



Datasheet

Stock No. 102-6129

Interval (Single Shot), Multi-voltage Timer

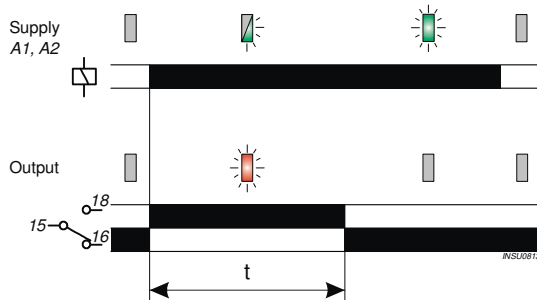


ENGLISH



- ❑ ***NEW*** 17.5mm DIN rail housing
- ❑ Supply Initiated **Interval (Single Shot)** timing function
- ❑ **7** Selectable time ranges (0.1 seconds – 100 hours)
- ❑ Fine adjustment of selected time range
- ❑ Multi-voltage input (12 – 230V AC/DC)
- ❑ 1 x SPDT relay output 8A
- ❑ Green LED indication for supply / timing status
- ❑ Red LED indication for relay status
- ❑ Conforms to IEC 61812

FUNCTION DIAGRAM



LED operation:



INSTALLATION AND SETTING

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as required.



Installation work must be carried out by qualified personnel.

Setting the unit.

- Set the "Range" ④ to the required position (depending on whether seconds, minutes or hours are required).
- Set the "Set %" adjustment ③ as required. The "Set %" is a % of the selected range; so for example, a 30% setting on the 1 – 10 hour range will give 3 hours.

Applying power.

- Apply power across terminals A1 and A2 and the green LED ① will start flashing indicating timing in progress.
- The relay will energise (contacts 15 / 16 open and 15 / 18 closed) and red LED ② illuminate.
- After the delay period "t" has elapsed, the relay will de-energise (contacts 15 / 16 and 15 / 18 open) and the red LED will extinguish.
- The green LED will now remain permanently lit.
- The whole timing process is repeated by removing and re-applying power.

Note:

¹ In accordance with IEC 61812, the green LED is permitted to extinguish during a voltage dip or momentary interruption of the power supply providing the state of the output relay does not change. The dip / interruption duration and levels are defined in the product standard.

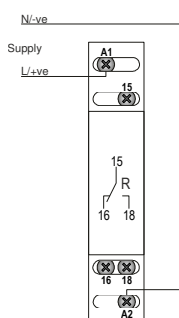
TECHNICAL SPECIFICATION

| | | | | |
|---|--|-----------------------|----------|-------|
| Supply voltage U (A1, A2): | 12 – 230V AC/DC | | | |
| Frequency range: | 48 – 63Hz (AC supplies) | | | |
| Supply variation: | +/- 15% | | | |
| Overvoltage category: | III (IEC 60664) | | | |
| Rated impulse withstand voltage: | 4kV (1.2/50µs) IEC 60664 | | | |
| Power consumption (max.): | 12V | 24V | 110V | 230V |
| | AC: 0.3VA | 0.4VA | 1.3VA | 3.4VA |
| | DC: 0.26W | 0.24W | 0.47W | 0.95W |
| Timing function: | Interval (Supply Initiated) | | | |
| Timing ranges (7): | Seconds: | Minutes: | Hours: | |
| | 0.1 – 1 | 0.1 – 1 | 0.1 – 1 | |
| | 1 – 10 | 1 – 10 | 1 – 10 | |
| | | | 10 – 100 | |
| Reset time: | 100ms | | | |
| Accuracy: | ± 1% of maximum full scale | | | |
| Adjustment accuracy: | < 5% of maximum full scale | | | |
| Repeat accuracy: | ± 0.5% at constant conditions (IEC 61812) | | | |
| Drift with temperature: | ± 0.05% / °C | | | |
| Drift with voltage: | ± 0.2% / V | | | |
| Power on indication / Timing ¹ : | Green LED | | | |
| Relay status | Red LED | | | |
| Ambient temp: | -20 to +60°C | | | |
| Relative humidity: | +95% | | | |
| Output (15, 16, 18): | SPDT relay | | | |
| Output rating: | AC1 | 250V 8A (2000VA) | | |
| | AC15 | 250V 5A (no), 3A (nc) | | |
| | DC1 | 25V 8A (200W) | | |
| Electrical life: | ≥ 150,000 ops at rated load | | | |
| Dielectric voltage: | 2kV AC (rms) IEC 60947-1 | | | |
| Rated impulse withstand voltage: | 4kV (1.2/50µs) IEC 60664 | | | |
| Housing: | Orange flame retardant UL94 | | | |
| Weight: | ≈ 60g | | | |
| Mounting option: | On to 35mm symmetric DIN rail to BS EN 60715 or direct surface mounting via 2 x M3.5 or 4BA screws using the black clips provided on the rear of the unit. | | | |
| Terminal conductor size | ≤ 2 x 2.5mm ² solid or stranded | | | |
| Approvals: | Conforms to IEC 61812. | | | |



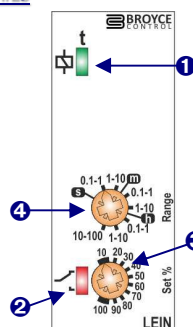
CE, C-tick and RoHS Compliant.
EMC: Immunity: EN 61000-6-2 (EN 61000-4-3 10V/m 80MHz - 2.7GHz)
Emissions: EN 61000-6-4

CONNECTION DIAGRAM



SETTING DETAILS

1. Power supply status / Timing (Green) LED
2. Relay output status (Red) LED
3. "Set %" adjustment
4. Time delay "Range" selector



DIMENSIONS

