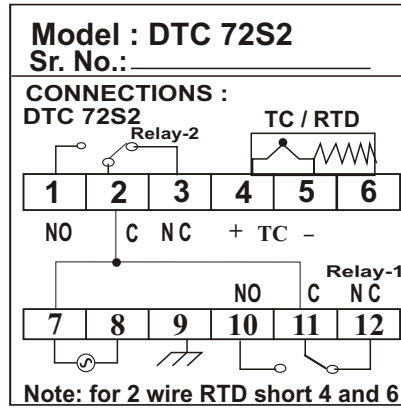


Terminal Connections

- 1 - No connection
- 2 - Normally open contact of relay 2
- 3 - Common contact of relay 2
- 4 - Normally close contact of relay 2
- 5 - No connection
- 6 - Positive of TC/ Black or green of 3 wire RTD (Short Wire)
- 7 - Negative of TC / RED of 3 wire RTD
- 8 - Green or Black of 3 wire RTD (Short Wire)
- 9 - No connection
- 10- No connection
- 11 - Live (supply)
- 12 - Neutral (supply)
- 13- Earth
- 14 - No connection
- 15- Normally open contact of relay1
- 16 - Common contact of relay1
- 17 - Normally close contact of relay1
- 18 - No connection



Terminal Connections

- 1 - Normally open contact of relay2
- 2 - Common contact of relay2
- 3 - Normally close contact of relay2
- 4 - Positive of TC/ Black or green of 3 wire RTD (Short Wire)
- 5 - Negative of TC / RED of 3 wire RTD
- 6 - Green or Black of 3 wire RTD (Short Wire)
- 7 - Live (supply)
- 8 - Neutral (supply)
- 9 - Earth
- 10- Normally open contact of relay1
- 11- Common contact of relay1
- 12 - Normally close contact of relay1



DTC72S2/DTC96S2

DTC72S2/96S2

Features :

- ON/OFF Control
- ✍ Set point adjustment through soft push switches on front panel
- ✍ Fail-Safe activation circuit
- ✍ Relay output 5 Amp.(Resistive load)
- ✍ Flush panel mounting in 72 x 72/96 x 96
- ✍ Built in spike suppressors for protection from transient
- ✍ Built in cold junction compensation for thermocouple
- ✍ LED indication for relay on status
- ✍ Adjustable differential & Range

Specifications

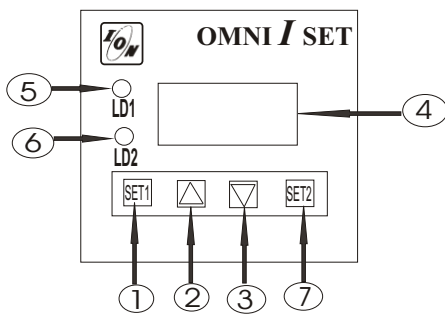
- Input sensor :-Pt 100 (RTD) or Thermocouple J/ K type
- Logic :- Heating
- Control range :-25°C to 400 / 600°C/ 999°C
- Size (in mm.) :-DTC72:-72 (H) x 72 (W) x125(D)
DTC96:-96(H) x 96 (W) x125(D)
- Accuracy :- 1°C & 0.1°C
- Cut out :- 68 X 68 mm/89X89 mm
- Mounting :- Panel mounting
- Power
- Consumption :-10 VA max.
- Relay output :-potential free
5 Amp. Resistive load at
230 VAC for both set point

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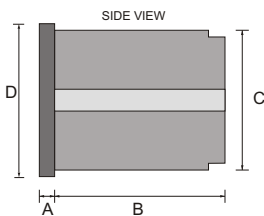
ASST (DND)

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DH (DND)



- 1:- SET1 KEY
- 2:- INCREMENT KEY
- 3:- DECREMENT KEY
- 4:- DISPLAY
- 5:- RLY1 ON INDICATION
- 6:- RLY2 ON INDICATION
- 7:- SET2 KEY



MODEL	A	B	C	D
DTC72S2	10	110	68	72

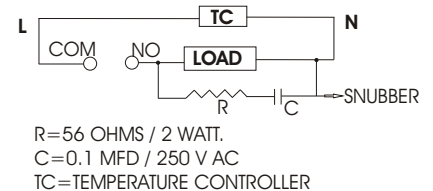
Operating Instructions:

- 1) Connect wire as per connection diagram
- 2) Temperature setting :
 Switch "ON" the mains. For DTC72S2 / DTC96S2, display will show actual temperature .
 Press "SET1" key. Now display will start flashing with previous set point .set temperature using up & down key to desired value.After Setting new set point push set1 key to store new value. If no key is pressed in set mode then display will go to normal mode& shows actual temp .The new value will be get stored automatically.To set new set1 point push "SET1" key again. Press "SET2" key. Now display will start flashing with previous set point .Repeat steps as in set1 setting to set desired set Point2. point push "SET2" key again.
- 3) Differential Setting & Range Locking :
 Push down arrow key, hold it and push up arrow key & release both the keys simultaneously. Display will show *htC* & any count (0 to 9). This is hysteresis, set it by up & down arrow keys. After setting, push "SET2" key to store that value. Again push "SET2" key, display will show *rnG & 400* alternately. This is range locking mode. Then set desired value by using up & down keys. After setting push "SET2" key to store that value.

Model DTC	Control Range	Input Sensor
72S2P1/96S2P1	-9.9°C to 99.9°C	Pt 100
72S2P2/96S2P2	-99°C to 250°C	Pt 100
72S2P4/96S2P4	-25°C to 400°C	Pt 100
72S2J/96S2J	0°C to 600°C	J Type
72S2K/96S2K	0°C to 999°C	K Type

If load is inductive , connect snubber across load

CONNECTION FOR LOAD



Trouble Shooting :

- 1) Sensor open indication : Display shows "Err"
- 2) Sensor reverse : if thermocouple not connected according to polarity temp goes decreasing while heating
- 3) Not show proper temp. : Loose connection on terminal or calibration problem.
- 4) No Display - Check Mains connection.

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