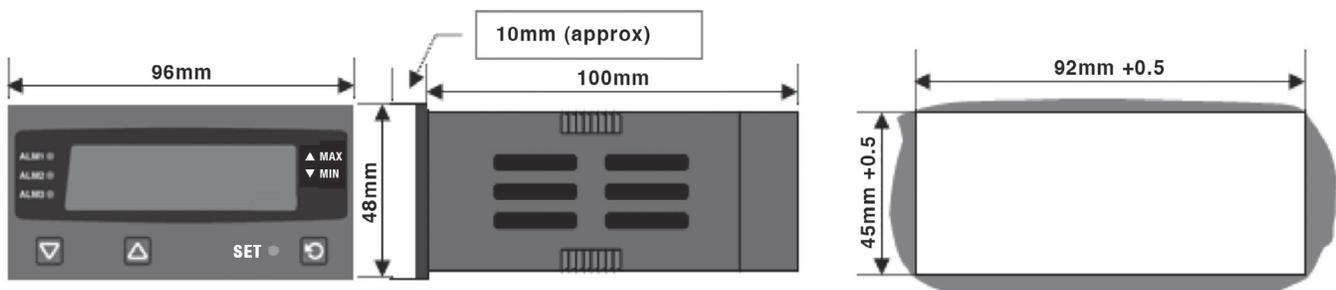
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Outputs & Options	
<b>Alarm Relays:</b>	Contacts Single Relay SPDT 2 Amp resistive at 240V AC, >500,000 operations. Latching or non-latching. Duel Relay SPST 2 Amp resistive at 240V >200,000 operations. Reinforced safety isolation from inputs and other outputs.
DC Linear Retrainsmit	
<b>Outputs:</b>	0 to 20mA, 4 to 20mA into 500Ω max, 0 to 10V, 2 to 10V, 0 to 5V into 500Ω min. Accuracy ±0.25% at 250Ω (degrades linearly to 0.5% for increasing burden to specified limits)
<b>Logic Input:</b>	External reset of latched relay, stored alarm 1 elapsed time, stored min/max PV values or initiate tare function. Action occurs on high (3 to 5VDC) to low <0.8VDC, or Open to Closed transition
Operating & Environmental	
<b>Temperature &amp; RH:</b>	0 to 55°C (-20 to 80°C storage), 20 to 95% RH non-condensing
<b>Power Supply:</b>	110 to 240V ±10% (90 to 264V) 50/60Hz 7.5VA (optional 20 to 48V AC 7.5VA/22 to 65V DC 5 watts)
<b>Front Panel Protection Standards:</b>	IEC IP66 (Behind panel protection is IP20) CE. Pollution Degree 2, Installation Category II

## Ordering Guide



## Dimensions



# Wiring Label/Rear Terminals

