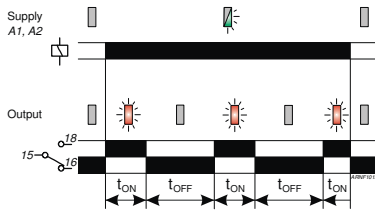


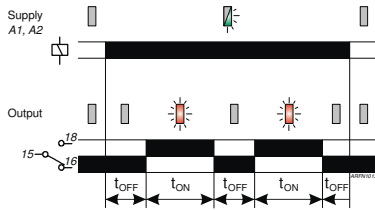
- ❑ *NEW* 17.5mm DIN rail housing
- ❑ Microprocessor based
- ❑ Recycling "On / Off" function AN (or "Off / On" AF when external link fitted)
- ❑ Separate adjustments for "on" and "off" ranges
- ❑ 7 Selectable time ranges (0.1 seconds – 100 hours)
- ❑ Fine adjustment of selected time range
- ❑ Multi-voltage 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 DIAGRAMS

Asymmetrical Recycling On / Off (AN)



Asymmetrical Recycling Off / On (AF) (terminals A1 and B1 linked)



INSTALLATION AND SETTING

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as required.
- If Asymmetrical Recycling "Off / On" is required, placed a link between terminals A1 and B1.



Installation work must be carried out by qualified personnel.

Setting the unit.

- Set the "t_{OFF}" ④ and "t_{ON}" ⑤ "Range" selectors to the required position (depending on whether seconds, minutes or hours are required).
- Set the "Set %" adjustment for the "t_{OFF}" ③ and "t_{ON}" ⑥ as required. The "Set %" is a % of the selected range, so 60% of the 1 – 10 hour range will give 6 hours.

Applying power.

- Apply power and the green LED ① will start flashing to indicate timing is in progress.
- The red relay LED ② will illuminate to indicate the relay is the energised state when the "t_{ON}" delay is running.
- When the "t_{OFF}" delay is running and relay is de-energised, the red LED will remain extinguished.

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 functions (2):

Asymmetrical Recycling "On / Off" (AN)

Asymmetrical Recycling "Off / On" (AF) (A1 > B1 linked)

Timing ranges (7):	Seconds:	Minutes:	Hours:
(applies to "t _{ON} " and "t _{OFF} ")	0.1 – 1	0.1 – 1	0.1 – 1
	1 – 10	1 – 10	1 – 10
			10 - 100

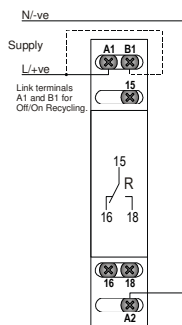
Reset time:	100mS
Accuracy:	± 1% of maximum full scale
Adjustment accuracy:	< 5% of maximum full scale
Repeat accuracy:	± 0.5% at constant conditions (IEC 61812)
Drift with temperature:	± 0.05% / °C
Drift with voltage:	± 0.2% / V

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)

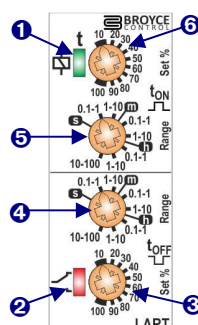
Electrical life:	≥ 150,000 ops at rated load
Dielectric voltage:	2kV AC (rms) IEC 60947-1
Rated impulse withstand voltage:	4kV (1.2/50µs) IEC 60664
Housing:	Orange flame retardant UL94 V0
Weight:	≈ 60g
Mounting option:	On to 35mm symmetric DIN rail to BS EN 60715 or direct surface mounting via 2 x M3.5 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. "t_{OFF}" delay "Set %" adjustment
4. "t_{OFF}" delay "Range" selector
5. "t_{ON}" delay "Set %" adjustment
6. "t_{ON}" delay "Range" selector



DIMENSIONS

