

# TP-550 Series

## Temperature/Process Monitor With or Without Alarms

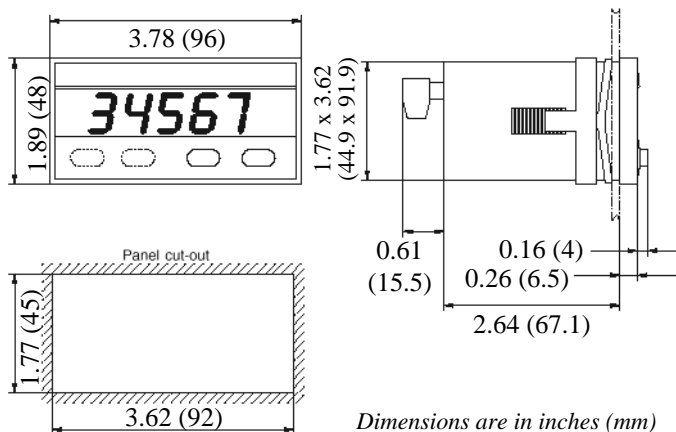
### Features

- Very bright LED display, height 14mm
- DIN housing, 96 x 48 mm
- Programmable operating curve for standard signals, thermocouples, resistance thermometers, etc.
- Programmable operating curve, even non-linear, allowing the use of economical sensors
- Two relay outputs with two preset limit values

### Additional features:

- DIN housing 96 x 48 mm
- Character height: 14 mm
- Resolution 14 bits
- Simple menu-driven programming, and operation with 4 keys
- Electrical connections by means of plug-in screw terminals
- Voltage supply: 10-30 VDC or 90-260 VAC
- IP 65/NEMA4 (front)
- Auxiliary power supply output for transducer or sensor  
10..30 VDC: 10 VDC  $\pm$  2%, 30 mA  
90..260 VAC: 24 VDC  $\pm$  15%, 50 mA and 10 VDC  $\pm$  2%, 30 mA
- Hum eliminator (50/60 Hz user selectable)
- Coming Soon: Serial interface allows reading of the measured values and set-up programming.

### Dimensions



### TP554 Specifications:

Process controller for thermocouples, resistance thermometers and sensors with mV range; two preset limit values

- Display range: -19.999..99.999
- Input ranges:  
0..400  $\Omega$ , 0..4000  $\Omega$   
0..100 mV, -100..+100 mV

### Thermocouples

- Integrated operating curves for thermocouples (types B, C, D, E, G, J, K, L, N, R, S, T, U)
- Programmable input operating curve with up to 24 reference points
- 2 programmable limit values (TP551; unit without presets, has only 2 buttons)
- Outputs: Two (2) SPDT relays (250 VAC / 3A)
- Programmable hysteresis (on, off, on/off)
- SET key to reset the outputs
- Inputs: thermocouple, millivolt, resistance thermometer with measurement on 2, 3 or 4 wires, RESET to reset the outputs, KEY terminal to lock the front keys.

### Order Code

Example: TP554.010 0 00

Series: \_\_\_\_\_  
 TP551.012 = No Presets/Relays  
 TP554.010 = 2 Presets/Relays

Operating Voltage: \_\_\_\_\_  
 0 = 90 to 260 VAC  
 3 = 10 to 30 VDC

Options: \_\_\_\_\_  
 00 = None