SMRD4M1

Speed Monitoring Relay

70 x 90mm

Features :

- Under, Over, Dual speed
- 2 Relay Output
- RPH, RPM, RPS ranges
- Scalable Input, Auto ranging

Certification : CE

Display Specifications

Display	4 Digits, 7 Segment LED Height of Display : 11mm
LED Indication	R1 : Relay 1 ON for Under speed R2 : Relay 2 ON for Over speed

Input Specifications

Sensor Type	NPN
Input Type	5 to 30V DC from proximity switches, encoders, solid state devices, relays, potential free contacts
Set Points	2 (Under & Over Speed Set Points)
Accuracy	Rate : 0.05%
Scale Factor	0.001 to 9.999 x 10^n, n= -3, -2, -1, 0, 1, 2

Functional Specifications

Range	Auto ranging, RPH, RPM or RPS
Operating Modes	Under-speed, Over-speed, Dual-speed
Memory Retention	10 years

Output Specification

Relay Contact	2 C/O SPDT
Contact Rating	5A @ 230V AC / 24V DC

Auxiliary Supply Specifications

Supply Voltage	90 to 270V AC / DC

Environmental Specifications

Temperature	Operating : 0 to 55°C Storage : -20 to 75°C
Humidity (non - condensing)	95% RH
Protection	IP20

Mechanical Specifications

Mounting	Din Rail
Weight	196gms

Dimensions

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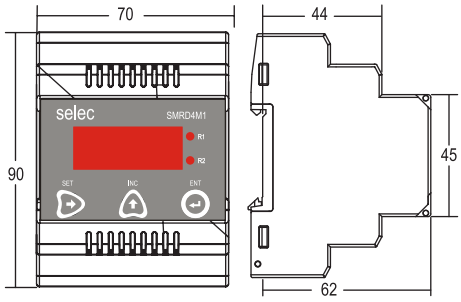
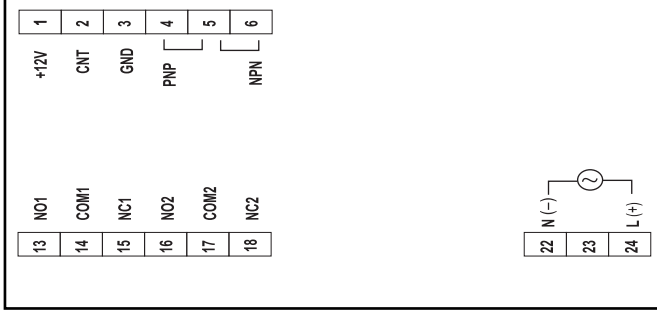


Terminal Connections



Compliance

Applicable EMI / EMC Standards		
Product Standard		
Category	**Reference Standards**	**Testing Level**
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Brust	IEC 61000-4-4	Level-3
Electromagnetic Field	IEC 61000-4-3	Level-3
Surge	IEC 61000-4-5	Level-3
Conducted RF	IEC 61000-4-6	Level-2
Rated Power Frequency	IEC 61000-4-8	Level-4
Voltage Dip / Short Interruptions	IEC 61000-4-11	Level-3
Conducted Emissions	CISPR-11	Class-B
Rated Emissions	CISPR-22	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	
PFMF (Passing criteria)	IEC 61000-4-8	Class A

Ordering Information

Product Code	Supply Voltage	Certification
SMRD4M1-2-U-CE	90 to 270V AC/DC	CE