



AMBETRONICS AN ISO: 9001 : 2000 COMPANY



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

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PROGRAMMABLE AUTOCLAVE CONTROLLER MODEL NO. : TC-405

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:**

PT - 100 (3Wire)
Range : 0 to 140°C.

* Very high accuracy 0.25%, 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.

* 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 settable parameter after power fail.

TECHNICAL SPECIFICATIONS:-

Display	: 5 digit of 13.0 m.m. digit height L.E.D. display.
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.
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	: 96(W) X 48(H) X 120(D) in mm. 96(W) X 96(H) X 120(D) in mm.
Cutout	: 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.
Hysterisis	: 0 to 99 Programmable.
Soak Time	: 0 - 999Seconds
Buzzer alarm	: When complete the soak time.

Ordering Information:

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

BACK VIEW

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