Timers - Asymmetric flasher

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

Technical data

1. Functions
   - Ip: Asymmetric flasher pause first
   - Ii: Asymmetric flasher pulse first
   (A1-B1 bridged)

2. Time ranges
   - Time range: Adjustment range
   - 1s: 500ms 1s
   - 10s: 500ms 10s
   - 1min: 3s 1min
   - 10min: 3s 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
   - Shockproof terminal connecting according to VBG 4 (PZ1 required), IP rating IP20
   - Tightening torque: max. 1Nm
   - Terminal capacity:
     - 1 x 0.5 to 2.5mm²: with/without multicore cable end
     - 1 x 4mm²: without multicore cable end
     - 2 x 0.5 to 1.5mm²: with/without multicore cable end
     - 2 x 2.5mm²: flexible without multicore cable end

5. Input circuit
   - Supply voltage: terminals A1(+-)A2
     - 12 to 240V AC/DC
   - Tolerance: -10% to +10%
   - Rated consumption: 4V (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: 2 x 10⁸ operations
   - Electrical life: 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 80664-1)

10. Weight
    - Single packaging: 72g
    - Package 10pcs: 670g per Package

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Functions

Asymmetric flasher pause first (Ip)
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.

Dimensions

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Subject to alterations and errors

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