

Main

| | |
|-------------------------------|--|
| range of product | Zelio Time |
| product or component type | Universal timing relay |
| electrical connection | Plug-in sub-base with 8 pin(s) |
| discrete output type | Relay |
| contacts type and composition | 1 C/O (timed contact) |
| component name | RE88857 |
| time delay type | D B Di H A C |
| time delay range | 3599640 s 359964 s 59994 s 99.99 s 5999.4 s 599940 s 35996400 s 999.9 s 5999 s 359940 s 9999 s |
| [In] rated current | 8 A |
| display type | LCD |

Complementary

| | |
|--------------------------------|---|
| product front plate size | 48 x 48 mm |
| [Us] rated supply voltage | 110...240 V AC 24 V AC/DC |
| voltage range | 0.85...1.1 Us |
| display digits | 4 digit(s) of 8 mm height |
| housing material | Self-extinguishing |
| repeat accuracy | +/- 0.03 % +/- 20 ms |
| setting accuracy of time delay | +/- 0.03 % +/- 20 ms of full scale |
| minimum pulse duration | 50 ms |
| reset time | <= 0.05 ms during time delay, on de-energisation <= 0.05 ms after time delay, on de-energisation |
| power consumption in VA | 1 VA at 24 V 3.5 VA at 110 V 11 VA at 220 V |
| power consumption in W | 0.5 W at 24 V |
| breaking capacity | <= 2000 VA for resistive load |
| breaking capacity | <= 190 W for resistive load |
| maximum switching voltage | 250 V AC 30 V DC |
| temporary permissible current | 15 A for < 10 s |
| minimum output current | 100 mA |
| electrical durability | 100000 cycles at 250 V AC for resistive load |
| mechanical durability | 5000000 cycles |
| mounting support | Base mounted: socket Panel mounted: system supplied with the product |

| | |
|------------------|--------|
| local signalling | None |
| product weight | 0.1 kg |

Environment

| | |
|---------------------------------------|-----------------------------------|
| immunity to microbreaks | < 30 ms |
| standards | VDE 0435 IEC 60255 VDE 2021 |
| product certifications | CURus CSA |
| ambient air temperature for storage | -30...70 °C |
| ambient air temperature for operation | -10...60 °C |
| IP degree of protection | IP65 (front panel) |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Function A : Power on Delay Relay

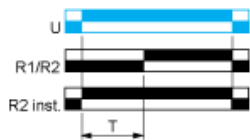
Description

The timing period T begins on energisation. After timing, the output(s) R close(s). The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



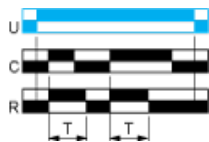
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function B : Interval Relay with Control Signal

Description

After power-up, pulsing or maintaining control contact C starts the timing T. The output R closes for the duration of the timing period T then reverts to its initial state.

Function: 1 Output

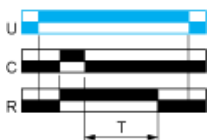


Function C : Off-Delay Relay with Control Signal

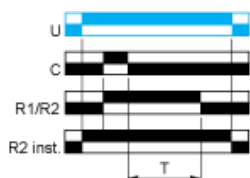
Description

After power-up and closing of the control contact C, the output R closes. When control contact C re-opens, timing T starts. At the end of the timing period, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



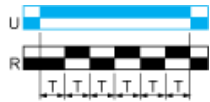
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D : Symmetrical Flasher Relay (Starting Pulse Off)

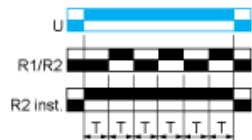
Description

Repetitive cycle with two timing periods T of equal duration, with output(s) R changing state at the end of each timing period T. The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Di : Symmetrical Flasher Relay (Starting Pulse On)

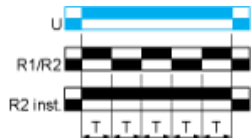
Description

Repetitive cycle with two timing periods T of equal duration, with output(s) R changing state at the end of each timing period T. The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function H : Interval Relay

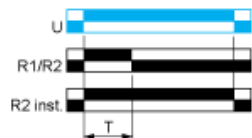
Description

On energisation of the relay, timing period T starts and the output(s) R close(s). At the end of the timing period T, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output





Function: 2 Outputs





2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Legend

 Relay de-energised

 Relay energised

 Output open

 Output closed

C Control contact

G Gate

R Relay or solid state output

R1/ 2 timed outputs

R2

R2 The second output is instantaneous if the right position is selected
inst.

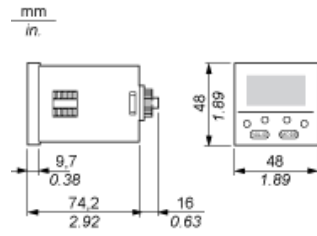
T Timing period

Ta Adjustable On-delay

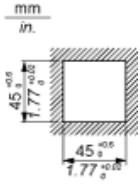
Tr Adjustable Off-delay

U Supply

Width 48 mm

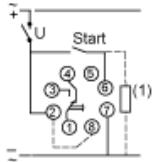


Panel Cut-Out



Wiring Diagram

Terminal Referencing



1 Another load may be connected

Internal Wiring Diagram

