

PROGRAMMABLE CONTROLLER



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

CLASSIC FEATURES :

*** INPUT:**

- RTD - 0 - 400°C(maximum)
 - 4 - 20mA
 - 0 - 10VDC
 - 0 - 75mV
- } Programmable Range

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



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



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

DESCRIPTION :

The Temperature Controller TC-404 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 for pressure, DC current, flow & temperature etc. It is compact in size & easy to handle. Battery back up facility is available to store the settable parameter after power fail.

TECHNICAL SPECIFICATIONS:-

- Display** : 5 digit of 13.0 m.m. digit height L.E.D. display.
- Input** : Available for RTD, 4 - 20 mA, 0 - 10VDC, 0 - 75mV.
- Range** : RTD - 0 to 400 °C, J Type, K type Thermocouple.
 4 - 20mA
 0 - 10VDC } Programmable Range
 0 - 75mV
- Resolution** : 1, 0.1, 0.01 (Programmable)
- 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.
- Output** : 1NO /C /NC Relay contact rated 230VAC / 6A for the Relay1 & Relay2.
- Supply** : 230V A.C. ± 10% 50Hz (or) 110 Volt ± 10% 50Hz.
- 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.
- Cabinet** : ABS Plastic, Black or White colour.
- Mounting** : Panel Mounting.
- Terminals** : 18Nos. 'L' type connector for 'Y' type lugs.
- Proportional** : 0 to 20.
- Hysterisis** : 0 to 99
- Band Integral Time** : 0 to 99 Minute.

Ordering Information :

- * Input type
- * Minimum & maximum range
- * Supply
- * Hysterisis
- * Size
- * 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) X 120(D) mm.

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

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

BACK VIEW								
					INPUT			
					+	-		
1	2	3	4	5	6	7	8	9
SR. NO:				MODEL NO.				
INPUT				SUPPLY				
10	11	12	13	14	15	16	17	18
NC2	C2	NO2	NC1	C1	NO1	E	N	P
RELAY-2			RELAY-1			230VAC		
AMBE TRONICS TEL.: 28371143, FAX 28226570								

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

Ambetronics Engineers Pvt. Ltd.

17-B, Tarun Industrial Estate, Mogra Pada, New Nagardas Road, Andheri (East), Mumbai-400069, India.

Tel. : +91-22-66995525, 28371143, Fax : +91-22-28226570

Mob. : 09324571143, Website: www.ambetronics.com

E-mail : sales@ambetronics.com, ambetronics@vsnl.com

DEALERS :