1480 1/8 DIN Panel Indicator

Features

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

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.

Specifications

PERFORMANCE CHARACTERISTICS

Output Configuration	1 or 2 relay outputs, with optional linear retransmission
Alarms	2 process high / low with adjustable hysteresis
Viewable Values	Process variable, maximum value, minimum value
Legends	°C/°F LED
Human Interface	3 button operation, 4 digit 13mm high display red, green or red/green (color change on alarm), plus 1 set-up, 2 alarm indicator
Input Thermocouple	J, K, C, R, S, T, B, L, N
RTD	3 Wire PT100, 50Ω per lead maximum (balanced)
Strain Gauge	350 Ohm Strain Gage
Bridge Connection:	4 or 6 wire (6 to use internal shunt cal switch)
Bridge Excitation:	10 V +/- 7%
Bridge Sensitivity:	1.4 - 4 mV/V
Input Signal Span:	- 25% to +125% of full scale (approximately -10 mV to +50 mV) Calibration switch between CAL2 & CAL1 terminals
Shunt Value:	From 40% to 100%
Display Scaleable	1999 to 9999, with adjustable decimal point
DC Linear	0 to 20mA, 4 to 20mA, 0-50mV, 10-50mV, 0 to 5V, 1 to 5V, 0 to 10V, 2 to 10V Note: 24V external power supply required
Input Impedance	>10MΩ for thermocouple and mV ranges, 47KΩ for V ranges and 5Ω for mA ranges
Accuracy	±0.1% of input range ±1 LSD (T/C CJC better than 1°C)
Sampling	4 per second, 14 bit resolution approximately (250ms sample time)

CE

PERFORMANCE CHARACTERISTICS (continued)

Sensor Break Detection	<2 seconds (except zero based DC ranges), high alarms activate for T/C RTD, Strain Gauge and mV ranges, low alarms activate for mA or V ranges

OUTPUTS & OPTIONS

Alarm Relays	Contacts Single Relay SPDT 2 Amp resistive at 240V AC, >500,000 operations. Latching or non-latching. Dual Relay SPST 2 Amp resistive at 240V >200,000 operations. Reinforced safety isolation from inputs and other outputs

DC LINEAR RETRANSMIT

Outputs	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)
Logic Input	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

Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Power Supply	85 to 264V 50/60Hz 7.5VA (optional 20 to 48V AC 7.5VA/22 to 65V DC 5 watts)
Front Panel Protection	IEC IP66 (Behind panel protection is IP20)
Standards	CE. Pollution Degree 2, Installation Category II

Ordering Guide

1480-X-X-X-X

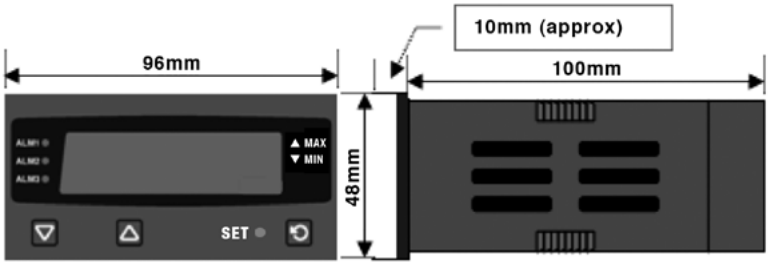
Number of Alarms	
Single Alarm	1
Dual Alarm Independent Ground	4

Retransmission	
Not Installed	0
Installed	1

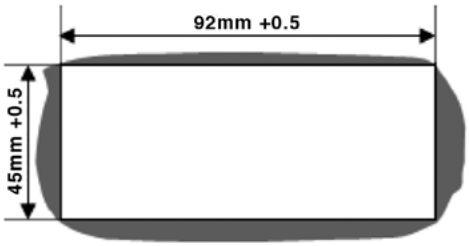
For Future Use	
Not Installed	0

Supply Voltage	
85-264V AC	0
24V AC/DC	1

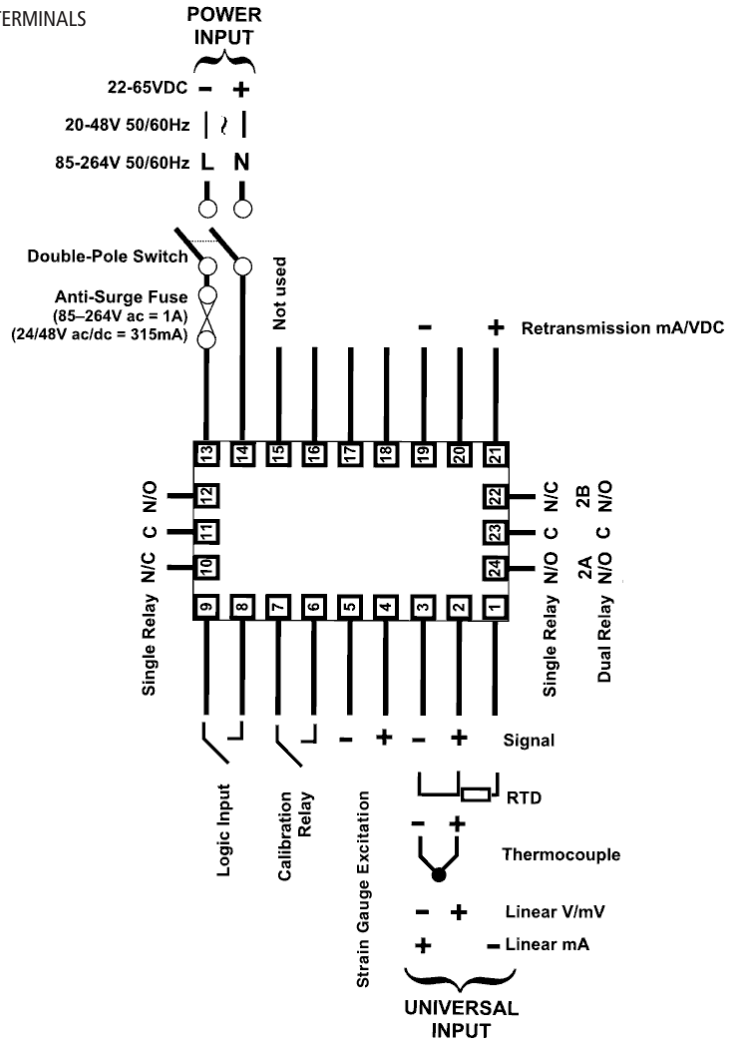
DIMENSIONS



CUTOUT



WIRING LABEL/REAR TERMINALS



All dimensions are inches (mm) unless otherwise specified.

Refer to www.Dynisco.com for access to Instruction Manual and other support documentation.