



70 x 90mm

Features :

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

Certification :

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 |
|----------------|--------------------|

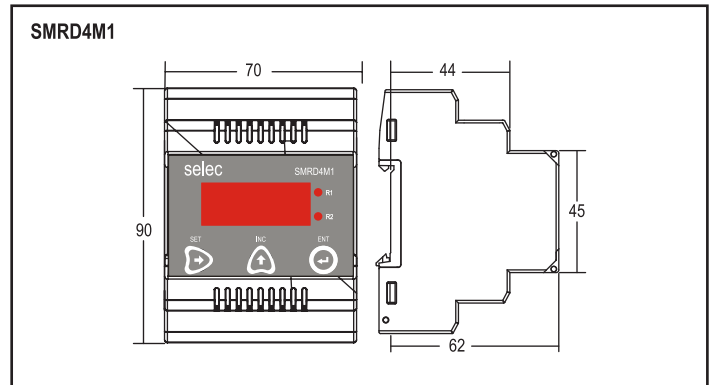
Environmental Specifications

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

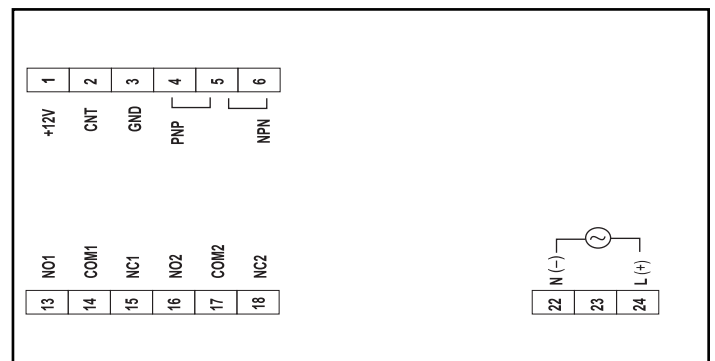
Mechanical Specifications

| | |
|----------|----------|
| Mounting | Din Rail |
| Weight | 196gms |

Dimensions



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 / Burst | 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 |