

# 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

<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>Legends</b>	°C/°F LED
<b>Human Interface</b>	3 button operation, 4 digit 13mm high display red, green or red/green (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 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
<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 ±1 LSD (T/C CJC better than 1°C)
<b>Sampling</b>	4 per second, 14 bit resolution approximately (250ms sample time)

### 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

<b>Temperature &amp; RH</b>	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
<b>Power Supply</b>	85 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



[www.Dynisco.com](http://www.Dynisco.com)

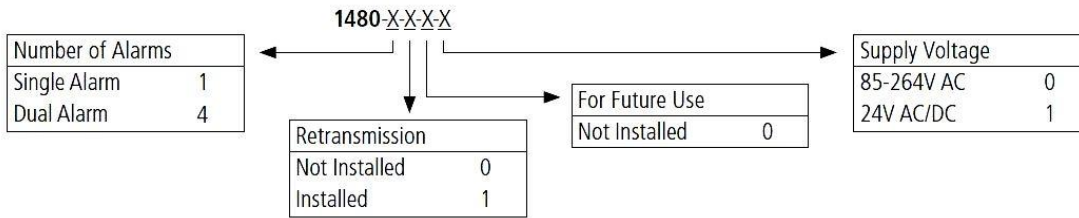
**Dynisco**  
38 Forge Parkway  
Franklin, MA 02038  
USA

Hotline 1-800-DYNISCO  
Phone +1-508-541-9400  
Fax +1-508-541-6206  
Email [infoinst@Dynisco.com](mailto:infoinst@Dynisco.com)

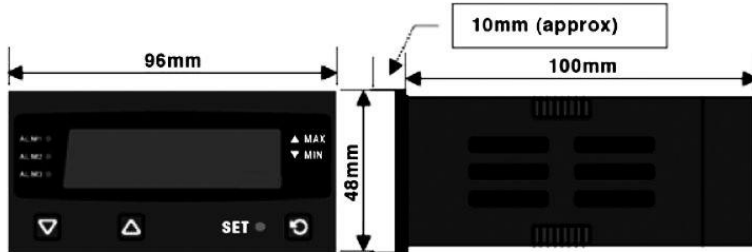
**Dynisco Europe GmbH**  
Pfaffenstr. 21  
74078 Heilbronn  
Germany

Phone +49-7131-297-0  
Fax +49-7131-2326-0  
Email [dyniscoeurope@Dynisco.com](mailto:dyniscoeurope@Dynisco.com)

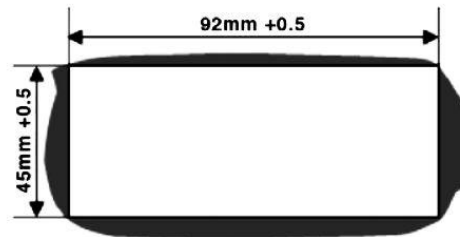
## Ordering Guide



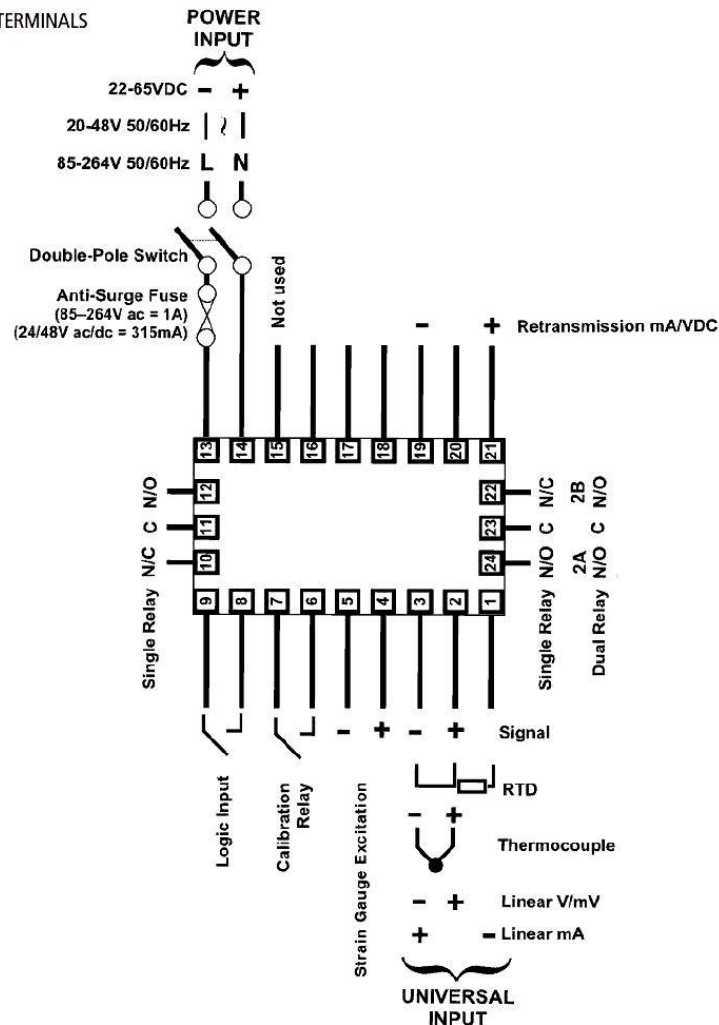
### DIMENSIONS



### CUTOUT



### WIRING LABEL/REAR TERMINALS



All dimensions are inches (mm) unless otherwise specified.  
 ©2011. Dynisco reserves the right to make changes without notice.  
 Refer to [www.Dynisco.com](http://www.Dynisco.com) for access to Instruction Manual and other support documentation.