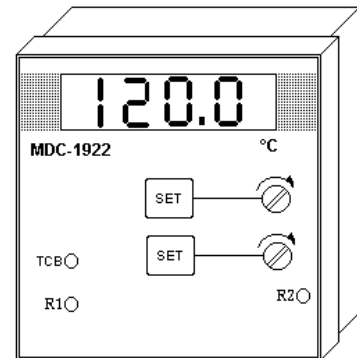


Specifications :

1. Digital Display (3½ Digit Red color)
2. Size: 96 x 96 x 110 mm.
Panel Cutout: 92 x 92 mm.
3. Supply: 230 V AC, 50 Hz
4. Sensor: J Type Thermocouple.
5. Range: 0 – 400 °C.
6. Output: 2 relays with 1 C/O, 5 Amp, 230 V contact.
7. Control Action : TP/ON-OFF (optional)



Display: There is single display, which indicates respective SET TEMPERATURE when respective SET key is pressed and it shows PROCESS TEMPERATURE when the same key is released.

LED's: There are two LED's one for indicating the Relay (H) ON/OFF condition and second for Thermocouple break (TCB) indication.

Front key:

SET

There are two SET keys on the front side UPPER one for the SET POINT-1 and LOWER one for the SET POINT-2. Using these keys you can set the temperature in the range 0 – 400 °C.

Working:

- First of all make the connections of the instrument, i.e. connect appropriate thermocouple at the backside and relay with the heater via contactor from safety point of view.
- Then set the temperature to your desired value by pressing the set key and moving the screw either in clockwise or anti-clockwise direction.
- On releasing the key you can see the present process temperature where you have installed the thermocouple.
- When process temperature equals to (SET-1) relay-1 will turn OFF and (SET-1 – HYST) relay-1 will turn ON again. When process temperature equals to (SET-2) relay-2 will turn OFF and at (SET-2 –HYST) relay-2 will turn ON again.
- The Thermocouple Break led (TCB) will give the indication only when the sensor will not be able to sense the temperature or it is not connected properly.
- There are two trim pots at the back of the instrument. The ZERO trim pot is used to adjust the ZERO setting and the SPAN trim pot is used to adjust the SPAN setting.

CONNECTION DIAGRAM: