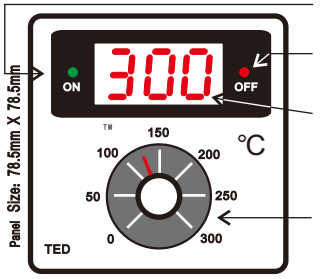
TED Instrument Manual



ON(Green): the PV has not reached the Setting Value
terminals 7 and 8 ON (7 and 6 OFF)

OFF(Red): the PV above the SV
terminals 7 and 8 OFF (7 and 6 ON)

LCD digital panel:digital high-definition dispaly,clear and legible,effectively improving the work.

Temperature setting knob: The knob is assigned to the desired temperature Degree scale.

1.The meter type must be used with the sensor type.
For example, the K type can only use the K type sensor.
2.Common faults: display HHH - sensor damage / missed /K or E not match.
The temperature does not rise and fall when heater working or display LLL:
sensor reverse connection / K or E not match.
3.If it is unclear which is fault between the sensor and the meter(E/K type).
We can short the 1 and 2 terminals, and the meter shows that the temperature
is almost the same as the normal temperature.
It means the instrument is normal, the sensor (thermocouple) is broken.
4.This method is not applicable to the detection and judgment of CU50 and Pt100
thermal resistance type meters.

Meter size

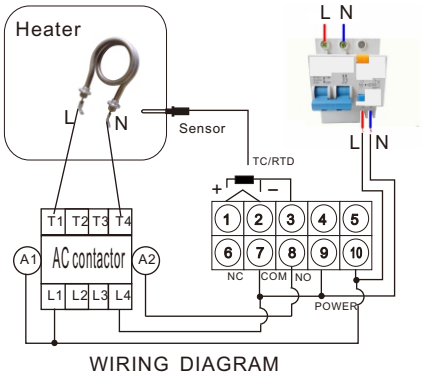
TED
Panel：78.5mm X 78.5mm
O/L size：66.2mm X 66.2mm
O/L length：71mm
Length with terminal：77.5mm

TDA
Panel：60mm X 120mm
O/L size：55.2mm X 115mm
O/L length：80mm
Length with terminal：89mm

Note: the size ofdistribution box hole is greater than controller Housing size and smaller than the panel size!

Instrument description and wiring instructions

6.7.8 Terminals are relay output terminals (passive output)
7 is a common point and 6 is a normally closed point. 8 is a normally open point.no power output.
When the temperature does not reach the set temperature,the panel green light (ON) is on / 7 and 8 terminals are closed (conducted) :when the temperature reaches the set temperature or higher than the set temperature: the panel red (OFF) lights up / 7 and 6 twoTerminal pull-in (conduction)



WIRING DIAGRAM

Temperature Sensor Connection

K/E:1+(Red),2-(Green)
Cu50/Pt100: 1+(Red),2-3-(Green)

Working Mode

Heating mode: NO and COM
Cooling mode: NC and COM

PS:Instrument is a control Product, non-load Product.
The relay inside instrument is only 5A Power.
The AC contactor or High power intermediate relay must be installed between the controller and load.
Instrument is not available used in Inflammable and explosive High temperature and high humidity environment!

The temperature difference of the controller is 2 degrees. When the normally open point is connected, the temperature rises to the set point and the contact open and the load stop heating.
When the temperature falls below the set temperature by 2 degrees, it closes and load starts to work.