Product data sheet

Specifications

universal plug-in timing relay - 24..48 V AC/DC - 1 C/O

RE88857103

Discontinued on: Dec 2, 2020

End-of-service on: Dec 31, 2020

Discontinued

Main

Range of Product	Zelio Time
Product or Component Type	Universal timing relay
Electrical connection	Plug-in sub-base 11
Discrete output type	Relay
Contacts type and composition	1 C/O timed contact
Component name	RE88857
Time delay type	H B C A Di D
Time delay range	359964 s 35996400 s 359940 s 3599640 s 999.9 s 599940 s 5999.4 s 9999 s 99.99 s 59994 s 5999 s
Line Rated Current	8 A
Display Type	LCD

Complementary

Product front plate size	48 x 48 mm
[Us] rated supply voltage	12 V DC 24...48 V AC/DC
Voltage range	0.85...1.1 Us
Display digits	4 - 0.3 in (8 mm)
Housing material	Polycarbonate
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 after time delay, on de-energisation 0.05 ms during time delay, on de-energisation

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Power consumption in VA	1 VA 24 V 2 VA 48 V
Maximum power consumption in W	1 W 48 V 0.5 W 12 V 0.5 W 24 V
Breaking capacity	2000 VA resistive
Breaking capacity	190 W resistive)
Maximum switching voltage	250 V AC 30 V DC
Temporary permissible current	15 A < 10 s
Minimum output current	100 mA
Electrical durability	100000 cycles 250 V AC resistive
Mechanical durability	5000000 cycles
Mounting Support	Base mounted: socket Panel mounted: system supplied with the product
Local signalling	None
Net Weight	0.2 lb(US) (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	-22…158 °F (-30…70 °C)
Ambient Air Temperature for Operation	14…140 °F (-10…60 °C)
IP degree of protection	IP65 front panel)

Ordering and shipping details

GTIN	3389110279634

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**Eacae435-a913-4cb7-91f9-1611e08cac07**
California proposition 65	**WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

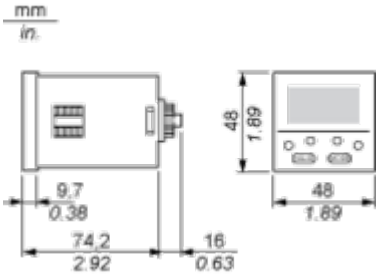
Use Longer

Lifetime extension

Repair	**No**

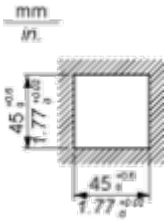
Dimensions Drawings

Width 48 mm



Mounting and Clearance

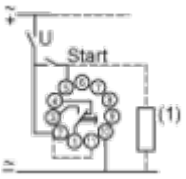
Panel Cut-Out



Connections and Schema

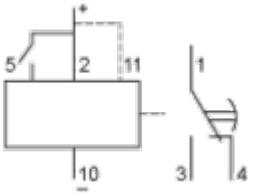
Wiring Diagram

Terminal Referencing



1 Another load may be connected

Internal Wiring Diagram



Technical Description

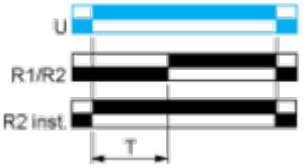
Function A : Power on Delay Relay

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.

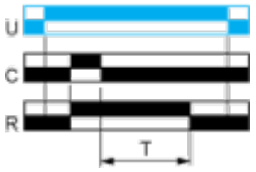
Function: 1 Output

Function C : Off-Delay Relay with Control Signal

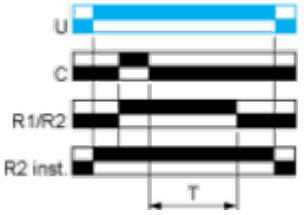
Description

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



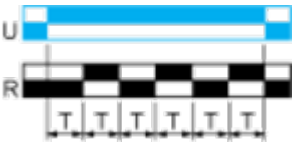
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.)

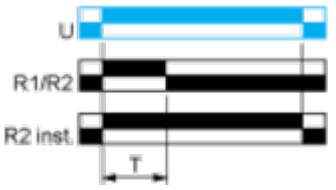
Function H : Interval Relay

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/R2	2 timed outputs
R2 inst.	The second output is instantaneous if the right position is selected
T	Timing period
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
U	Supply