












Instruction Manual



20 memories time switches



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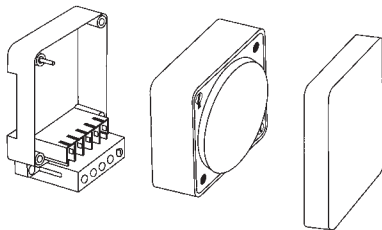
Safety precautions

- The connection and installation of electrical devices may only be carried out by a qualified electrician.
- Interventions in and changes to the device result in the voiding of the warranty claim.
- Observe your national regulations and the respective safety provisions.
- Switch-off commands have priority over switch-on commands.

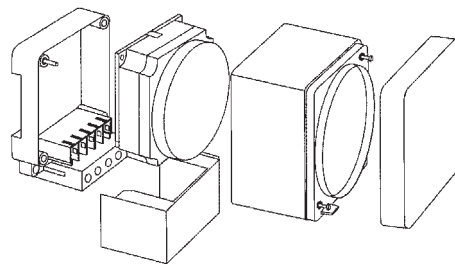


Assembly

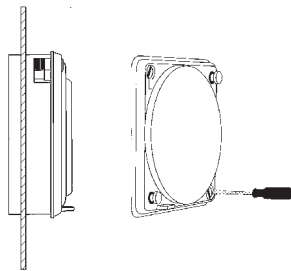
MIL 72 D120



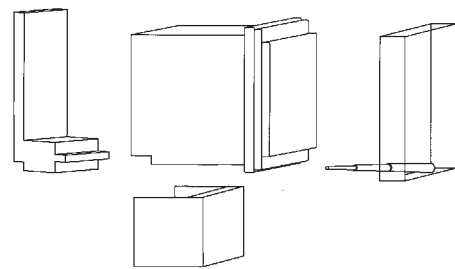
MIL 72A D120



MIL 72E D120

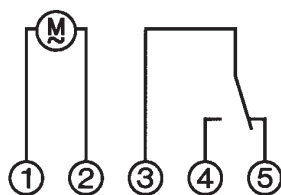


MIL 72 D220

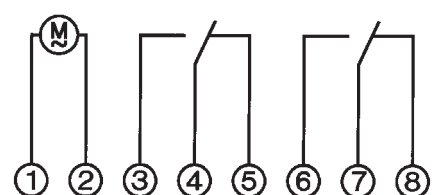


Connection

MIL 72 D120
MIL 72A D120
MIL 72E D120
FMD 120



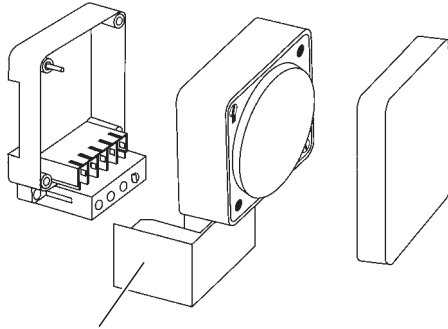
MIL 72 D220





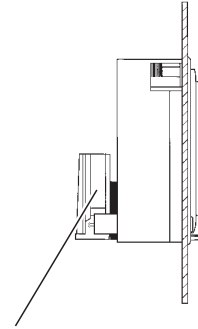
Accessory

MIL 72 D120

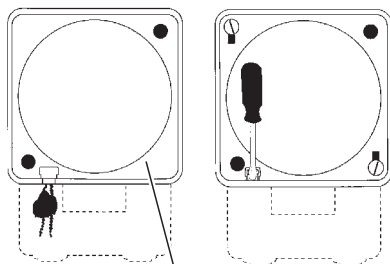


Terminal cover
01.78.0004.6

MIL 72E D120

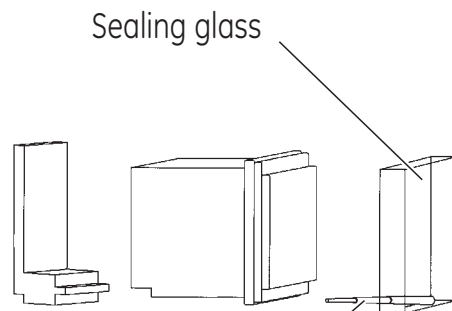


Flush mounting base
01.79.0002.2

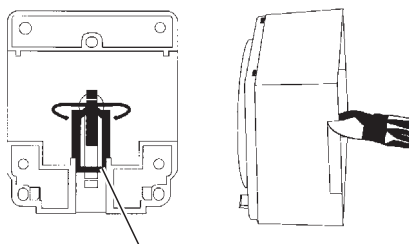


Sealing glass - IP40
01.78.0021.6

MIL 72 D220

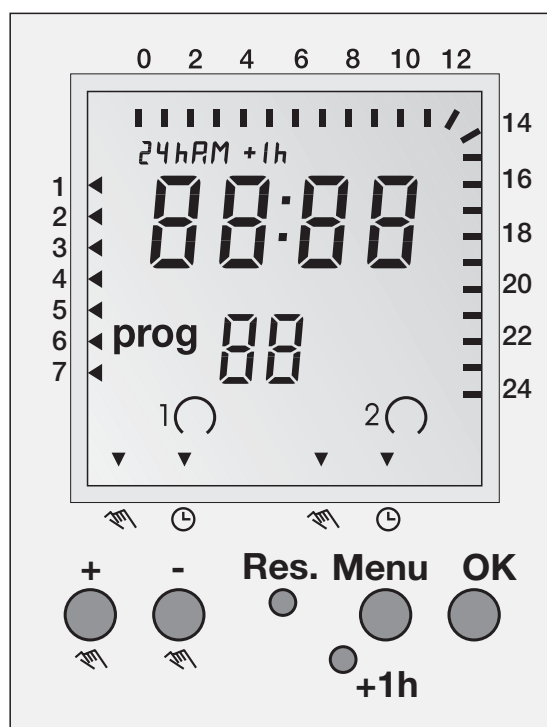


Sealing screw
16.10.0011.8



Multi-terminal busbar, latch
01.78.0036.6

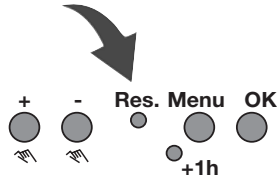
- : Overview of daily switching program
- 24hPM : Setting of 24h or am/pm
- +1h : Summer/winter clock changes
- ◀ : Weekday display
- ⊙ : Switching status display ON/OFF
- ☞ : Manual operation / fixed ON / fixed OFF
- ⌚ : Automatic operation



- +/- : Adjustment keys: By pressing the key longer than 2 sec. you can adjust the timer in steps of 5 units
- Res. : Reset
- Menu : By pressing the menu key programming is terminated and the system reverts to automatic operation
- OK : Confirmation of programming

Setting of this programmable timer is depending of the user preference to use pre-set programs or defining own programming.

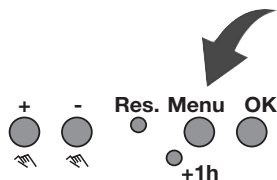
Using Pre-set programs (first time installation)



Using **Reset** key you can adjust the following values:

- 24h or am/pm: see pg 22
- Time (hour and minutes): see pg 23
- Week day: see pg 23
- Pre-set programs P01 to P03: see pg 24

User defined programming by Menu mode

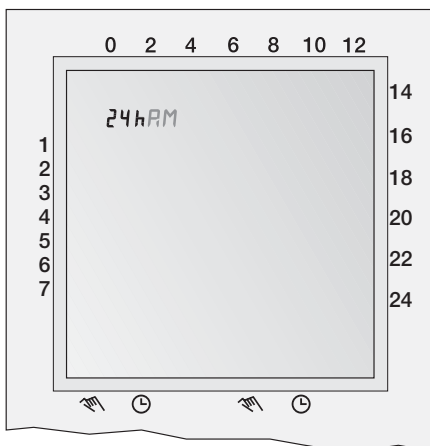


Using **Menu** key you can adjust / review the following values:

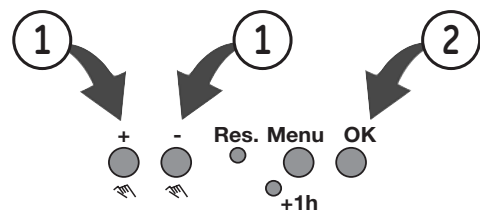
- 24h or am/pm: see pg 22
- Time (hour and minutes): see pg 23
- Week day: see pg 23
- Programs P--: see pg 24



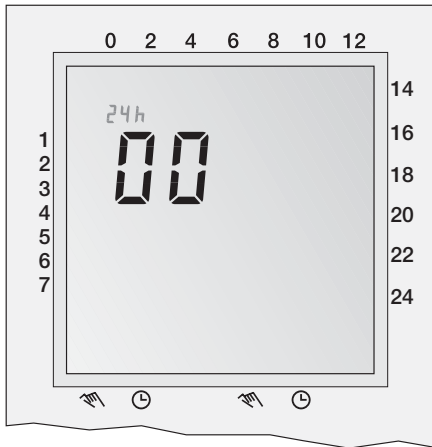
Sequence to follow after selecting programming by pre-set programs or Menu mode.



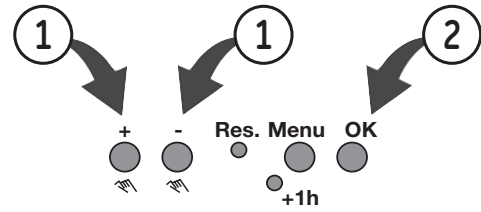
Set display format 24h or am/pm



Select 24h or am/pm (+/-) and confirm with **OK**.



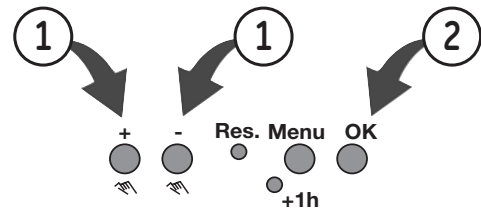
Set hour



Select hour (+/-) and confirm with **OK**.



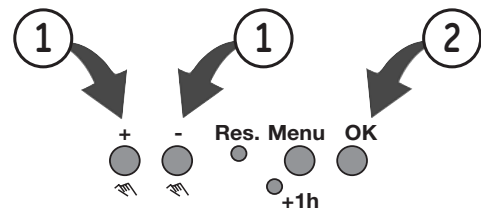
Set minutes



Select minutes (+/-) and confirm with **OK**.



Set week day



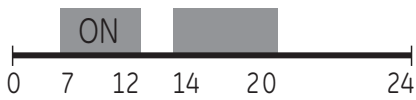
Select week day (+/-) and confirm with **OK**.

- 1 = Monday
- 2 = Tuesday
- 3 = Wednesday
- 4 = Thursday
- 5 = Friday
- 6 = Saturday
- 7 = Sunday

P01: Mo - Su, 1 x ON/OFF



P01: Mo - Su, 2 x ON/OFF



P01: Mo - Su, 3 x ON/OFF



Programs P01-03

The switching on and off times for programs P01 to P03 are preset (pre).

The user can change these programs.

Individual program, P--

Under the menu option P-- you have the option of creating a user-defined program.

This program can be changed at any time.

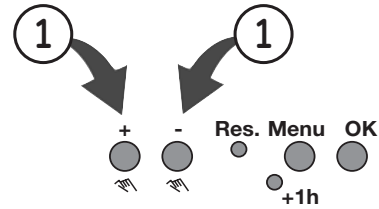
There are up to 20 memory locations available for 10 OFF and 10 ON commands.

You can allocate a corresponding weekday or week block to each memory location.

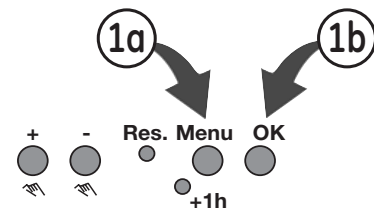
Note:

For two channels version pre-set program is established in the two channels.

Sequence to follow after setting time in the Reset mode.



Select pre-set program (+/-).



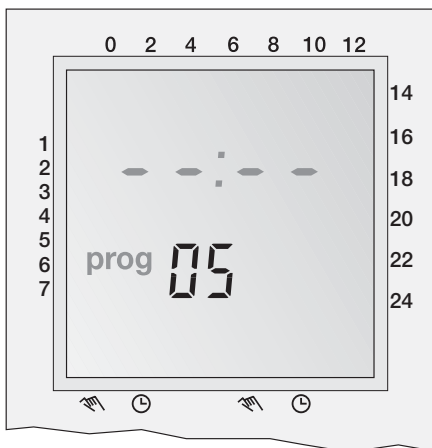
Once selected the program desired there are following options:

Menu: terminate programming

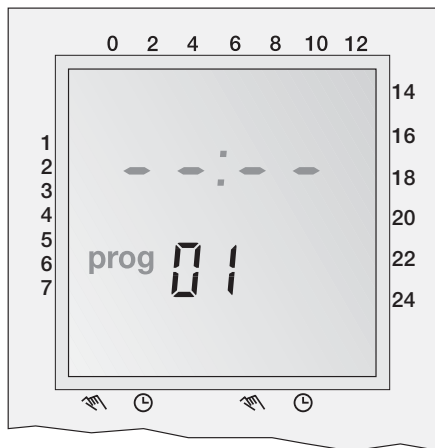
OK: Going through pre-set programs to modify selection (any program ON or OFF can be modified by using "+" or "-" keys and confirming with **OK**) or accept it with **OK** key to go the next free memory location in order to add new user defined programs (see pg 30).

e.g. after selecting P02 you should also program:

Sa-Su 22:30 ON (prog05)
23:00 OFF (prog06)



Sequence to follow after setting time and week day while running Menu mode or adding programs to the pre-set P01 to P03.



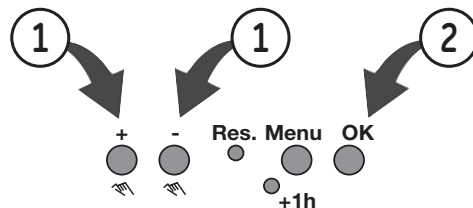
Select program ON



and confirm with **OK**.



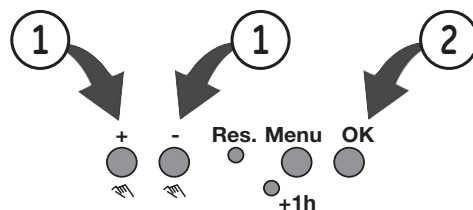
Set hour ON



Select hour (+/-) and confirm with **OK**.



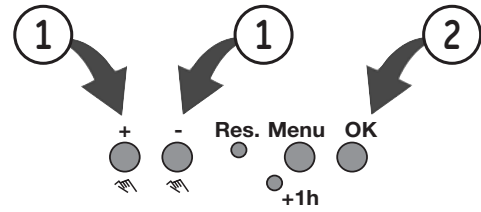
Set minutes ON



Select minutes (+/-) and confirm with **OK**.



Set week day ON



Select week day (+/-) and confirm with **OK**.

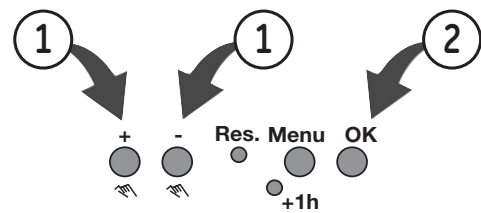
Possible week blocks and individual days

	↓	↓	↓	↓	↓
1	◀	◀	◀		▶
2	◀	◀	◀		▶
3	◀	◀	◀		▶
4	◀	◀	◀		▶
5	◀	◀	◀		▶
6	◀	◀		◀	▶
7	◀			◀	▶



Set Channel

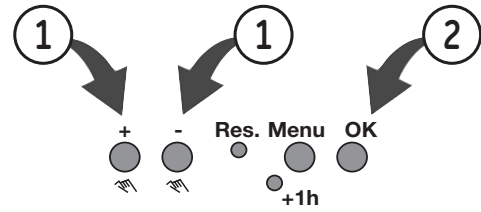
(only for 2 Channel version)



Select Ch1 or Ch2 (+/-) and confirm with **OK**.



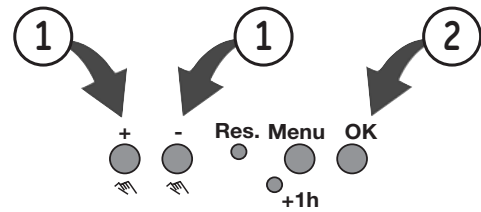
Set hour OFF



Select hour (+/-) and confirm with **OK**.



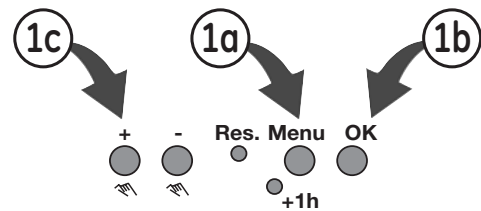
Set minutes OFF



Select minutes (+/-) and confirm with **OK**.



Set week day OFF



Should the OFF command be the same day of ON command then select **Menu** to terminate programming or select **OK** to go to a new program ON setting.

Shift

Should the OFF command be the following day of ON command then select "+" key then select **Menu** or **OK**.

Example:

Mo-Fr

20:00 p.m. - 03:00 a.m. ON
03:00 a.m. - 20:00 p.m. OFF

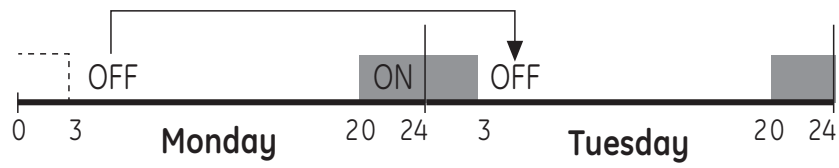


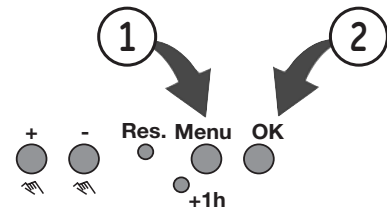
Mo-Fr

20:00 p.m. - 03:00 a.m. ON

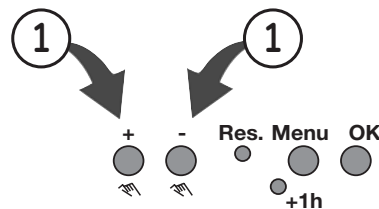
Tu-Sa

03:00 a.m. - 20:00 p.m. OFF

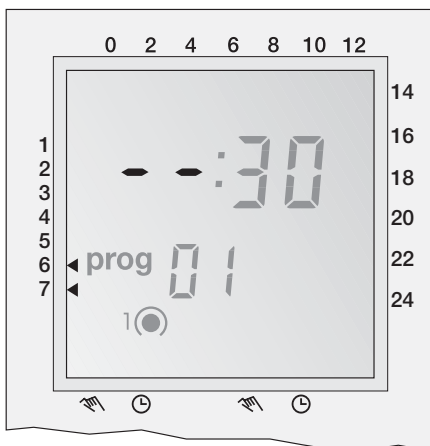




Select **Menu**, then select **OK** key until getting onto the ON time of the program you want to delete.

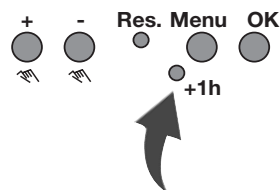


Select "--" with (+/-) key and confirm with **OK**.



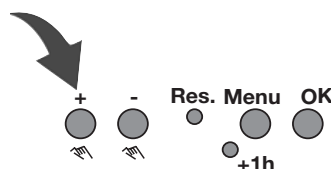
Note:

Switching programmes are deleted in ON-OFF pairs. If you delete a single ON instruction, the corresponding OFF instruction is also deleted.



The **+1h** key is for the changeover from summer to winter time.

- By pressing the **+1h** key 1 hour is added to the current time.
- +1h is shown on the display.
- By pressing **+1h** again 1 hour is subtracted from the current time.



The "+" key serves to change over between automatic \ominus , fixed ON ☞ and fixed OFF operations (Ch1).

The "-" key serves to change over between automatic \ominus , fixed ON ☞ and fixed OFF operations (Ch2).