

PROGRAMMABLE AUTOCLAVE CONTROLLER



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

CLASSIC FEATURES :

* **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.



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



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

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. $\pm 10\%$ 50Hz (or) 110 Volt $\pm 10\%$ 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 | * Supply |
| * Hysterisis | * |
| * Soak time | * 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 | BACK VIEW | |
| INPUTS | | | RELAY-2 | | | | | | |
| | | | + | - | 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 | I | C | O | E N P |
| 2 | 2 | 2 | 1 | 1 | 1 | |
| ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |

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 | | |
| AMBE TRONICS TEL.: 28371143, FAX 28226570 | | | | | | | | |

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

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DEALERS :