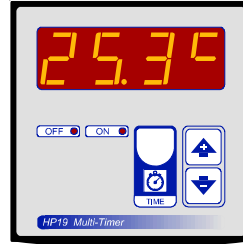


HP19

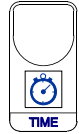
SL 3.0
Multi-Timer

Handbook



MAIN SETTINGS (Run mode)

TIMES SETTINGS



Press **TIME**:

This message will be displayed instead of the *Set On Time*.

Press + or - to modify, press **TIME** to confirm.

t.on

10"

Example t.on = 10 Seconds

At this point: this message will be displayed instead of the *Set Off Time*.

Press + or - to modify, press **TIME** to confirm.

t.oF

20"

Example t.oF = 20 Seconds

In normal operating conditions the elapsed time or count-down time is displayed. (see **COS**t function **Coun**).

* Time unit is established in **COS**t function **tYPE**.

9.9"

tyPE=1
Seconds with decimal
(Example 9.9 Seconds)

10"

tyPE=2
Seconds
(example 10 Seconds)

9.9'

tyPE=3
Minutes with decimal
(Example 9.9 Minutes:
0.1 Min = 6 Seconds)

10'

tyPE=4
Minutes
(Example 10 Minutes)

"HAND MODE"



In some start-up conditions it may be useful to work in "hand" mode.

Power off the processor, press + key and keep it pressed giving power on:

HAnd message will be displayed (now release + key).

Push + (1 is displayed) and push **TIME** for activating relay.

You can press **TIME** for a least two seconds to escape and return to the *Run Mode*.

PRESET PROGRAMS



This processor is ready programmed with the following (variable) settings.

To return to these settings at any time:

Power off the processor, press **TIME** key and keep it pressed giving power on: release **TIME** key when the **boot** message appears.

t.on = 10" t.oF = 20"

The **COS**t values are shown in **COS**t paragraphs.

COSt PROGRAMMING (System constants)



These settings refer to the mode operation of the system and must be made on initial start-up. Press - / + together for at least one second: the message **C.O.S.t.** will be displayed.

Press **TIME** repeatedly until desired variable message is displayed (see table below) : variable value and related message will be displayed.



Press + or - to set a new value and then **TIME** to confirm.

The next system constant will then appear.

You can press **TIME** for a least two seconds to escape and return to the *Run Mode*.

Mess.	Value	Meaning	Note
tYPE	=2	Time measurement unit	*1)
Coun	=1	Time representation mode	*2)
Star	=1	Start relay type	*3)

*1) =1 : Seconds with decimal (Example 9.9").

=2 : Seconds (Example 9").

=3 : Minutes with decimal (Example 9.9').

=4 : Minutes (Example 9').

*2) =1 : Increase time.

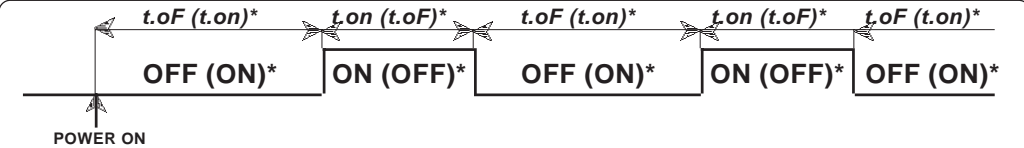
=2 : Decrease time.

*3) At power on event system can start in two different modes:

=1 : Start at power on in the ON state.

=2 : Start at power on in the OFF state.

OPERATION



* Start at power on depends on **COS**t function **StAr** chosed).

INSTALLATION

How to connect the line

Connect line on terminals L-N.

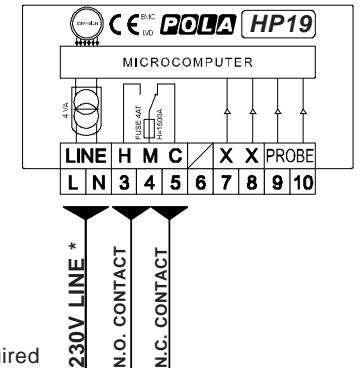
Protect supply with adequate fuse.

How to connect the contacts

Connect terminals 3-4-5 on the

terminal block (contacts up to

4AMP.AC1.



* Other power voltage if you required

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