

SINGLE AND MULTICHANNEL TIMER

230 Vdc

2000 s

1 to 3
Chan.

SINGLECHANNEL CHRONOMETRE : CMV01

- 1 Start input.
- 1 Stop input.

MULTICHANNEL CHRONOMETRE : CMV03

- 1 Start input.
- 3 Stop inputs.

4 Functions of time measurement (maximum, minimum, timer, recloser)

- Digital timer realised on micro-controller technologie basis.
- Automatic recognition of tripping external information by Contact or Voltage up to 230Vcc.



Picture for illustration purposes only.

CMV01 / 03

• Packaging

- Box - «Flight Case».
- Dimensions : L = 320 - W = 150 - H = 200 mm.

• Main power supply

- 230 Vac Single Phase + Earth - 50 /60 Hz.
- Connection by Europa plug - Cord supplied.
- Protected by mini circuit-breaker.

• Multifunction timer module

Microcontroller controlled module with backlight LCD display and function keys allowing to execute the following operations :

- Selection of the timer function (Maximum or Minimum or Chrono or Recloser) allowing to execute the start, the start/stop or the stop by the test case thanks to the On/off key or an external information (contact, voltage).
- Started timer order.
- Measure and display of the time until 2000s (resolution 1ms)with automatic change of decimal point and display of 5 relevant digits.
- Possible restitution of the results on a RS232 output (optional).

• Chronometre inputs

- 1 start input.
- 3 stop inputs for the CMV03, 1 for the CMV01.
- Optically decoupled inputs which can accept a contact or a voltage until 230Vcc.
- Automatic recognition of voltage state (Voltage present or absent) or contact (opened or closed).

• Time measure functions

• **Maximum/Minimum** :

Measure the time between the action on the On/Off key and a state change on the selected stop input.

• **Timer** :

Measure the time between a state change on the start input and a state change on the selected stop input.

• **Recloser** :

Measure up to 7 times between the successive changes of states on the timer start input.

• Synchronized output

- Opto-coupling output - max. capacity : 30 Vcc or 10 mA.
- Output synchronized with the start command (On/Off key), allowing to command an external appliance.

• Connectivity

- Security plugs Ø4mm for inputs and outputs.

• Options

- RS232 output.
- **CTRWIN** : Real time capture software of the results on Windows XP/NT/Vista/7.
- Output relays 220Vac/5A instead of the opto-coupling.
- **CMV01/3-SP1** : same as CMV01/3 except that it includes selection switches for start front type and contact or voltage activation type.

Guarantee one year parts and labor. all interventions are carried out exclusively in our factory.

Due to continuous research program, these characteristics can be modified.