



# AMBETRONICS™

AN ISO 9001 : 2000 COMPANY



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

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## PROGRAMMABLE ON / OFF TIMER MODEL NO. : PT - 100

### CLASSIC FEATURES:-



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

- \* Used latest microcontroller based technology.
- \* SECOND, MINUTE & HOUR range programmable by users.
- \* 0.01, 0.1, 1 count resolution programmable by users.
- \* Count up & count down mode programmable by users.
- \* Two Independent setting with relay output.
- \* 2 Nos. L.E.D. used for RL1 & RL2 ON indication.
- \* 11.0592 MHz quartz crystal for high accuracy 0.3%.
- \* Built-in watch-dog circuit for fail safe operation.
- \* Remote & manual front panel reset & hold facility.
- \* Program setting by three soft membrane keys on the front panel.
- \* +12VDC / 50mA built-in supply for proximity, infrared sensor.
- \* 1NO / C / NC relay contact rated 230VAC / 5AMP. For each setpoint.
- \* Power fail three conditions programmable by users.
- \* Three different DIN sizes are available.
- \* Optional flameproof model is available on request.



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



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

### DESCRIPTION:-

The PT-100 programmable ON/OFF timer is a part of Ambetronics PT series intelligent microcontroller based control instrument for realization of economic solution time control problem. The PT-100 design to be a panel mounted in a environment suitable electronics equipment. The PT - 100 has 3 type different model as per different sizes. This instrument is widely use to start or to stop the machine for specific time.


## TECHNICAL SPECIFICATIONS :-

- Display** : 5 Digits of 13.0mm. height 7 segment red colour L.E.D display 2 no. red L.E.D for relay ON Indication.
- Range** : 0-9999 (4digit) Second , Minute, Hour range, programmable by users.
- Accuracy** : Better then 0.2%
- Resolution** : 0.01, 0.1, 1 (Programmable by users) for all above 3 ranges.
- Output** : 1NO / C / NC Relay potential free contact rated 6A at 230VAC for both the Relay 1 & Relay 2.
- Supply** : 230 VAC + 10% 50Hz OR 110V AC + 10% 50Hz. OR 24VDC
- Time Base** : 11.0592 MHz Quartz crystal time base.
- Setting** : 3 membrane keys on front panel '-', '+', SET.
- Relay action** : Delay OFF, Delay ON, Pulse Output 0 to 999.9 second programmable by users.
- Dimension** : 96(W) X 48(H) X 120(D) mm.  
96(W) X 96(H) X 120(D) mm.
- 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.
- Terminal** : 18Nos. 'L' type connector for 'Y' type lugs.
- Count mode** : Count up & Count down programmable by users.
- Built in** : For 12VDC, 50mA built in supply for proximity, Infrared, Sensor & buzzer O/P.
- Optional** : Flameproof model is also available on request.

### BACK VIEW

IP1	IP2	+	-			Model No.: Sr.No:
⊗	⊗	⊗	⊗	⊗	⊗	
RELAY 2			RELAY 1			SUPPLY
C2	NC2	NO2	C1	NC1	NO1	GND
						+12V
						E N P
⊗	⊗	⊗	⊗	⊗	⊗	⊗

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

BACK VIEW								
DIGITAL INPUT			+12VDC					
IP1	IP2	IP3	+	-				
⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
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.

BACK VIEW	P	N	E	G	+V	NC1	C1	NO1
	230 VAC			SENSOR SUPPLY		RELAY-1		
⊗	1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16	⊗
RELAY-2			RELAY-1			BACK VIEW		
			IP2	IP1	NC2	C2	NO2	

SIZE: 96(W) X 48(H) X120(D) mm.