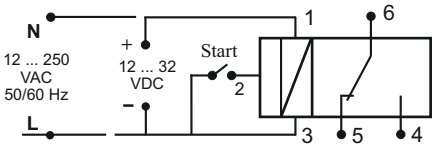
AUTOMATISMOS
Control y Programación S.L.U.

ANALOG TIMER

MULTIVOLTAGE, MULTISCALE AND MULTIFUNCTION

ZMMV11



1 - 3	Power supply 12 to 250 VAC and 12 to 32 VDC
2 - 3	Start
4 - 5 - 6	Changeover contact output

- Multivoltage - Multifunction
- Time range from 0.1 seconds to 10 days
- 10 time scales
- 10 operating modes
- Output status LED
- Power supply LED
- Control input
- 1 changeover relay output
- 1-module housing (17.5 mm)
- DIN rail mounting



CE

SPECIFICATIONS

Housing	Grey colour UL94 - H - B Polyamide PA6-15% PV
Mounting	DIN rail
Format	1 module 17.5mm x 90mm x 58.5mm
Weight	72 g

POWER SUPPLY

Consumption	1.7 W
Voltage	12 ... 250 VAC ; 12 ... 32 VDC

OUTPUT

Output	1 changeover contact 8A 250 VAC

ENVIRONMENTAL CONDITIONS

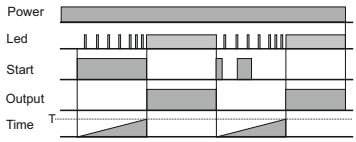
Operating temperature	- 10 °C + 55 °C
Storage temperature	- 25 °C + 85 °C

STANDARDS

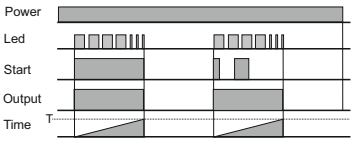
CE conformity	2014/35/EU ; 2014/30/EU

OPERATING FUNCTIONS

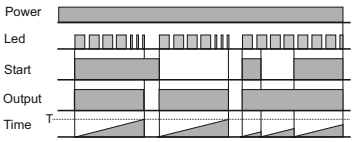
Function A
On-delay



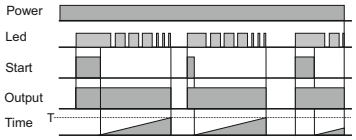
Function B
Interval on activation



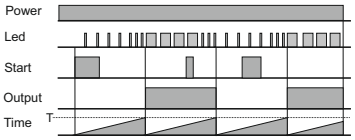
Function C
Interval on activation / deactivation



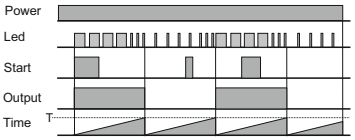
Function D
Interval on deactivation



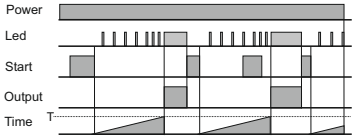
Function E
Symmetrical cyclic



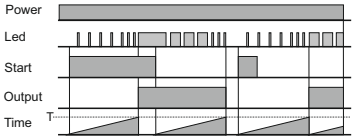
Function F
Inverted symmetrical cyclic



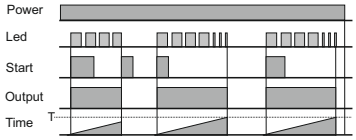
Function G
Off-delay



Function H
On-delay / Interval on deactivation

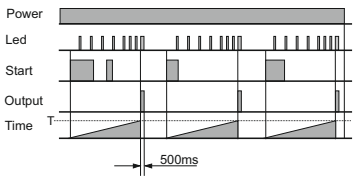


Function I
Timed bistable



T = 0
Bistable only

Function J
500 ms pulse generator



LED indication

When timing enters the last 10% of the set time, the LED showing timing and output status will flash faster until timing is complete.

TIME SCALES

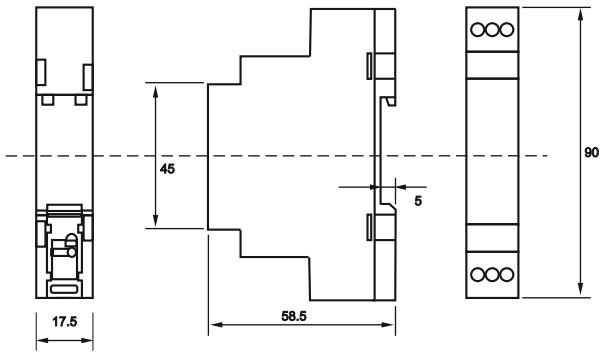
Seconds		Minutes		Hours		Days	
1S	0 to 1s	1M	0 to 1m	1H	0 to 1h	10D	0 to 10 days
10S	0 to 10s	10M	0 to 10m	10H	0 to 10h		
100S	0 to 100s	100M	0 to 100m	100H	0 to 100h		

On the 10-day scale the divisions are whole days. Only whole days can be selected; fractions of a day or hours cannot be set.

⚠ WARNING

The operating function must be changed with the device disconnected from the mains.

DIMENSIONS



PRECAUTIONS ⚠

.- Before connecting the device, make sure the supply voltage is within the ranges specified on the label; otherwise the internal components of the timer may be damaged.

.- This model has a transformerless power supply, so touching the input terminal while power is applied may cause an electric shock.

.- Use crimp terminals for wiring the device.

.- Use a suitable screwdriver, preferably a plastic one, to adjust the front potentiometers.

.- If the devices are powered continuously, leave some free space between them for better ventilation, as excessive temperature rise may shorten the life of the internal components.

.- In environments with excessive electrical noise, keep the device and its wiring away from the noise source.

.- Do not expose the device to solvents or acids, as these may damage the housing. In highly corrosive or very humid environments, both the internal components and the printed circuit board (PCB) may be affected.