Command contact

Can be switched in two ways:

- By closing an external voltage free contact between M and S.
- By connecting 5-35 Vac,dc between M(+) and R(-)

Each diagram represents the effet of the command contact for the two initial states of the output relay: de-energized (1L) and energized (1H).

U: power supply

cu Switched off contact. Its function is blocked.

Su función está inhibida

cr Reset contact

When connected the output relay is de-energized upon disconnecting, the programmed timing starts.



cl Lock contact

A partial shutdown of the timing takes place during its operation.



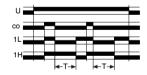
ci Delay on contact

When disconnected the output relay is de-energized; when connected the programmed timings starts.



co Delay off contact

When disconnected the output relay is de-energized. When connected, the relay is energized. When disconnected again, the programmed timings starts.



Function examples diagrams

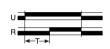
U: power supply

R: output relay

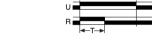
Output relay at start: 1L de-energized; 1H energized.

Work mode: **CO** non-cycle; **C1** cycle. Command contact: **cu, cr, cl, ci, co.**

Delay ON 1L - CO - cu



Timing ON 1H - CO - cu



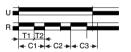
Delay OFF with command contact

1H - CO - co

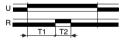


Double timing

1L - CO - cu

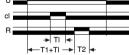


Double timing cycle work mode 1H - C1 - cu



Four timings cycle work mode

1H - C1 - cu



Timing with partial shutdown by command contact 1L - CO - cl

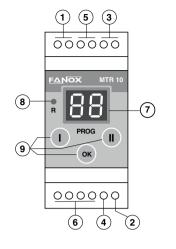


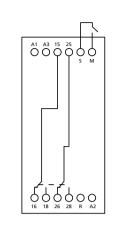
www.fanox.com fanox@fanox.com Tlf. +34 94 471 14 09 Fax +34 94 471 05 92



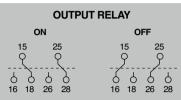
MULTIFUNCTION DIGITAL TIMER MTR 10







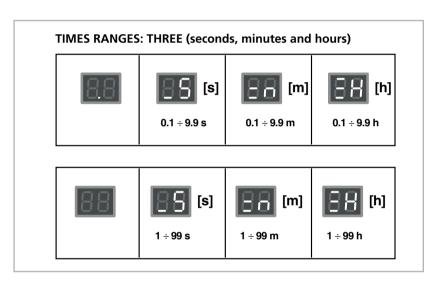
A1 - A2: 48 Vdc (+15-10%) A2 - A3: 24 Vac, dc (+15-10%)



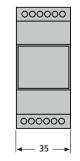
Technical data

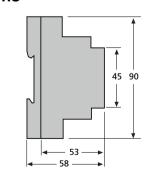


Auxiliary supply	48 Vcc 50/60 Hz / 2.5 VA
+15-10% / Consumption	24 Vdc.ac / 1W
Accuracy	1% ± 10 ms
Repeat accuracy	0,5%
Output contacts:	C300 - 125/250V I _{th} = 5 A
1 relay with 2 timed	AC15 - 250V - 2A
change over contacts	DC13 - 30V - 2A
NO-NC	DC13 - 115V - 2A
Terminals: max section / screw torque	2,5mm², No.22 - 12AWG/ 20 Ncm, 1,8 LB - IN
Mechanical /	>20 x 10 ⁶ OP /
electrical life	10 ⁵ OP
Protection degree /	IP40 front /
weight	0,15 kg
Storage /	-30°C +70°C /
operation temperature	-20°C +55°C



Dimensions





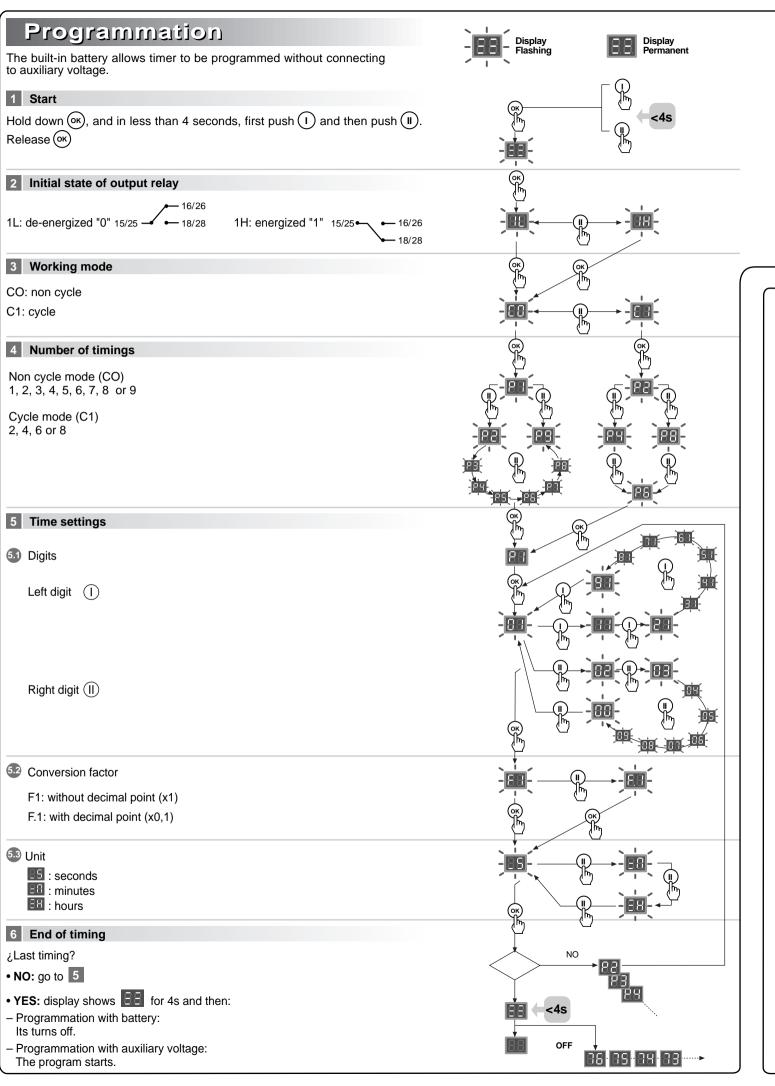
PROGRAMMABLES PARAMETERS

- 1° Initial state of output relays: energized (1H) or de-energized (1L).
- 2° Working mode: cycle (C1) or non-cycle (CO).
- 3° Number of different times per program: up to 8 in cycle mode and up to 9 in non-cycle.
- 4° Time setting range: from 0,1 seconds to 99 hours.
- 5° Command contact.

With built-in battery which allows timer to be programmed without connecting to auxiliary voltage.



- ATTENTION: To prevent electrical shock, disconnect from power source before installing or servicing
- Check that the auxiliary voltage supply is correct.



7 Command contact

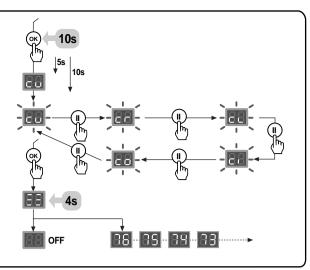
At the end of programmation, select command contact mode.

Hold down OF for 10s.

The programmed mode is shows in 5s. The timer is supplied with ${\bf cu}$ (function blocked).

The display shows during 4s and then:

- Programmation with battery: Its turns off.
- Programmation with auxiliary voltage:
 The program starts.



Review of the programmed settings

With timer working. Timing does not stop.

- The initial state of output relay is showed for 3s: 1L or 1H
- The working cycle is showed for 3s: CO or C1
- The number of timings is showed for 3s.
- Non cycle mode CO.
- Cycle mode C1
- 1, 2, 3, 4, 5, 6, 7, 8 or 9
- 2, 4, 6 or 8
- Present timing time is showed.
- Programmed value per timing.
- Select the timing number.
- Programmed time value.
- Time unit:

Seconds:

corius.

Minutes:

Hours:

Present timing time is showed.

Timing monitoring

Nearly each 10s information about the number of timings in curse and the display time unit appears for 2s.

• First digit:

seconds

Secol ius

minutes

hours

Second digit: timing number.

