



70 x 90mm

Features:

- Under, Over, Dual speed
- 2 Relays output
- RPH, RPM, RPS ranges
- Scalable Input, Auto ranging

Certifications:

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 |

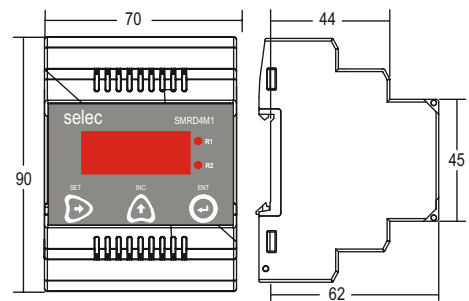
Mechanical Specifications

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

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 |

Dimensions



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 Relays, 1 C / O each rated 5A @ 230V AC / 24V DC |
|---------------|---|

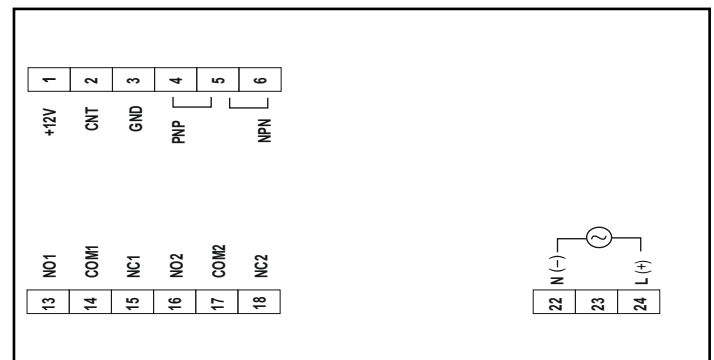
Auxiliary Supply Specifications

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

Terminal Connections



Compliance

| Applicable EMI / EMC Standards | | |
|--------------------------------|----------------|--|
| Product Standard : IEC 61326-1 | | |
| Category | | Standards Compliance |
| ESD Immunity | IEC 61000-4-2 | Level III |
| Surge Immunity | IEC 61000-4-5 | +/- 2kV common mode, +/- 1kV differential mode. |
| Radiated Susceptibility | IEC 61000-4-3 | Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz |
| Conducted Susceptibility | IEC 61000-4-6 | Level II |
| Voltage Dips and Interruptions | IEC 61000-4-11 | Dips : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) Interruptions : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C) |
| Conducted Emission | CISPR-11 | |
| Radiated Emission | CISPR-11 | |
| Electrical Fast Transient | IEC 61000-4-4 | Level III |

Ordering Information

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

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