



AMBETRONICS™

AN ISO 9001 : 2000 COMPANY



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

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PROGRAMMABLE 6 DIGIT TIME TOTALIZER MODEL NO. : PT - 108



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



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

CLASSIC FEATURES:-

- * Used latest microcontroller based technology.
- * SECOND, MINUTE, HOUR Range programmable by users.
- * 0.01, 0.1, 1 Resolution programmable by users.
- * Minute - Second range from 0000.01 to 9999.59.
- * Hour - Minute range from 0000.01 to 9999.59
- * Hour - Minute - Second from 00.00.01 to 99.59.59
- * Count up, Count down programmable by users .
- * 6 digit 13 mm. height bright red L.E.D display.
- * 1 No. Red L.E.D for relay ON indication.
- * Built-in watch-dog circuit for fail safe operation.
- * Delay OFF, Delay ON, Pulse O/P Programmable with pulse duration.
- * Built in 4 digit (9999) batch counter For Timer Pulse cycle mode.
- * Power fail three conditions programmable by users.
- * Program setting by three soft membrane keys on the front panel.
- * Compact in size, very easy to set and operate in field.
- * Built in +12 V DC supply for Proximity switch, Infrared sensor, buzzer.
- * Built in HOLD and RESET facility from front & rear terminal.

TECHNICAL SPECIFICATIONS: -

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display | : 6 digits of 13.0 mm height L.E.D display. |
| Range | : 1-999999 (6 digit) Second, Minute, Hour programmable by users. Minute - Second range from 0000.01 to 9999 . 59 Hour - Minute range from 0000.01 to 9999.59 Hour - Minute- Second range from 00.00.01 to 99.59.59 |
| Accuracy | : Better than 0.1% |
| Output | : 1NO/C/NC relay potential free contact rated 230VAC / 6Amp. |
| Supply | : 230 V AC 10% 50 Hz, 110 V AC 10% 50 Hz. |
| Resolution | : 1,0.1,0.01 (programmable) for Sec / Min / Hour. |
| Time base | : 11.059 MHz quartz crystal time base. |
| Setting | : 3 membrane keys on front panel i.e., (+), (-) & (SET) keys. |
| Count Mode | : Count Up, Count Down user selectable. |
| Relay Action | : Normally ON, Normally OFF, Pulse O/P from 0 to 999.9 second. |
| Terminal | : 18Nos. 'L' type connector for 'Y' type Lugs. |
| L.E.D. | : One No. LED red colour for relay status indication. |
| Reset (Ip1) | : Manual by pressing (-) key for 5 Sec or remote Reset from back side terminal, IP1 with +V Terminal. |
| Start (Ip2) | : To start the time totalizer function activate IP2 with +V on rear terminal |
| Hold | : Manually press (+) key for one second till display flashing "hold". |
| Dimension | : 96 (W) X 48(H) X 120(D) in mm. 96 (W) X 96(H) X 120(D) in mm. 186 (W) X 340(H) X 110(D) in mm. (Flameproof: IP65) |
| Cutout | : 92(W) X 44(H) in mm. 92(W) X 92(H) in mm. |
| Cabinet | : ABS Plastic Black / White colour. |
| Mounting | : Panel mounting / Wall mounting for Flameproof model. |
| Builtin | : +12 VDC, 50mA supply for proximity, infrared sensor, buzzer etc. |
| Optional | : Flameproof model is also available. |

Ordering Information:

- * Maximum range.
- * Supply

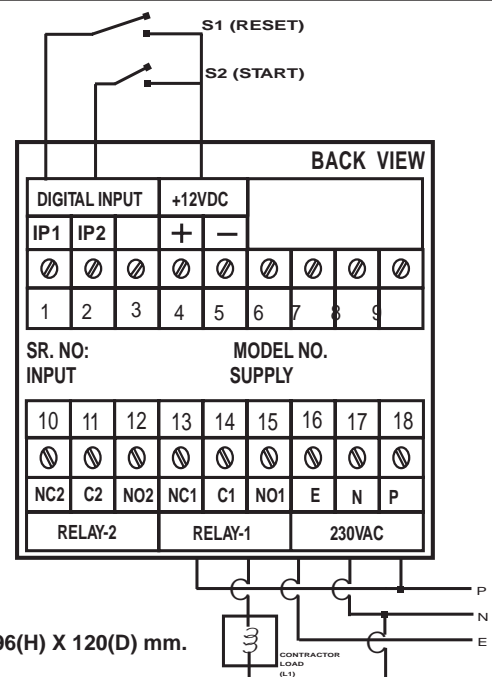
- * Size
- * Application details.

BACK VIEW

| | | | | | | | | |
|-----------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|----------------|-----------------|
| BACK VIEW | P | N | E | G | +V | NC ₁ | C ₁ | NO ₁ |
| | 230V AC | | | PROXIMITY SUPPLY | | RELAY - 1 | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| INPUTS | | | | RELAY - 2 | | | BACK VIEW | |
| | IP ₂ | IP ₁ | NC ₂ | C ₂ | NO ₂ | | | |

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

P : PHASE
N : NEUTRAL
E : EARTH
S1 : CLOSE TO RESET/START
S2 : CLOSE TO START
C : CAPACITOR (0.1 μ F/1000VDC)
R : RESISTOR (100E/2 WATT) } Snubber Circuit



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