

EG 172

User instruction 

1 channel time switch - weekly cycle 12 V AC/DC

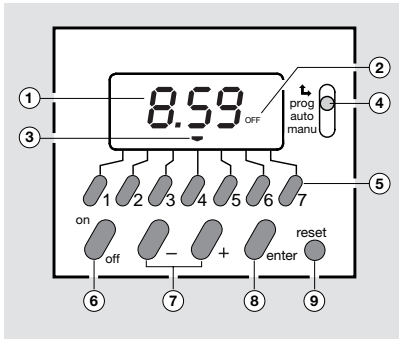
Working principle :

The EG 172 is a time switch for the automatic control of electrical loads. It is fully programmable with a maximum of 20 program steps. Each program step can be applied to one or several days, maximising the use of each memory location.

The front cover is sealable preventing unauthorised access after completion of programming.

Warning : at the beginning of use, please reset the device in order to clear the memory before programming. This is achieved by using a pen to push the reset button.





Presentation :



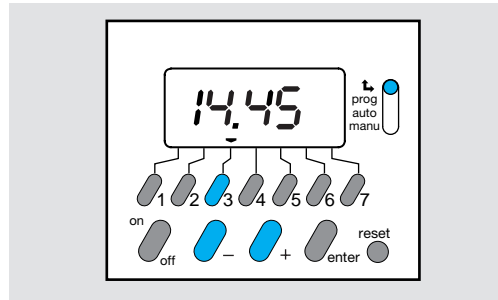
Display :


- ① time
- ② circuit status (ON or OFF)
- ③ day of the week
(1 = Monday, 2 = Tuesday ...)

Buttons :

- ④ Mode selector : to select one of the following modes
 -  time setting
 -  programming
 -  running mode
 -  manual override
- ⑤ "1" to "7" : selection of the days
- ⑥ "on/off" : chooses whether the circuit is on or off
- ⑦ "+" and "-" : changes settings
- ⑧ "enter" : to confirm
- ⑨ "reset"

Time and day setting :

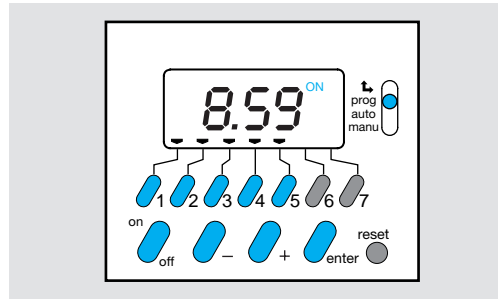


1. Move mode selector to 
2. Select with key "1" to "7", the actual day (1=Monday, 2 = Tuesday .)
3. Input time with buttons "+" and "-".

Important :

The clock starts when exiting the time setting mode.

Programming :



1. Move mode selector to "prog".
2. Select with keys "1" to "7" the day(s) assigned to this program step. An arrow appears above each day concerned.
3. Input switching time with buttons "+" and "-".
4. Input the type of switching with button "on/off" (for the first action ON is automatically proposed).
5. Enter this program step with button "enter".

Program additional time settings by repeating steps 2 to 5.

Important :

To activate the program, move mode selector to "auto".

Running Auto mode

This mode is the current displaying mode. It does not allow any modification.

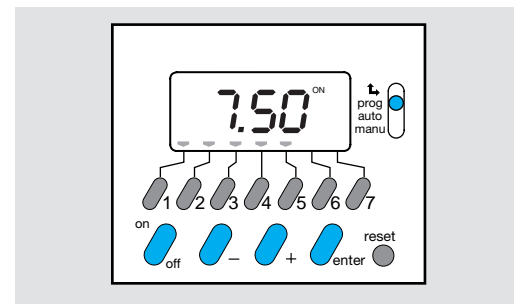
Move mode selector to "auto".

Display of the time, the day and the state of the channel.

To check your program :

1. Move mode selector to "prog".
2. Press the "enter" key repeatedly to display the different program steps (switching time, days of the week and state of the channel ON or OFF).

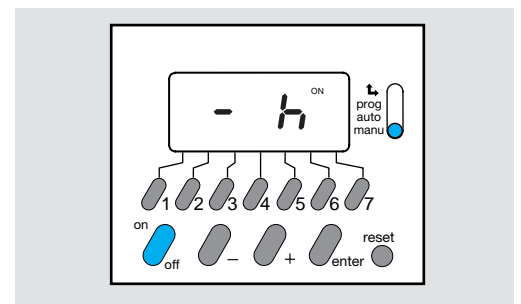
To modify or delete a program step :



1. Move mode selector to "prog".
2. Press "enter" repeatedly and select the program step to modify or to delete.
3. Modify :
 - switching time with keys "+" or "-"
 - days assigned with keys "1" to "7". (an arrow flashes above all days assigned, press once to add a day, press twice to cancel).
 - state of the channel with key "on/off".
- To delete a program step, press keys "1" to "7" in order to cancel all days assigned.
4. Confirm with the "enter" key.

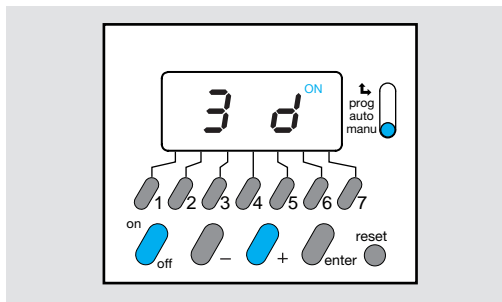
To override the output :

Permanent override :



1. Move mode selector to "manu".
 2. Select the state of the output with key "on/off".
- To switch back to automatic mode, move mode selector to "auto".

Timed override :



1. Move mode selector to "manu".
2. Select the state of the output with key "on/off".
3. Input with key "+" and "-" the override duration : from 1 to 23 hours by steps of 1 hour.
Then from 1 to 27 days by steps of 1 day.
4. Move mode selector to "auto".

The state indication is flashing. This means a timed override. Return to the initial program after the duration.

Technical specifications :

- Electrical characteristics :
- supply voltage : 12V AC +10/-15% 50/60Hz
12V DC +10/-15%
 - output : 1 changeover contact
 μ 16A - 250V AC1.
 μ 3A - 250V $\cos \varphi = 0,6$
1000 W incandescent lighting
 - power consumption : 1 VA
 - protection degree : IP20
 - insulation class : II

Functional characteristics :

- accuracy : \pm 1sec. / day at 20 °C
- operating reserve : lithium battery, total of three years.

Environment :

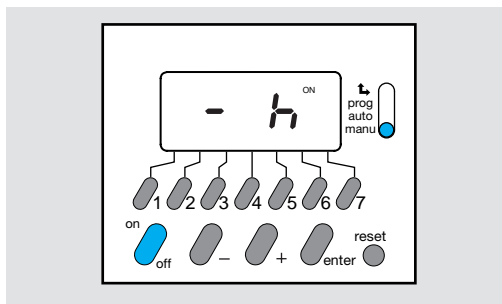
- Operating temperature : -10 to +50 °C
- Storage temperature : -10 to +50 °C

Connection tunnel terminals :

- flexible : 0,5 to 2,5 mm²
- rigid : 0,5 to 4 mm²

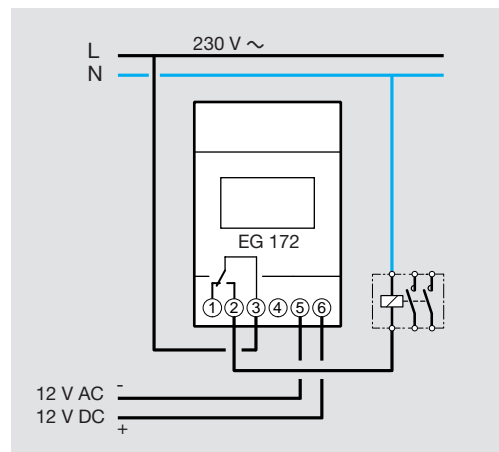
Dimensions : 3 modules (3x17,5mm)

To cancel the timed override :



1. Move mode selector to "manu".
2. Press key "-" or "+" until display -h.
3. Move mode selector to "auto" to switch back to automatic mode.

Electrical connections :



To reset the time switch :

Press "reset" to clear the program.

Warranty



A warranty period of 24 months is offered on hager products, from date of manufacture, relating to any material of manufacturing defect. If any product is found to be defective it must be returned via the installer and supplier (wholesaler). The warranty is withdrawn if :

- after inspection by hager quality control dept the device is found to have been installed in a manner which is contrary to IEE wiring regulations and accepted practice within the industry at the time of installation.
 - the procedure for the return of goods has not been followed.
- Explanation of defect must be included when returning goods.