
# Dwyer TID Series Temperature-Process Indicator Instruction Manual

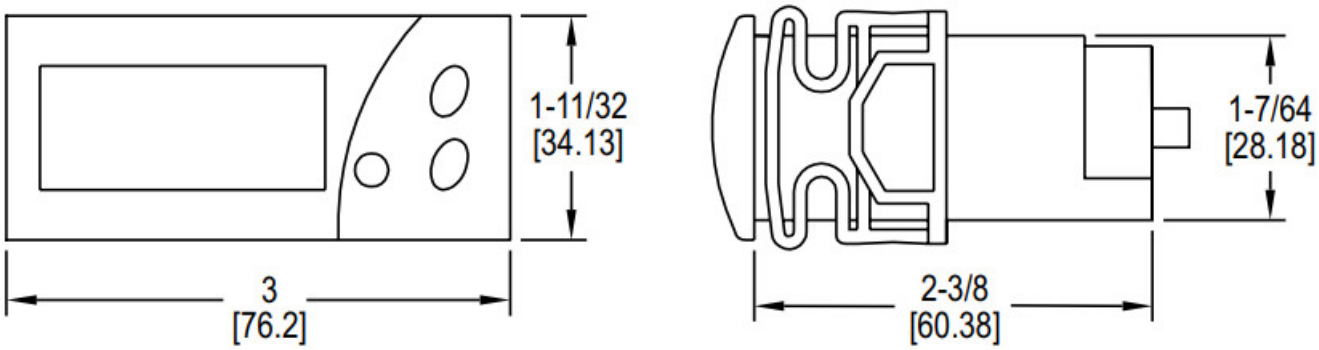


**TID Series Temperature-Process Indicator Instruction Manual**

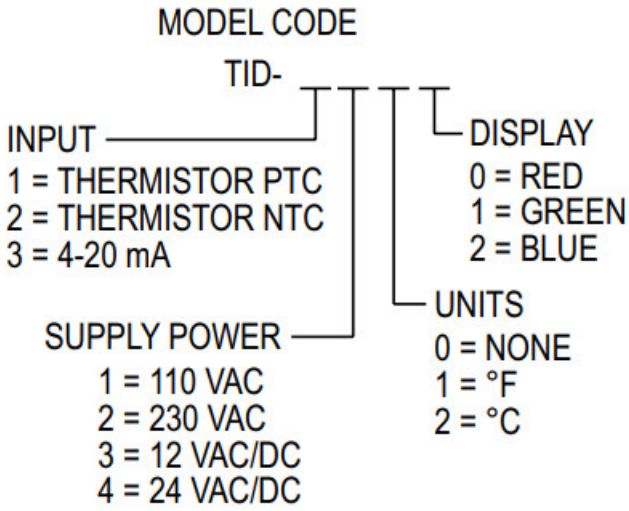
Contents



## Specifications – Installation and Operating Instructions


The affordable Series TID allows users to monitor temperature or a process value.
Temperature ranges are available from -58 to 302°F using one of our PTC or NTC thermistors. Process values can be displayed from -999 to 999 counts using a 4-20 mA signal from one of our various transmitters. The process indicator has an adjustable span and zeroes on the 4-20 mA models.

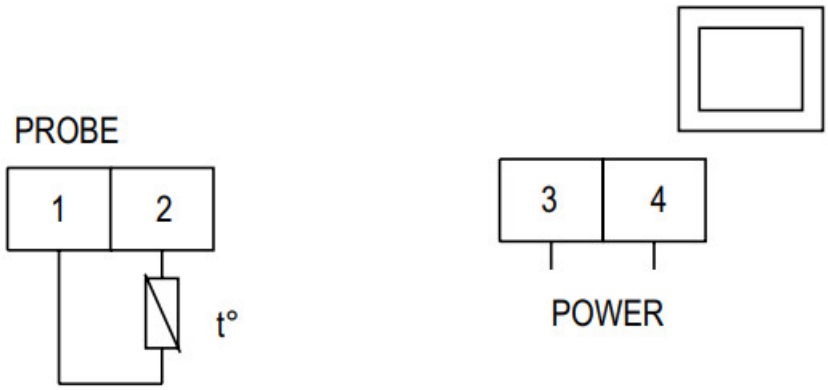



**Installation**
**Note:** The unit must be mounted away from vibration, impacts, water, and corrosive gases.

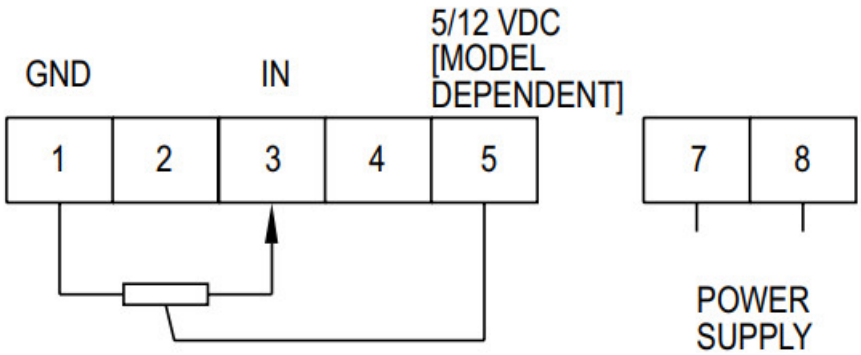
- Cut hole in panel 2.80 x 1.14 in (71 x 29 mm).
- Apply silicone (or rubber gasket) around the perimeter of the hole to prevent leakage.
- Insert the unit into the hole of the panel.
- Slide removable fitting clips onto the unit from the back until secure to the panel.
- Remove the back cover to the wire unit.

- A wiring diagram is displayed on the top of the unit.

**SPECIFICATIONS**
**Range:** -58 to 302°F (thermistor); -999 to 999 counts (4-20 mA).
**Input:** PTC/NTC thermistor or 4-20 mA.
**Power Requirements:** 115 VAC, 230 VAC, 24 VAC/DC.
**Accuracy:** > 1%.
**Display:** 3-digits; red, green or blue display.
**Resolution:** 1° or 0.1 count.
**Front Panel Rating:** IP64 (NEMA 3R).
**Output:** 5/12 VDC (model dependent).
**Weight:** 2.3 oz (65 g).
**Compliance:** CE, cURus.




**Thermistor connection diagram**




**Current connection diagram**

| LIST OF PARAMETERS (CURRENT MODELS ONLY) | | | |
|---|---|---|---|
| | **Description** | **Units** | **Range** |
| Lc<br>He<br>P1<br>H5 | Value for 4 mA input<br>Value for 20 mA input<br>Decimal point<br>Access code | <br>Range<br>Range<br>Selection Numeric | <br>-999 to 999<br>-999 to 999<br>No/yes<br>0 to 99 |

**Parameter Descriptions**

Lc = Value for 4 mA input
If P1 = Yes the value is displayed with a decimal point
Hc = Value for 20 mA input
If P1 = Yes the value is displayed with a decimal point
P1 = Decimal Point
If P1= Yes LC, Hc, and probe values are displayed with a decimal point
H5 = Access code to parameters

## Parameter Programming

- Press SET for 8 seconds. The Access code value 00 is shown on the display (the unit comes with a code set at 00 from the factory).
- With the UP and DOWN arrows, code can be set to user needs.
- Press SET to enter the code. If the code is correct, the first parameter label is shown on the display (Lc).
- Move to the desired parameter with the UP and DOWN arrow keys.
- Press SET to view the value on the display.
- The value can be modified with the UP and DOWN arrows.
- Press ENTER to enter the value and exit.
- Repeat until all necessary parameters are modified.
- Press SET and DOWN at the same time to quit programming or wait one minute and the display will automatically exit programming mode.

**Note:** The keyboard code can be reset to ZERO by turning off the controller and turning it on again while keeping the SET key depressed.

### Display Message

The display normally shows the temperature of the probe. In case of error the following messages are shown:

- Er = Memory error
- 00 = Open probe
- — = Short circuit probe



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## Documents / Resources

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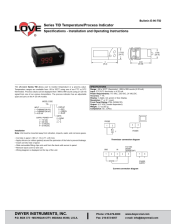
|  | Dwyer TID Series Temperature-Process Indicator [pdf] Instruction Manual<br>TID Series Temperature-Process Indicator, TID Series, Temperature-Process Indicator, Process Indicator, Indicator |

## References

- Dwyer Home