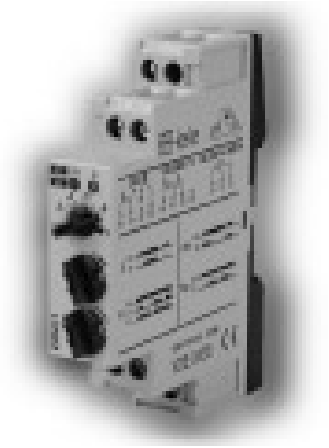
- Installation design
- Width 17.5mm
- 4 functions
- 6 time ranges
- 1 change over contact



Technical data

1. Functions

E	ON delay
R	OFF delay with control contact
Wu	Single shot leading edge voltage controlled
Bp	Flasher pause first

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

3. Indicators

Green LED ON: indication of supply voltage
Yellow LED 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 50022
Mounting position: any
Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20
Initial 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:

24V DC	terminals A1(+)-A3
24V AC	terminals A1-A3
110V to 240V AC	terminals A1-A2

Tolerance:

24V DC	±10%
24V AC	-15% to +10%
110V to 240V AC	-15% to +10%

Rated frequency: 48 to 63Hz
Rated consumption:

24V AC/DC	1.5VA (1W)
110V AC	2VA (1W)
230V AC	8VA (1.3W)

Duration of operation: 100%
Reset time: 100ms
Residual ripple for DC: 10%
Drop-out voltage: >30% of the supply voltage

6. Output circuit

1 potential free change over contact
Switching capacity (distance < 5mm): 750VA (3A / 250V AC)
Switching capacity (distance > 5mm): 1250 VA (5A / 250V AC)
Fusing: 8A fast acting
Mechanical life: 20 x 10^6 operations
Electrical life: 2 x 10^5 operations at 1000VA resistive load
Switching frequency: max. 60/min at 100VA resistive load
max. 6/min at 1000VA resistive load (according to IEC 947-5-1)
Insulation voltage: 250V AC (according to IEC 664-1)
Surge voltage: 4kV, overvoltage category III (according to IEC 664-1)

7. Control contact

Connection: not potential free, terminals A1-B1
Loadable: yes, parallel load min. 1VA (0.5W) terminals A2-B1
Line length: max. 10m
Control pulse length: DC min. 20ms
AC min. 50ms

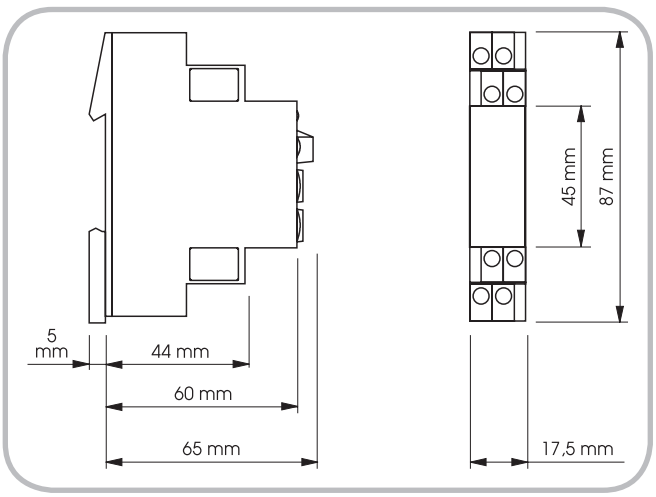
8. Accuracy

Base accuracy: ±1% (of maximum scale value)
Adjustment accuracy: ≤5% (of 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 (according to IEC 68-1)
Storage temperature: -25 to +70°C
Transport temperature: -25 to +70°C
Relative humidity: 15% to 85% (according to IEC 721-3-3 class 3K3)
Pollution degree: 2, if built-in 3 (according to IEC 664-1)

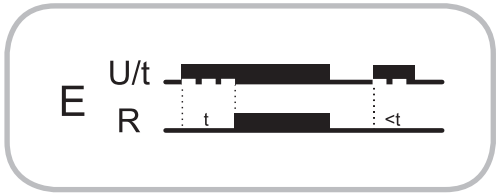
10. Dimensions



Functions

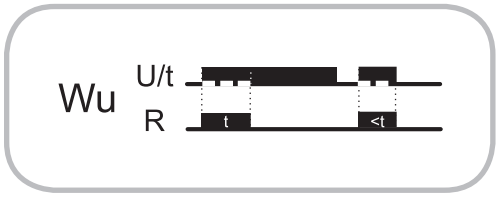
ON delay (E)

When the supply voltage U is applied (green LED illuminated), the set interval t begins. After the interval t has expired, the output relay R switches into on-position (yellow LED illuminated). This status remains until the supply voltage is interrupted.
If the supply voltage is interrupted before the expiry of the interval t, the interval already expired is erased and is restarted when the supply voltage is next applied.



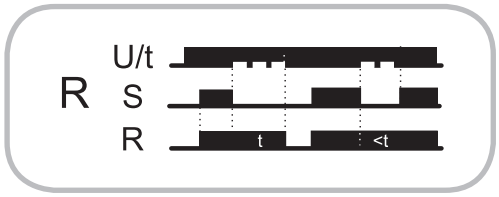
Single shot leading edge voltage controlled (Wu)

When the supply voltage U is applied (green LED illuminated), the output relay R switches into on-position (yellow LED illuminated) and the set interval t begins. After the interval t has expired the output relay switches into off-position (yellow LED not illuminated). This status remains until the supply voltage is interrupted.
If the supply voltage is interrupted before the interval t has expired, the output relay switches into off-position. The interval already expired is erased and is restarted when the supply voltage is next applied.



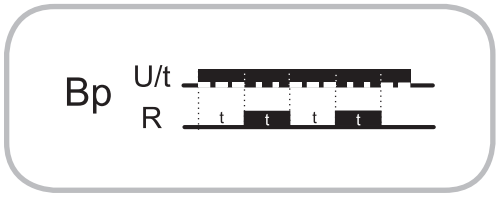
OFF delay with control contact (R)

The supply voltage U must be constantly applied to the device (green LED illuminated).
When the control contact S is closed, the output relay R switches into on-position (yellow LED illuminated). If the control contact is opened, the set interval t begins. After the interval t has expired, the output relay switches into off-position (yellow LED not illuminated).
If the control contact is closed again before the interval t has expired, the interval already expired is erased and is restarted with the next cycle.



Flasher pause first (Bp)

When the supply voltage U is applied (green LED illuminated), the set interval t begins. After the interval t has expired, the output relay R switches into on-position (yellow LED illuminated) and the set interval t begins again. After the interval t has expired, the output relay switches into off-position (yellow LED not illuminated).
The output relay is triggered at a ratio of 1:1 until the supply voltage is interrupted.



Connections