

- 1 : SET KEY
- 2 : INCREMENT KEY
- 3 : DECREMENT KEY
- 4 : DISPLAY
- 5 : ALARM ON INDICATION
- 6 : RELAY ON INDICATION

Model DTC	Control Range	Input Sensor
CTS1P1	-9.9°C to 99.9°C	Pt 100
CTS1P2	-99°C to 250°C	Pt 100
CTS1P4	-25°C to 400°C	Pt 100
CTS1AP	-9.9°C to 40.0°C	Pt-100

Operating Instructions:

1) Connect wire as per connection diagram
 2) Temperature setting :
 Switch "ON" the mains. For CTS1AP, display will show actual temperature .

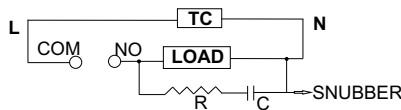
Press "SET" key. Now display will start flashing with previous set point .set it using up or down key to desired value. After Setting new set point push SET key to store new value. If no key is pressed in set mode then display will go to normal mode & will show actual temp .The new value will be get stored in memory.To set new set point push "SET" key again.

3) Differential Setting & Range Locking :

Push down arrow key, hold it and push up arrow key & release both the keys simultaneously. **htc** with previous set no will flash simultaneously (0 to 9) This is hysteresis, set it by up & down arrow keys. After setting, push "SET" key to store that value. Again push "SET" key, **mg** & 400 will flash alternately. This is range locking mode. Here one can set maximum limit of range by using up & down keys. push "SET" key again to store new value.In case of pt-100 sensor display will go to normal mode.

If load is inductive connect snubber across load

CONNECTION FOR LOAD



R=56 OHMS / 2 WATT.
 C=0.1 MFD / 250 V AC
 TC=TEMPERATURE CONTROLLER

CT-S1AP

DIGITAL TEMP. CONTROLLER

Features :

- ON/OFF control.
- Set point adjustment through Soft push switches on front panel.
- Relay output 5 Amp.(Resistive load)
- Built in spike suppressor for protection from transient.
- LED indication for relay on status

Specifications:

Input sensor : Pt 100 (RTD) or Logic : Heating
 Control range : -9.9°C to 40.0°C
 Size (in mm.) : 105 (H) X 148(W) X 50(D)
 Accuracy : +/-0.1°C
 Cut out : 50 X 65 mm
 Mounting : Panel mounting
 Power Consumption : 10 VA max.
 Relay output : Potential free. 5 Amp. Resistive load at 230 VAC

Trouble Shooting :

- 1) Sensor open indication : Display shows "Err".
- 2) Sensor reverse : If thermocouple is not connected according to polarity, temp goes down while heating.
- 3) Not showing proper temp. : Loose connection on terminal or calibration problem.
- 4) No Display: Main connection problem.

TERMINAL CONNECTION

