



AMBETRONICS AN ISO: 9001 : 2000 COMPANY



MANUFACTURER OF TIMER , COUNTER , RPM & TEMPERATURE INSTRUMENTS & PROCESS AUTOMATION

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PROGRAMMABLE CONTROLLER MODEL NO. : TC - 404

CLASSIC FEATURES :



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

* 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 0 - 75mV
	} Programmable Range
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	* Hysterisis
* Minimum & maximum range	* Size
* Supply	* 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.

[illegible]

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

BACK VIEW

					INPUT			
					+	-		
$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$
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		



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