

General Specifications

- μ P based, digital temperature controller with a single output
- Sensor: T/C, Fe-Const, J Type
- ON-OFF Control form
- Adjustable Hysteresis Value
- Adjustable Upper Limit for SET Value
- Displays SET and Process Values
- Cold-junction compensation for T/C
- Excellent linearity with °C/mV look up table
- High accuracy
- EEPROM memory to store settings
- Dimensions: for DT-96E 96x96mm, for DT-72E 72x72mm
- Easy connection with plug-in connectors

Technical Specifications

- **Panel Hole Sizes** : for DT-96E 90x90mm, for DT-72E 70x70mm
- **Display** : 1x3 Digit 7 Segment display
- **Measuring Scale** : 0 °C.....600 °C
- **SET Invertal** : 0 °C.....600 °C (limited with Up.L value)
- **Hysteresis Interval** : 0 °C.....50 °C
- **Sensor** : Fe-Const, J type T/C
- **Resolution** : ± 1 °C
- **Accuracy** : ± 0.3 (Over full scale)
- **Control Form** : ON-OFF
- **Out** : Relay (NO + NC), 250VAC, 2A, Resistive Load
- **Supply Voltage** : 100.....240VAC, 50/60 Hz
- **Power Cons.** : < 6VA
- **Line Comp.** : 0 °C.....50 °C
- **Operating Temp.** : -20 °C.....55 °C
- **Altitude** : < 2000m
- **Failure** : Out is OFF in case of sensor failure, measurement out of range or hardware fails to measure input signal.

Error Message

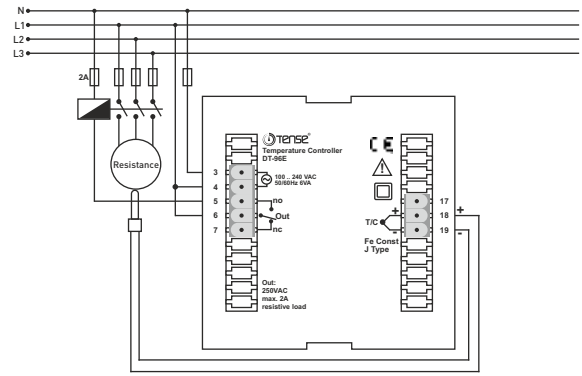
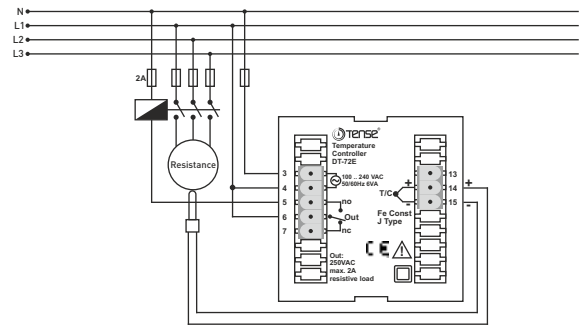
- or : Displays "or" message in case of sensor failure, measurement out of range or hardware fails to measure input signal

Warning:

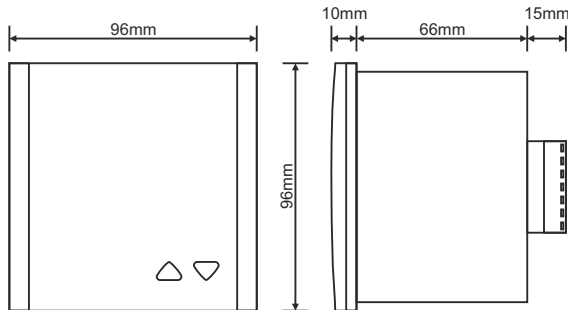
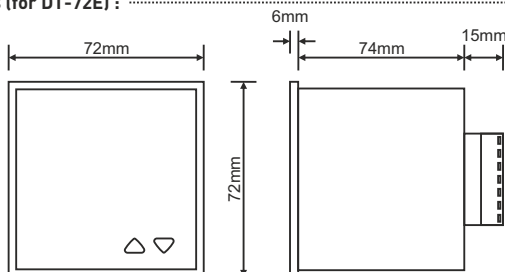
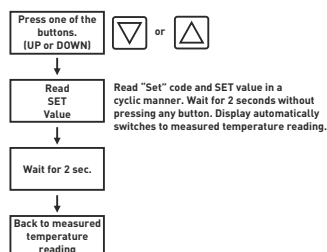
- Use shielded and twisted signal cables and connect shield to ground on device side. Use correct compensation cables for T/C sensors. Correct T/C cable directly to the device connectors. Keep all signal cables away from circuit breakers, devices/cables emitting electrical noise and power cables.
- Take precautions against environmental conditions like humidity, vibration, pollution and high/low temperature during installation.
- Use a fuse (slow 250mA 250VAC) on supply input of the device. Use appropriate cables for supply connections. Apply safety regulations during installation.

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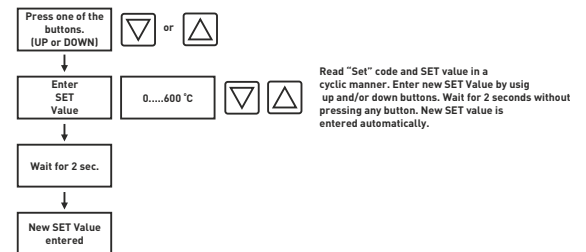
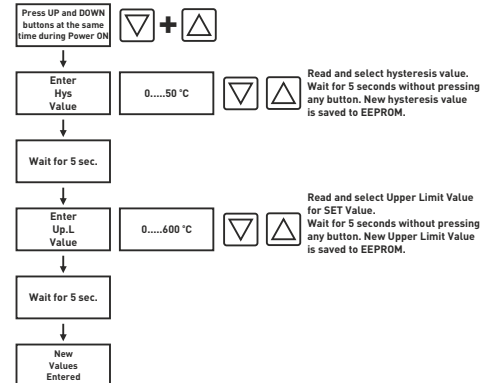
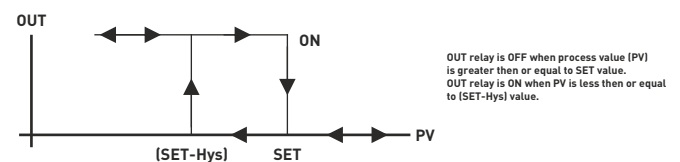
MADE IN TURKEY

Connection (for DT-96E):**Connection (for DT-72E):**

2

Dimensions (for DT-96E) :**Dimensions (for DT-72E) :****Reading SET Value:**

3

Adjusting SET Value:**Adjusting Hysteresis and Upper Limit Values****OUT; Control Form (ON-OFF):**

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