



AMBETRONICS AN ISO: 9001 : 2000 COMPANY



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

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PROGRAMMABLE R.P.M CONTROLLER MODEL PS - 350



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.

CLASSIC FEATURES :-

- * Auto resolution R.P.S. or R.P.M.
- * R.P.S. (Revolution per second or pulse per second) or R.P.M. (Revolution per minute or pulse per minute) Programmable by users.
- * 4 Nos. LED used for RL 1, RL 2, RATE & TOTAL mode indication.
- * 11.059 MHz quartz crystal for high accuracy.
- * Two independent set points programmable in 3 different control actions, Like normally ON, normally OFF, pulse output.
- * Built-in watch-dog circuit for fail safe operation.
- * Relay output for each set point with NO/C/NC output.
- * +12VDC, 50mA built in supply for proximity.
- * Program setting by three soft membrane keys on the front panel.
- * Various different industrial sizes are available on request.
- * Optional :- 4-20mADC/0-2V or 100Hz to 10KHz output for retransmission with respect to R.P.M. Speed.

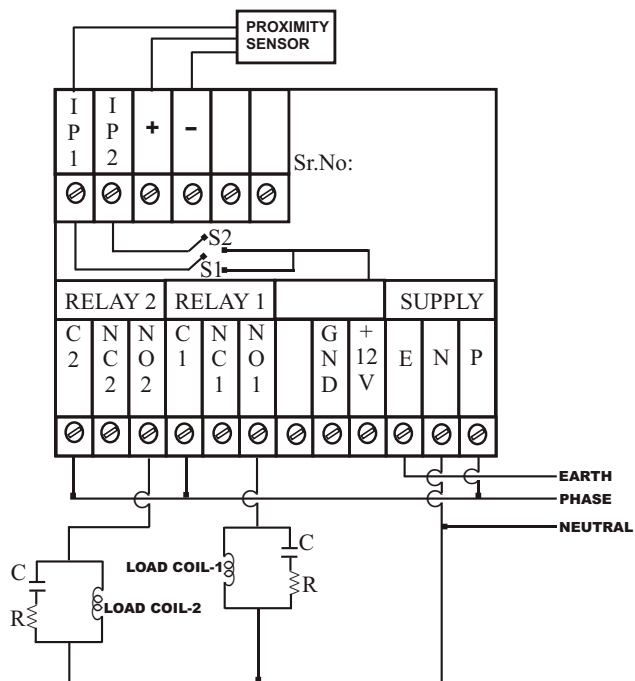
DESCRIPTION:

The PS-350 is programmable digital Presetable Speedometer is a part of the Ambetronics intelligent, microcontroller based control instrument for realization of economic solution for speed control problems. This can be use as R.P.M. trip alarm, zero speed switch & Safety speed switch in industries.

TECHNICAL SPECIFICATIONS :-

Display	: 5 Digit of 13.0 mm. height 7 segment red colour bright L.E.D display.
Range	: 1 R.P.S. to 9999 R.P.S. (Revolution per second) 60 R.P.M. to 9999 R.P.M. (Revolution per minute)
Accuracy	: Better than 0.1%
Output	: 1 NO/C/NC relay contact rated 6A at 230VAC for both the relay 1 and relay 2.
Supply	: 230V AC $\pm$ 10%, 50Hz, 110V AC $\pm$ 10%, 50Hz.
Resolution	: Auto resolution in terms of 0.001, 0.01, 0.1 and 1.
Measure	: R.P.S. (Revolution per second), R.P.M.(Revolution per minute)
Time Base	: 11.059 MHz Quartz crystal time base.
Scale Factor	: 0.001 to 9999 programmable.
Set point	: 2 Independent set point programmable in 3 different control actions.
Control action	: Low and high, low and very low, high and very high (programmable) by users.
Relay action	: ON delay, OFF delay, pulse output 0 to 999.9 second (Programmable) by users.
Sensor supply	: +12VDC/50mA & GND, is available for proximity switch, Infrared switch, limit switch
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. 96(W) X 96(H) X 160(D) in mm.(For with retransmission facility).
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 / White colour.
Mounting	: Panel mounting.
Terminal	: 18Nos. 'L' type connector for 'Y' type lugs.

BACK VIEW



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

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

SIZE: 96(W) X 48(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			
 AMBETRONICS TEL.: 28371143, FAX. 28226570									

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