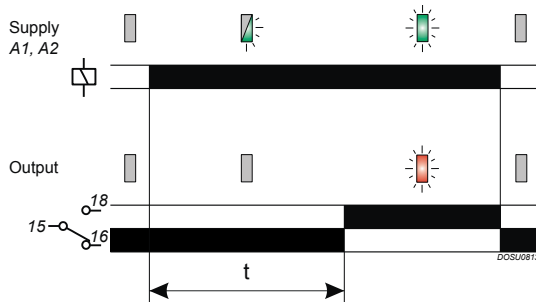


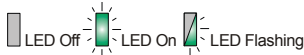


- \*NEW\* 17.5mm DIN rail housing
- Supply Initiated Delay On Operate timing function
- 7 Selectable time ranges (0.1 seconds – 100 hours)
- Fine adjustment of selected time range
- Multi-voltage input (12 – 230V AC/DC)
- 1 x SPDT relay output 8A
- Green LED indication for supply / timing status
- Red 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"  $\times$  to the required position (depending on whether seconds, minutes or hours are required).
- Set the "Set %" adjustment  $+$  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  $+$  will start flashing indicating timing in progress.
- The relay will remain de-energised (contacts 15 / 16 closed and 15 / 18 open) and red LED  $+$  extinguished.
- After the delay period "t" has elapsed, the relay will energise (contacts 15 / 16 open and 15 / 18 closed) and the red LED will illuminate.
- The green LED will remain permanently lit.
- The whole timing process is repeated by removing and re-applying power.

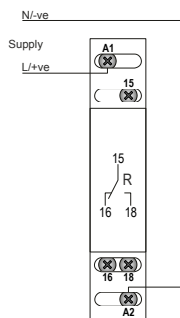
Note:

<sup>1</sup> 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

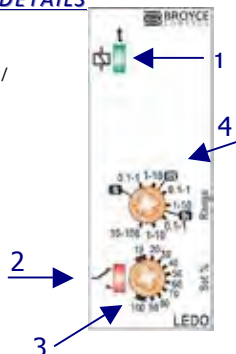
Supply voltage U (A1, A2):	12 – 230V AC/DC
Frequency range:	48 - 63Hz (AC supplies)
Supply variation:	+/- 15%
Overvoltage category:	III (IEC 60664)
Rated impulse withstand voltage:	4kV (1.2/50 $\mu$ s) IEC 60664
Power consumption (max.):	12V 24V 110V 230V
AC:	0.3VA 0.4VA 1.3VA 3.4VA
DC:	0.26W 0.24W 0.47W 0.95W
Timing function:	Delay On Operate (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:	$\pm$ 1% of maximum full scale
Adjustment accuracy:	< 5% of maximum full scale
Repeat accuracy:	$\pm$ 0.5% at constant conditions (IEC 61812)
Drift with temperature:	$\pm$ 0.05% / °C
Drift with voltage:	$\pm$ 0.2% / V
Power on indication / Timing <sup>1</sup> :	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:	$\geq$ 150,000 ops at rated load
Dielectric voltage:	2kV AC (rms) IEC 60947-1
Rated impulse withstand voltage:	4kV (1.2/50 $\mu$ s) IEC 60664
Housing:	Orange flame retardant UL94
Weight:	$\approx$ 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	$\leq$ 2 x 2.5mm <sup>2</sup> 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 cULus Listed

#### CONNECTION DIAGRAM



#### SETTING DETAILS

- Power supply status / Timing (Green) LED
- Relay output status (Red) LED
- "Set %" adjustment
- Time delay "Range" selector



#### DIMENSIONS

