

# On delay / Interval, 12 Time Range



Operating Instruction

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DIN 22.5mm

### Salient features

- ON delay / Interval
- Wide time ranges
- LED Indications: Power ON, Relay ON
- Better repeat accuracy

### Ordering information

| Product code | Supply voltage               | Certification |
|--------------|------------------------------|---------------|
| 800XU        | 20 to 240V AC, 12 to 240V DC | ---           |

### Caution

- This unit is not intended for outdoor use.
- The power connection cable must have a cross-section of at least 1sq.mm and insulation capacity of at least 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.

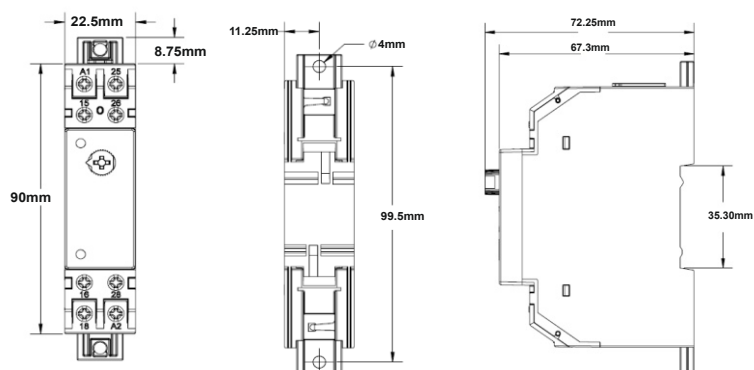
### Wiring guidelines

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 275 VDC/1 A is recommended.

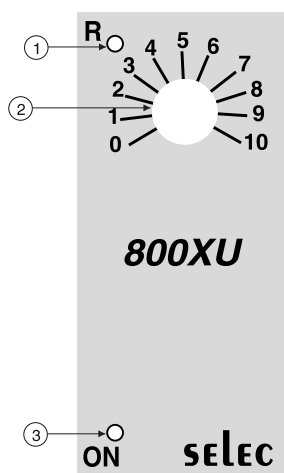
## SPECIFICATION

| Technical specifications |                                                          |
|--------------------------|----------------------------------------------------------|
| Time setting range       | 1/3/10/30 Sec/Min/Hrs (User selectable via Dip Switches) |
| Supply voltage           | 20V to 240V AC (50/60 Hz) 12V to 240V DC                 |
| Delay modes              | On Delay / Interval                                      |
| Contact type             | DPDT (2C/O)                                              |
| Contact capacity         | 250VAC, or 24VDC 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<br>Reset time less than 100ms   |
| Weight                   | 115 gm                                                   |
| 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 °C to 50 °C<br>Storage: -20 °C to 75 °C     |
| Humidity                 | Up to 95%RH                                              |
| Mounting                 | DIN rail / Wall mounting                                 |
| Pollution degree         | 2                                                        |

## Panel dimensions

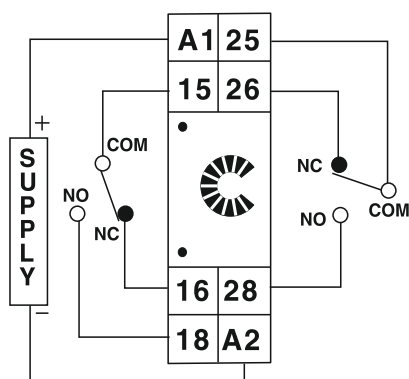


## Front plate description



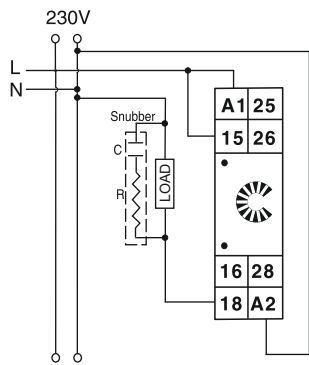
1. Red LED indicates Relay ON.
2. Knob for Run up Time Range Selection (The marking 1 to 10 represent timing in proportion to the full scale time range.)
3. Red LED indicates Power ON.

## Terminal connections

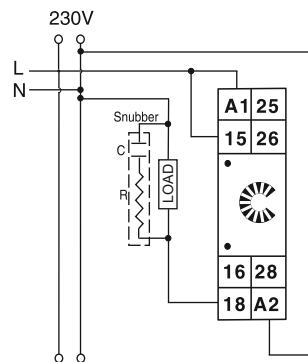


Typical load connection

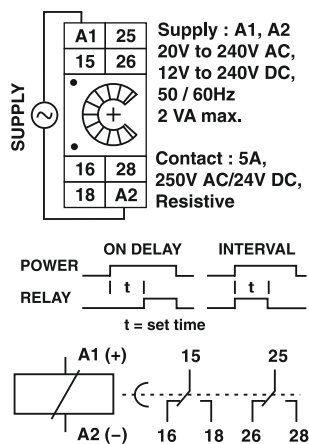
1. For load current less than 0.5A



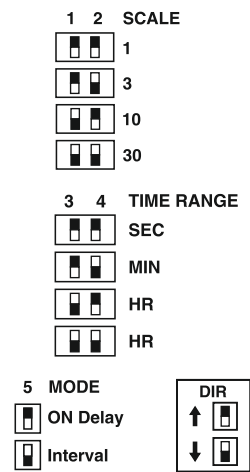
2. For bigger loads, use interposing relay/contactator



Product data



DIP Switch setting



Terminal description

| Terminal | Description |
|----------|-------------|
| A1       | LINE        |
| A2       | NEUTRAL     |
| 15       | RELAY COM1  |
| 16       | RELAY NC1   |
| 18       | RELAY NO1   |
| 25       | RELAY COM2  |
| 26       | RELAY NC2   |
| 28       | RELAY NO2   |

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