On delay / Interval, 8 Time ranges



Operating Instruction

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DIN 22.5mm

Salient features

- **ON delay / Interval**
- **LED indications: Power ON, Relay ON**
- **8 Time ranges, Dual supply voltage**
- **Finger safe terminals**

Ordering information

Product code	Supply voltage	Certification
800SQ-A	230V AC & 24V AC/DC	

Caution

- This unit is not intended for outdoor use.
- The power connection cable must have a cross-section of atleast 1sq.mm and insulation capacity of atleast 1.5kV. Use lugged terminals to meet M3 screws.
- The output connections must not be loaded beyond the specified values/range.
- Avoid inflow of dust and contact of conductive material with the internal circuitry of the unit.
- Clean the equipment with a clean, soft cloth. Do not use any organic solvents.

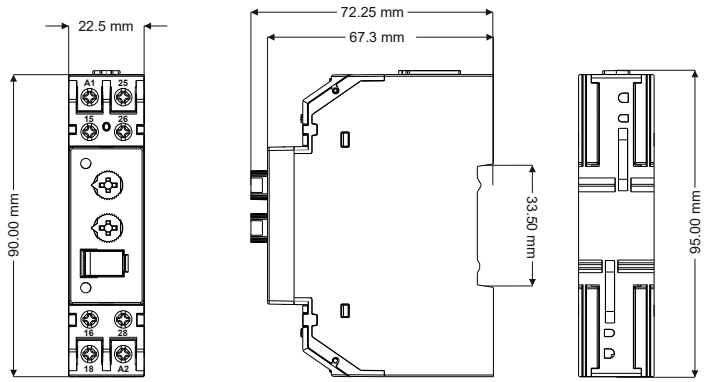
Wiring guidelines

Warning

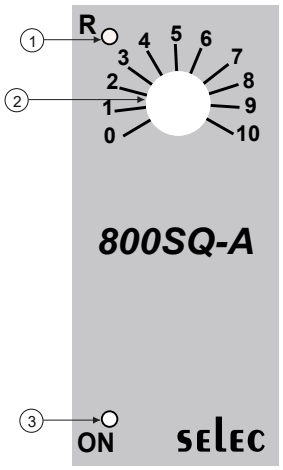
1. The Equipment is built-in type with class II construction and is protected by Reinforced Insulation. Terminals are a part of the front panel and are protected by means of finger guards. by Reinforced Insulation. Terminals are a part of the front panel and are protected by means of finger guards. Finger guards are not to be removed during wiring, installation, operation or maintenance.
2. The power should be turned off while wiring and maintenance to prevent the risk of electric shock. Do not touch any terminals when the power is ON.
3. Wiring shall be done strictly according to the terminal layout with shortest connections.
4. Fuse Protection: The equipment does not have Built-in fuse. External fuse of rating 275V DC/1 A is recommended.

Technical specifications	
Time setting range	3/10/30/60 Sec/Min (User selectable via Dip Switches)
Supply voltage	At A1- A2: 230VAC,50/60Hz Tolerance: ±10% At 25-A2: 24V (AC/DC)
Delay modes	On Delay / Interval
Contact type	SPDT (1C/O)
Contact capacity	250V AC, or 24V DC 5A resistive load
Electrical life of relay	100,000 operations
Mechanical life of relay	10,00,000 operations
Accuracy setting	±5% of full scale
Repeat	±0.5% of full scale
LED indication	Power 'ON', Relay 'ON'
Reset	On interruption of power. Reset time less than 100ms.
Weight	115 gms.
Connecting capacity	Rigid 1x4mm - 2x2.5mm
Flexible with ferrules	1x2.5mm - 2x1.5mm
Tightening torque	0.5 to 0.8 Nm
Size (in mm)	22.5(W) x 72.25(H) x 90(D)
Temperature	Operating: 0 to 50°C Storage: -20 to 75°C
Humidity	Up to 95%RH
Mounting	DIN rail / Wall mounting
Pollution degree	2

Panel dimensions

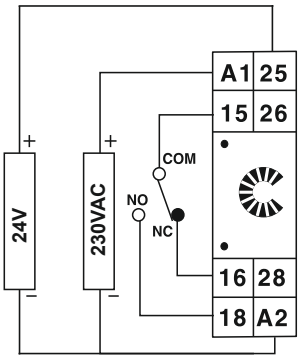


Front plate description



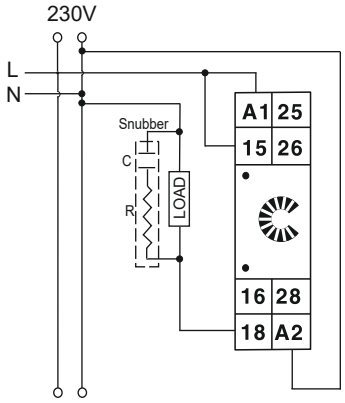
1. Red LED indicates relay ON.
2. Knob for run up time range selection
   (The marking 1 to 10 represent timing in proportion to the full scale time range.)
3. Red LED indicates Power ON.

Terminal connections

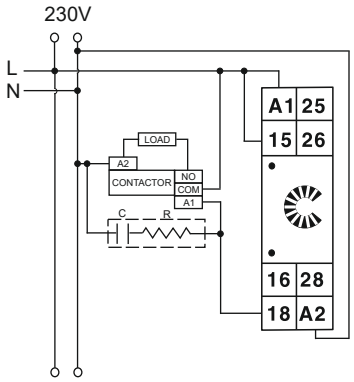


Typical load connection

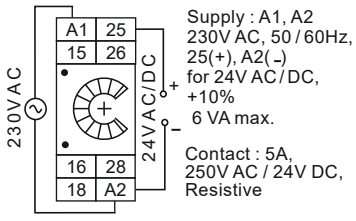
1. For load current less than 0.5A

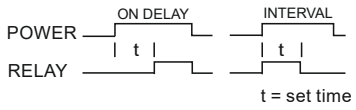


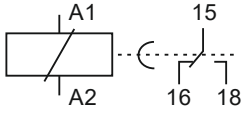
2. For bigger loads, use interposing relay/contactor.



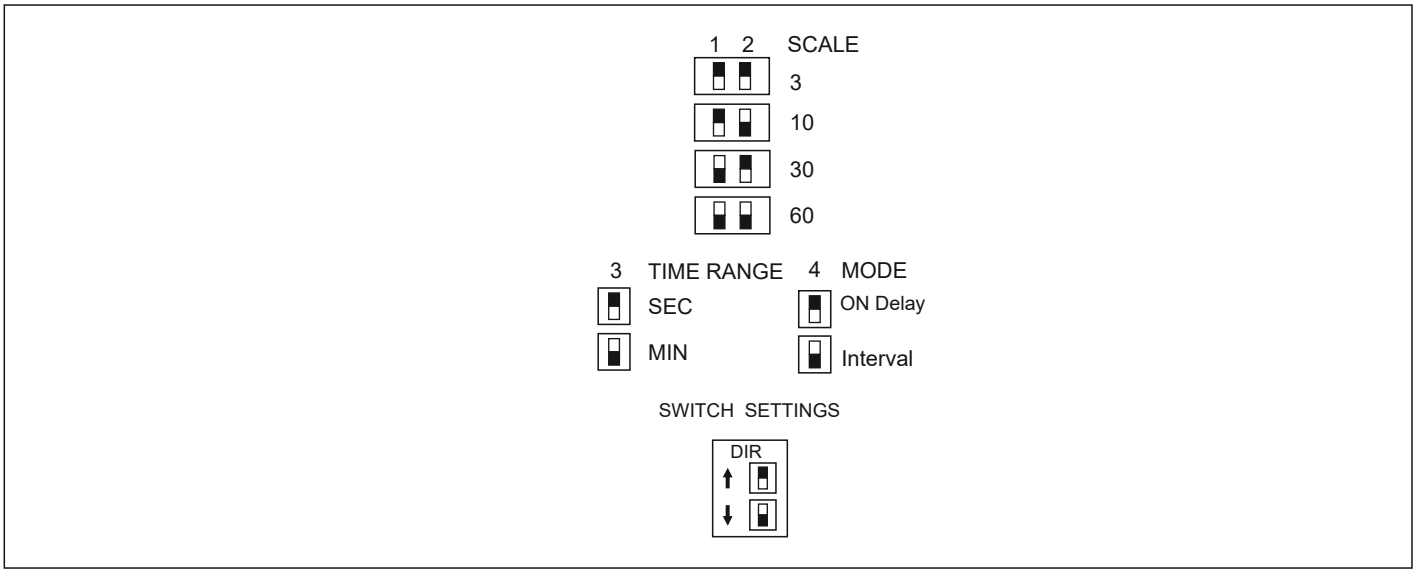
Product data







DIP switch setting for time range selection



Terminal description

Terminal	Description
A1	LINE 230V AC
A2	NEUTRAL / GND
15	RELAY COM
16	RELAY NC
18	RELAY NO
25	24V AC/DC SUPPLY

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