



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	2 C/O (timed or instantaneous contact) 2 C/O (timed contact)
Component name	RE88857
Time delay type	A1 A2 AM AMt
Time delay range	3599640 s 35996400 s 359940 s 359964 s 5999 s 5999.4 s 59994 s 599940 s 9999 s 99.99 s 999.9 s
[In] rated current	8 A
Display type	LCD

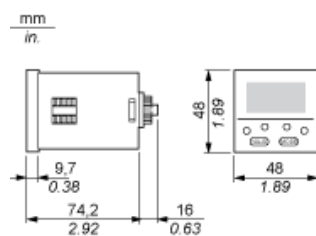
Complementary

Product front plate size	48 x 48 mm
[Us] rated supply voltage	42...48 V AC/DC 12 V 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	2 VA at 48 V
Power consumption in W	0.5 W at 12 V 1 W at 48 V
Breaking capacity	<= 2000 VA for resistive load
Breaking capacity	<= 190 W for resistive load
Maximum switching voltage	30 V DC 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 Panel mounted: system supplied with the product
Local signalling	None
Product weight	0.14 kg

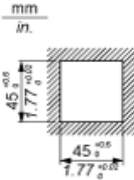
Environment

Immunity to microbreaks	< 30 ms
Standards	IEC 60255 VDE 0435 VDE 2021
Product certifications	CSA 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

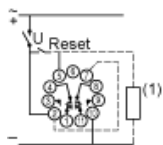


Panel Cut-Out



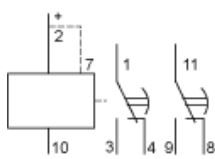
Wiring Diagram

Terminal Referencing



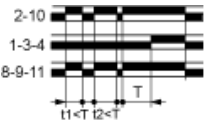
- 1 Another load may be connected

Internal Wiring Diagram



Function A1: Delay on Energisation

The timing period T begins on energisation. After timing, the output closes. The second output is instantaneous.

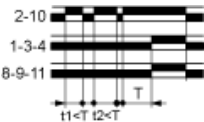


- 1 timed contact.
- 1 instantaneous contact.

Function A2: Delay on Energisation

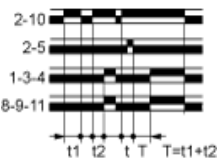
Description

The timing period T begins on energisation. After timing, the output closes.



Function AM: Delay on Energisation

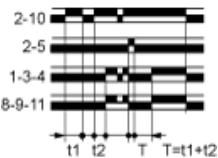
Description



Memory during the time delay period. Reset

Function AMt: Delay on Energisation

Description



Memory during and after the time delay period. Reset.

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