



MP BASED INSTRUMENTS

SPEED MONITOR

Application:

This unit is microprocessor based Tacho-meter with high low speed switch. This unit measures the speed of motor in RPM. it also give two high speeds and two low speeds limit indications with relay output. The speed limit set by the users, using membrane keypad. it also keeps record of the highest speed achieved by the motor. To remove chattering of relay +/- 3 RPM HYSTERESIS is provided.

It measure the rotational speed, linear speed and machine cycles. the relay o/p is open when the speed is below the set point and closed when the speed is above the set point.

The changes over contact relay that could be used either for alarm or control, purpose during the monitoring process. this is more convenient and more accurate than conventional means. It is equipped with analog signal output, which could be utilized for various display indications and far more precise control. It is ideal for applications in monitoring under & over speed stop in overload conditions.

Features:

- Easily programable from the front panel Keyboard.
- Screw terminal connectors for easy installation.
- Remote facility (optional).
- High speed recording facility.

TECHNICAL DETAILS:

- Display : 6+4 Digit LED Display.
- Six 0.56" inches High Bright Red LED Display for Data and RPM Display.
- Four 0.56" inches High Bright GREEN LED Display Set Value.
- Display Range : 3 - 9999 rpm
- Inputs Signal : Proximity Sensor, Encoder, (Analogue I/p: 0-10VDC & 4-20mA)
- Accuracy : 0.05%
- PPR : (3-255 Programmable)
- Set Point : 4 Nos. (L, LL, H & HH)
- Two Nos Under Speed & Two Nos Over Speed, (IF you want more set point, It also available on request.)
- Relay Outputs : 04 Nos.
- Relay Contact Rating : 230 V AC-5 A or 110V DC-1A or 24V DC-7 A
- Alarm Conditions : Under Speed / Over Speed
- Start up Delay : 0 to 60 seconds.
- Indications LED : RUN / PROG / ERROR /H / HH/LL / L
- Analog Output : 4 to 20mA or 0 - 10 VDC (Programable)
- Supply Voltage : 24VDC / 110VDC / 220VDC / 90-270VAC, 50Hz
- Operating Temperature : 0 - 50 Deg C
- Storage Temperature : 5 Deg C to 70 Deg C
- Housing : ABS Plastics
- Dimension : 96 X 96 X 150 (Approx)
- Cut-out : 92mm X 92mm
- Weight : 300g





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Terminal Connections :

RELAY - H			RELAY - HH			Supply: 24VDC		
1	2	3	4	5	6	7	8	9
NC	COM	NO	NC	COM	NO	E	-	+

RELAY - L	19	NC
	20	COM
	21	NO

RELAY - LL	22	NC
	23	COM
	24	NO

SENSOR I/P									
		O/p-4 To 20mA		PULSE					
		-	+	RST	GND	-VE	+VE	+15V	
10	11	12	13	14	15	16	17	18	



DIMENSION:

