Dynisco 1480 1/8 DIN Panel Indicator

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

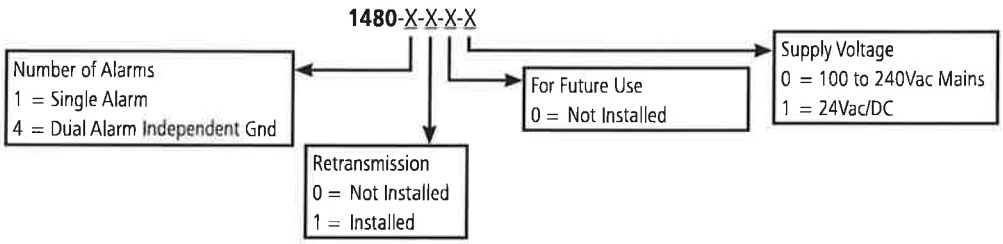
- Universal Input (Strain Gauge, Voltage, Current, Thermocouple or RTD)
- 2 Alarm Outputs
- Retransmission
- Min/max Value Hold

Features	
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
Human Interface:	3 button operation, 5 digit 13mm high display red, 2 alarm indicator

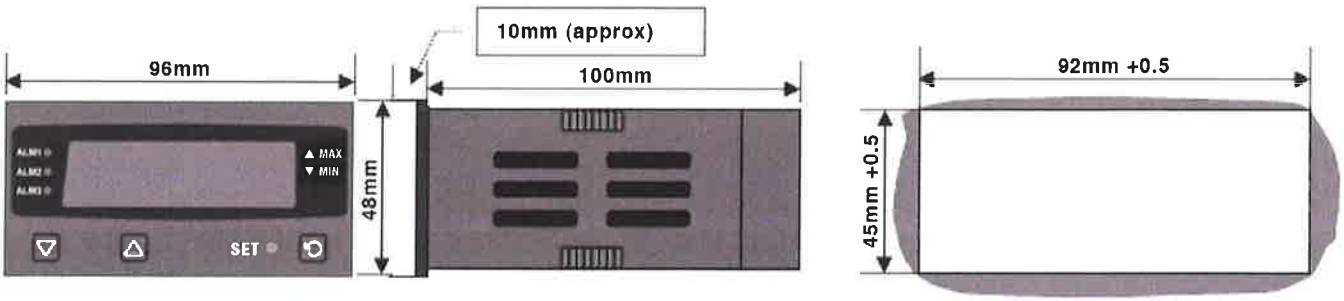
Performance Characteristics	
Output Configuration:	1 or 2 relay outputs, with optional linear retransmission
Alarms:	2 process high / low adjustable hysteresis
Viewable Values:	Process variable, maximum value, minimum value
Legends:	C°/F° LED
Human Interface:	3 button operation, 4 digit 13mm high display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

Outputs & Options	
Alarm Relays:	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	
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:	110 to 240V ±10% (90 to 264V) 50/60Hz 7.5VA (optional 20 to 48V AC 7.5VA/22 to 65V DC 5 watts)
Front Panel Protection Standards:	IEC IP66 (Behind panel protection is IP20) CE. Pollution Degree 2, Installation Category II

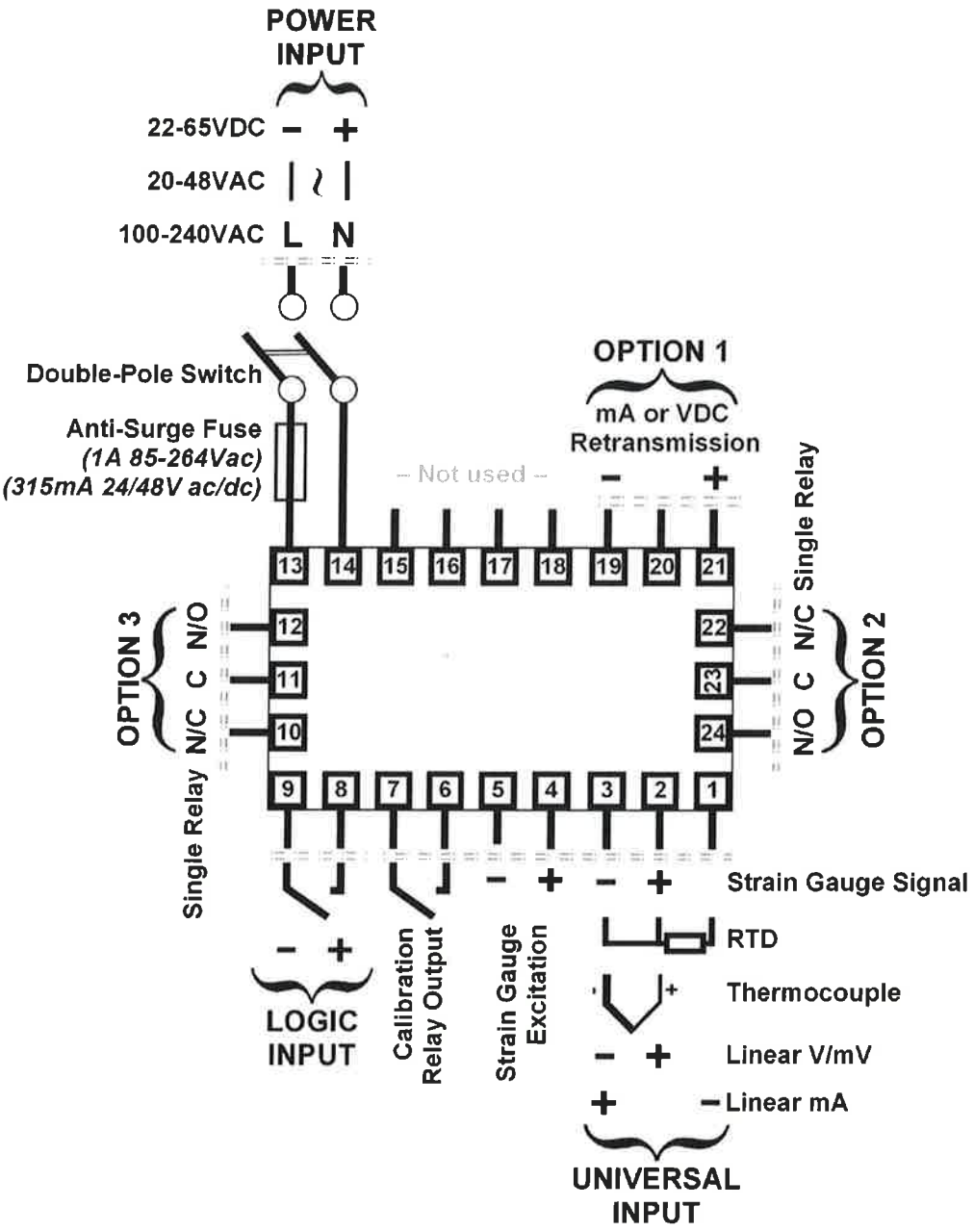
Ordering Guide



Dimensions



Wiring Label/Rear Terminals



All dimensions are in inches (millimeters).

Refer to www.dynisco.com for access to Operator Manual and other support documentation.
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