



- ENYA series
- 7 time ranges
- Wide input voltage range
- 1 change over contact
- Width 17.5 mm
- Installation design



## Technical data

### 1. Functions

- lp Asymmetric flasher pause first
- li Asymmetric flasher pulse first (A1-B1 bridged)

### 2. Time ranges

Time range	Adjustment range	
1s	50ms	1s
10s	500ms	10s
1min	3s	1min
10min	30s	10min
1h	3min	1h
10h	30min	10h
100h	5h	100h

### 3. Indicators

- Green LED U/t ON: indication of supply voltage
- Green LED U/t slow flashing: indication of time period t1
- Green LED U/t fast flashing: indication of time period t2
- Yellow LED R ON/OFF: indication of relay output

### 4. Mechanical design

- Self-extinguishing plastic housing, IP rating IP40
- Mounted on DIN-rail TS 35 according to EN 60715
- Mounting position: any
- Shockproof terminal connecting according to VBG 4 (PZ1 required), IP rating IP20
- Tightening torque: max. 1N
- Terminal capacity:
  - 1 x 0.5 to 2.5mm<sup>2</sup> with /without multicore cable end
  - 1 x 4mm<sup>2</sup> without multicore cable end
  - 2 x 0.5 to 1.5mm<sup>2</sup> with/without multicore cable end
  - 2 x 2.5mm<sup>2</sup> flexible without multicore cable end

### 5. Input circuit

- Supply voltage: terminals A1(+)-A2  
12 to 240V AC/DC
- Tolerance: -10% to +10%
- Rated consumption: 4VA (1.5W)
- Rated frequency: AC 48 to 63Hz
- Duty cycle: 100%
- Reset time: 100ms
- Residual ripple to DC: 10%
- Drop-out voltage: >30% of the supply voltage
- Overvoltage category: III (in accordance with IEC 60664-1)
- Rated surge voltage: 4kV

### 6. Output circuit

- 1 potential free change over contact
- Rated voltage: 250V AC
- Switching capacity: 2000VA (8A / 250V)
- Fusing: 8A fast acting
- Mechanical life: 20 x 10<sup>6</sup> operations
- Electrical life: 2 x 10<sup>5</sup> operations at 1000VA resistive load
- Switching frequency: max. 6/min at 1000VA resistive load (in accordance with IEC 60947-5-1)
- Overvoltage category: III (in accordance with IEC 60664-1)
- Rated surge voltage: 4kV

### 7. Control input

- Input not potential free: terminals A1-B1
- Loadable: yes
- Max. line length: 10m
- Trigger level (sensitivity): automatic adaption to supply voltage

### 8. Accuracy

- Base accuracy: ±1% maximum scale value
- Adjustment accuracy: <5% maximum scale value
- Repetition accuracy: <0.5% or ±5ms
- Voltage influence: -
- Temperature influence: ≤0.01% / °C

### 9. Ambient conditions

- Ambient temperature: -25 to +55°C
- Storage temperature: -25 to +70°C
- Transport temperature: -25 to +70°C
- Relative humidity: 15% to 85% (in accordance with IEC 60721-3-3 class 3K3)
- Pollution degree: 2, if built-in 3 (in accordance with IEC 60664-1)

### 10. Weight

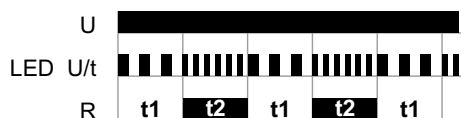
- Single packing: 72g
- Package 10pcs: 670g per Package

## Functions

### Asymmetric flasher pause first (lp)

When the supply voltage U is applied, the set interval t1 begins (green LED U/t flashes slowly). After the interval t1 has expired, the output relay R switches into on-position (yellow LED illuminated) and the set interval t2 begins (green LED U/t flashes fast). After the interval t2 has expired, the output relay switches into off-position (yellow LED not illuminated).

The output relay is triggered at the ratio of t1:t2 until the supply voltage is interrupted.



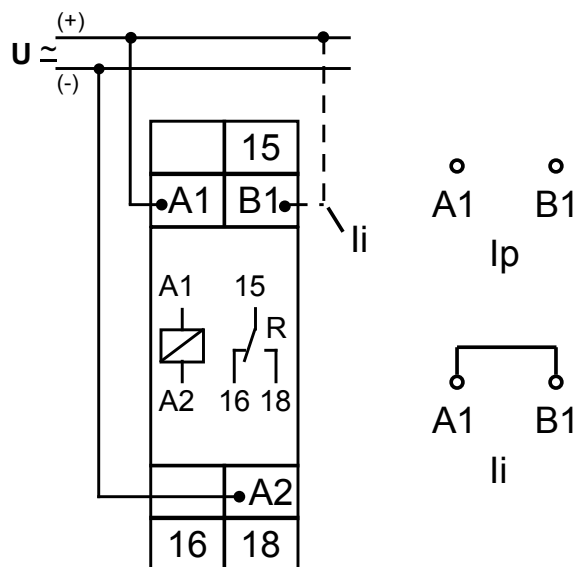
### Asymmetric flasher pulse first (li)

When the supply voltage U is applied, the output relay R switches into on-position (yellow LED illuminated) and the set interval t1 begins (green LED U/t flashes slowly). After the interval t1 has expired, the output relay switches into off-position (yellow LED not illuminated) and the set interval t2 begins (green LED U/t flashes fast). After the interval t2 has expired, the output relay switches into on-position (yellow LED illuminated).

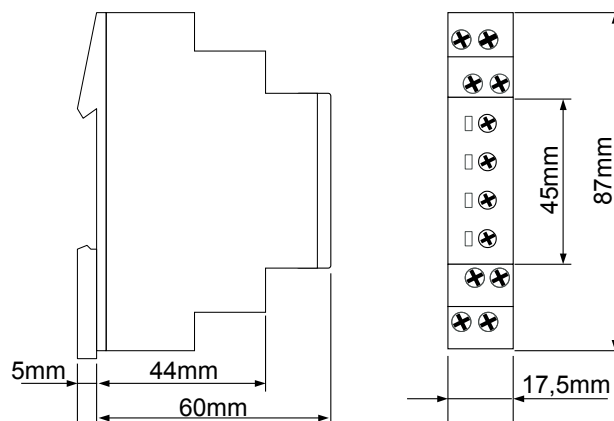
The output relay is triggered at the ratio of t1:t2 until the supply voltage is interrupted.



## Connections



## Dimensions



## Ordering Informations

Types	Functiones	Supply Voltage	Part. No.
E1ZI10 12-240V AC/DC	lp, li	12-240V AC/DC	110101

RELEASE 2009/07

Subject to alterations and errors