



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Zelio Time   |
| Product or component type     | Universal timing relay   |
| Electrical connection         | Plug-in sub-base with 11 pin(s)  |
| Discrete output type          | Relay  |
| Contacts type and composition | 1 C/O (timed contact)  |
| Component name                | RE88857  |
| Time delay type               | A<br>B<br>C<br>D<br>Di<br>H  |
| Time delay range              | 3599640 s<br>35996400 s<br>359940 s<br>359964 s<br>5999 s<br>5999.4 s<br>59994 s<br>599940 s<br>9999 s<br>99.99 s<br>999.9 s |
| [In] rated current            | 8 A  |
| Display type                  | LCD  |

### Complementary

|                                |   |
|--------------------------------|---|
| Product front plate size       | 48 x 48 mm  |
| [Us] rated supply voltage      | 24 V AC/DC<br>110...240 V AC  |
| 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<br><= 0.05 ms after time delay, on de-energisation |
| Power consumption in VA        | 3.5 VA at 110 V<br>11 VA at 220 V<br>1 VA at 24 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      | 30 V DC<br>250 V AC   |
| 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<br>Panel mounted: system supplied with the product                             |

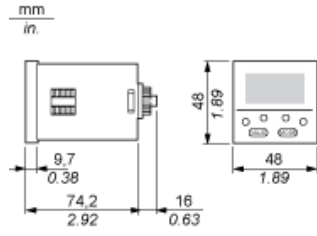
The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                  |        |
|------------------|--------|
| Local signalling | None   |
| Product weight   | 0.1 kg |

## Environment

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Immunity to microbreaks               | < 30 ms                           |
| Standards                             | IEC 60255<br>VDE 0435<br>VDE 2021 |
| Product certifications                | CSA<br>CURus                      |
| Ambient air temperature for storage   | -30...70 °C                       |
| Ambient air temperature for operation | -10...60 °C                       |
| IP degree of protection               | IP65 (front panel)                |

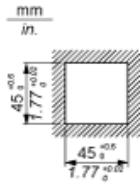
Width 48 mm



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Panel Cut-Out

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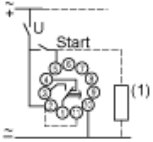


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Wiring Diagram

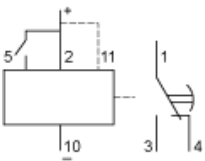
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Terminal Referencing



1 Another load may be connected

Internal Wiring Diagram



Function A : Power on Delay Relay

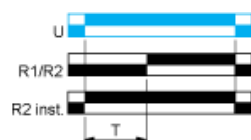
Description

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

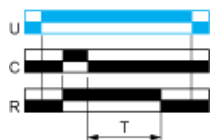


Function C : Off-Delay Relay with Control Signal

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)

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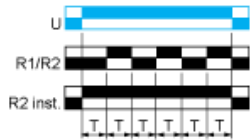
### Description

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)

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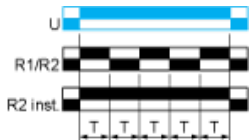
### Description

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

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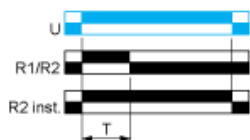
### Description

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

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 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