

CLASSIC FEATURES :

72(W) X 72(H) X 120(D) mm.



96(W) X 96(H) X 120(D) mm.



96(W) X 48(H) X 120(D) mm.

*** INPUT:**

RTD - 0 - 140°C

* Very high accuracy 0.3%, With software linearization.

* Easy online field calibration by easy software.

* Temperature sensor break or (OPEN) indication. Under range & over range indication.

* Alarm-1, Alarm-2 two independent set point.

* Built-in °C to °F conversion for temperature.

* Built-in watch dog circuit for fail safe operation.

* Built in soak timer function specially for oven, autoclave application.

* Three different industrial sizes are available on request.

* Program setting by three soft membrane keys on the front panel.

* Relay output for each set point with NO/C/NC output.

* 2Nos. L.E.D used for alarm1 & alarm2.

* Very compact in size, easy to handle & install.

DESCRIPTION :

The temperature controller TC-405 is a part of the TC series intelligent microcontroller base control instrument for realization of economic solution to process control problem. It is widely used for controlling temperature. It is compact in size & easy to handle. Battery back up facility is available to store the set able parameter after power fail.

TECHNICAL SPECIFICATIONS:-

- * **Input** : RTD (PT-100)
- * **Range** : RTD - 0 to 140 °C
- * **Resolution** : 0.1
- * **Time Base** : 11.0592 MHz Quartz Crystal Time Base.
- * **Set Point** : 2 Independent set point.
- * **Setting** : By 3 keys on front panel i.e. (+) & (-) (SET) Keys.
- * **Display** : 5 digit of 13.0 m.m. digit height L.E.D. display.
- * **Hysterisis** : 0 to 99
- * **Soak Time** : 0 - 999Seconds
- * **Output** : 1NO /C /NC Relay contact rated 230VAC / 6A for the Relay1 & Relay2.

- * **Dimension** : 72(W) X 72(H) X 120(D) in mm.
96(W) X 48(H) X 120(D) in mm.
96(W) X 96(H) X 120(D) in mm.

- * **Cutout** : 68(W) X 68(H) in mm.
92(W) X 44(H) in mm.
92(W) X 92(H) in mm.

- * **Supply** : 230V A.C. ±10% 50Hz (or) 110 Volt ±10% 50Hz.
- * **Mounting** : Panel Mounting.
- * **Cabinet** : ABS Plastic, Black or White colour.
- * **Terminals** : 15no. PBT terminal for 2.5 Sq.mm. lugs Pin type or 2.5mm. Wire.

- * **Buzzer alarm** : When complete the soak time.

Ordering Information:

- * Minimum & maximum range
- * Supply
- * Hysterisis
- * Size
- * Soak time
- * Detail application

BACK VIEW

BACK VIEW	P	N	E			NC1	C1	NO1
	230 VAC					RELAY-1		
	1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16	
	INPUTS			RELAY-2				BACK VIEW
			+	-	NC2	C2	NO2	

SIZE: 96(W) X 48(H) X120(D) mm.

		T	C			Model No.: Sr.No.:
		+	-			
⊗	⊗	⊗	⊗	⊗	⊗	
RELAY 2		RELAY 1			SUPPLY	
C	N	N	C	N	N	
2	C	O	1	C	O	
	2	2		1	1	
						E N P
⊗	⊗	⊗	⊗	⊗	⊗	⊗

SIZE: 72(W) X 72(H) X120(D) mm.

BACK VIEW								
					INPUT			
					+	-		
⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
1	2	3	4	5	6	7	8	9
SR. NO: INPUT				MODEL NO. SUPPLY				
10	11	12	13	14	15	16	17	18
⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
NC2	C2	NO2	NC1	C1	NO1	E	N	P
RELAY-2			RELAY-1			230VAC		

SIZE: 96(W) X 96(H) X120(D) mm.