

Universal supply voltage 10 functions:

- 5 time functions controlled via supply voltage
- 4 time functions controlled via control input
- 1 function of memory (latching) relay

Time scale 0,1 s - 10 days divided into 10 ranges: (0,1s – 1s / 1s – 10s / 0,1min – 1 min / 1 min – 10min / 0,1h – 1 h / 1h – 10h / 0,1day – 1 day / 1day – 10days / only ON / only OFF). Output contact: 1 x 16A changeover.

Output indication: multifunction red LED flashing at certain states.

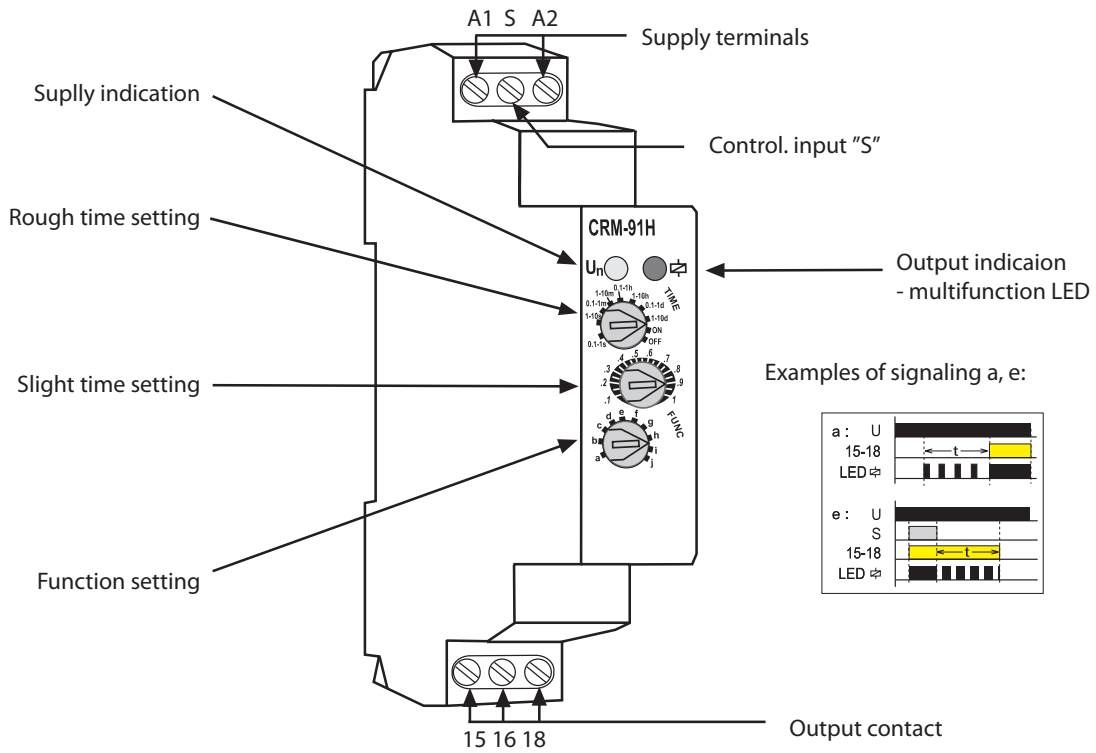
Technical data

Number of functions	10
Supply	A1 - A2
Supply voltage	AC/DC 12 - 240 V (AC 50 - 60 Hz)
Consumption	AC 0.7 3 VA / DC 0.5 1.7 W
Supply voltage tolerance	-15% ; +10%
Supply Indication	green LED
Time ranges	0,1 s - 10 Days
Time setting	rotary switch
Time deviation	5% mechanical setting
Repeat accuracy	0,2% - set value stability
Temperature coefficient	0,01% / °C, at 20°C
Output	
Changeover contacts	1
Rated current	16A / AC1
Breaking capacity	4000VA / AC1, 384 W/DC
Inrush current	30A / <3s
Switching voltage	250V AC1 / 24V DC
Min.breaking capacity DC	500 mW
Output indication	multifunction red LED
Mechanical life	3 x 10 ⁷
Electrical life	0,7 x 10 ⁵
Controlling	
Control voltage	AC/DC 12 - 240V
Consumption of input	AC 0,025 - 0,2VA / DC 0,1 - 0,7W
Load between S-A2	yes
Glow tubes	no
Control terminals	A1 - S
Impulse lenght	min. 25 ms / max. unlimited
Reset time	max. 150 ms
Operating temperature	-20 ... +55°C
Storing temperature	-30 ... +70°C
Electrical strenght	2,5kV
Operation position	optional
Mounting	EN 60715
Protection degree	IP40
Overvoltage cathegory	III.
Pollutiondegree	2
Max. cable size	2,5 mm ²
Dimension	90 x 17,6 x 65 mm
Weight	68 g
Standards	EN 61812-1, EN 50081, EN 61010-1

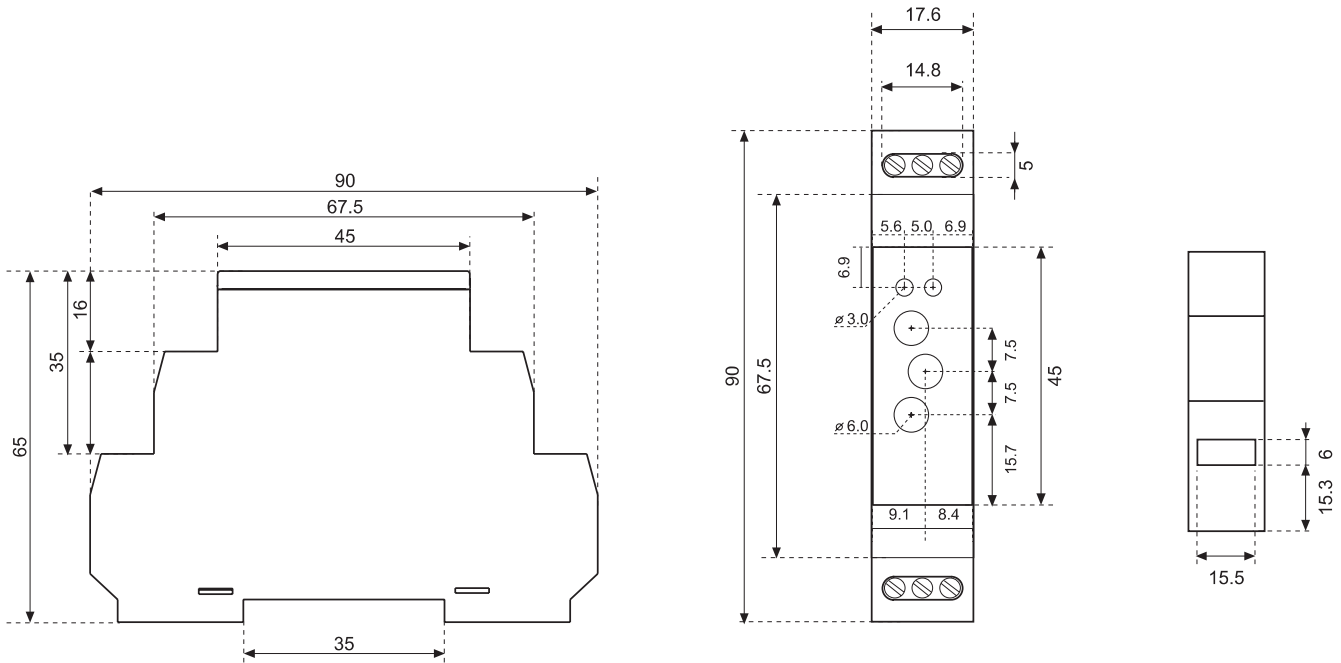


Order number	CRM91H0
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Description



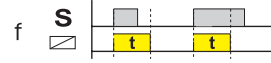
Dimensional drawing of CRM 91 H UNI



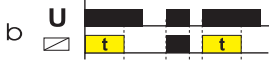
Functions



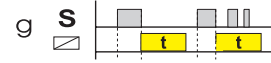
a Delay ON after energisation.



f Delay OFF responding to make of control regardless its length.



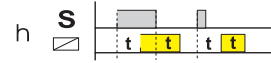
b Delay OFF after energisation.



g Delay OFF after of control contact with instant output.



c Cycle beginning with pause after energisation.



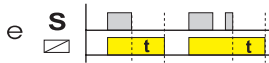
h Delay OFF after make and break of control contact.



d Cycle beginning with impulse after energisation.



i Memory (latching) relay.



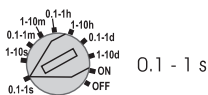
e Delay OFF after de-energisation, instant make of output.



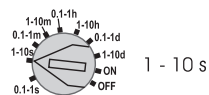
PULS = 0.5 s

j Pulse generator.

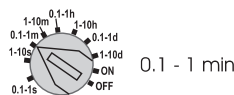
Times ranges



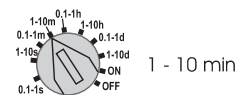
0.1 - 1 s



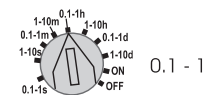
1 - 10 s



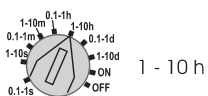
0.1 - 1 min



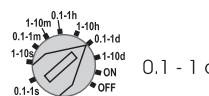
1 - 10 min



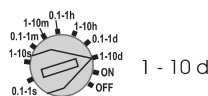
0.1 - 1 h



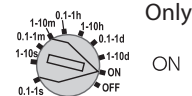
1 - 10 h



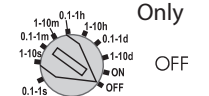
0.1 - 1 d



1 - 10 d



Only ON

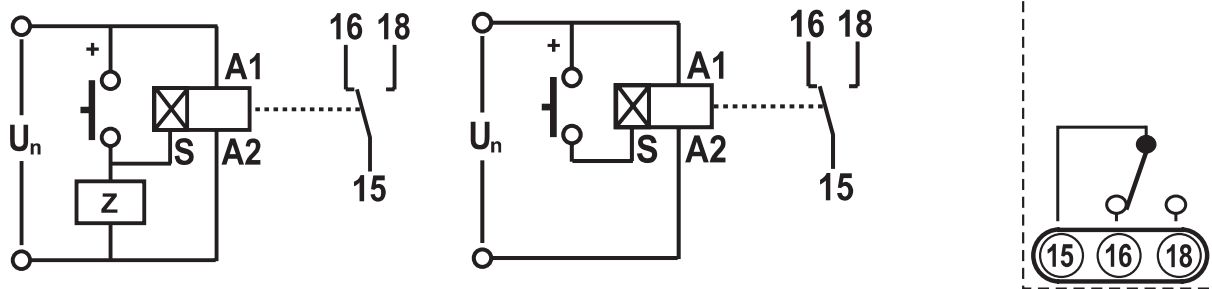


Only OFF

Connection scheme

Load with control. Input possible.

Load between S-A2 possible to connect in parallel way, without disturbing of proper operation of the relay.



Examples of application:

For electrical appliances with the need to change status by the exact timing:

- lighting
- heating
- motors, pumps
- machines, mechanisms ...

