

# Instruction Manual



50 memories time switches



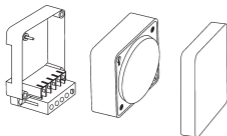
### Safety precautions

- 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.

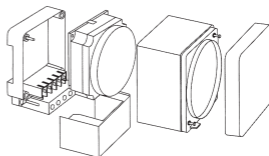


### Assembly

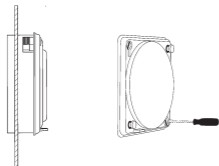
#### MIL 72 D150



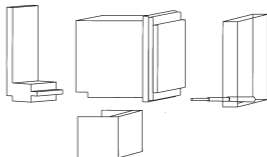
#### MIL 72A D150



#### MIL 72E D150

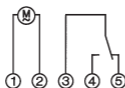


#### MIL 72 D250

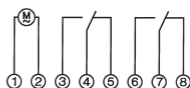


### Connection

MIL 72 D150  
MIL 72A D150  
MIL 72E D150  
FMD 150



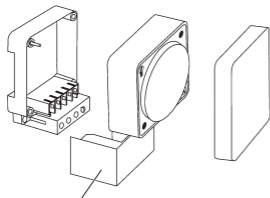
MIL 72 D250



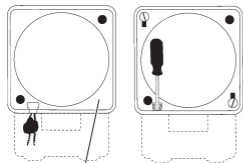


## Accessory

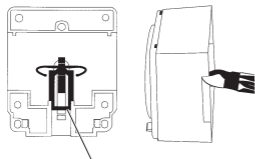
## MIL 72 D150



Terminal cover  
01.78.0004.6

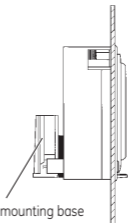


Sealing glas - IP40  
01.78.0021.6



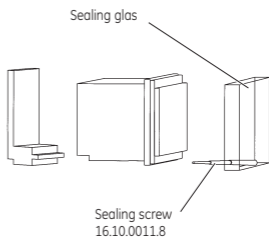
Multi-terminal busbar, latch  
01.78.0036.6

## MIL 72E D150



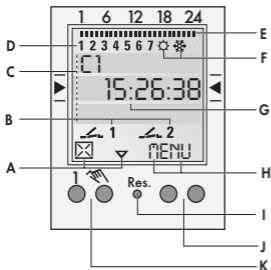
Flush mounting base  
01.79.0002.2

## MIL 72 D250



Sealing glas

Sealing screw  
16.10.0011.8



### General information

- The middle communication line shows the selectable menu item. If confirmed with **OK**, this item is activated.
- Flashing texts or symbols require an entry.
- If no entries are made within the next 2 minutes, the clock reverts to Auto mode.

### Function displays of the two left-hand buttons:

- △ scroll up in menu
- ▽ scroll down in menu
- ☒ Select/reject suggestion
- ✓ Select/accept suggestion
- + Press briefly = +1  
Press and hold (approx. 2 sec) = +5
- Press briefly = -1  
Press and hold (approx. 2 sec) = -5

### Display

- A** Function displays of the two left-hand buttons
- B** Channel status displays  
 — 1 = Channel 1 ON  
 / 1 = Channel 1 OFF  
 Channel 1 = C1, Channel 2 = C2
- C** 3 communication lines for time display, menu items, entry prompts etc.
- D** Day-of-week display
- E** Overview of daily switching program
- F** Display of summer/winter time
- G** Operating voltage (permanently lit dots)  
Reserve power operation (dots flash)
- H** Function displays of the two right-hand buttons

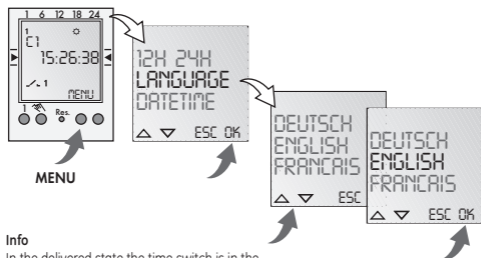
### Buttons

- I** Reset  
The programs are retained in the case of a reset. The date and time must be set again. Press reset button with a blunt object (pen).
- J** Right-hand buttons
- K** Left-hand buttons with manual switch function in Automatic mode

### Function displays of the two right-hand buttons:

- MENU** Exits the Automatic mode and enters the Programming mode
- ESC** Press briefly = one step back  
Press and hold (approx. 2 sec) = return to Automatic mode
- OK** Make selection and apply
- EDT** Change request in Read mode
- NO** Do not execute command
- YES** Execute command
- DEL** Delete

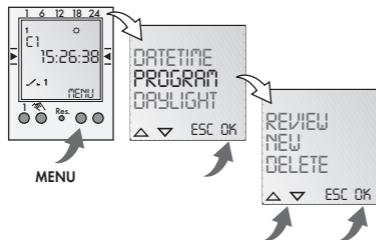
## Initial start-up - selection of menu language



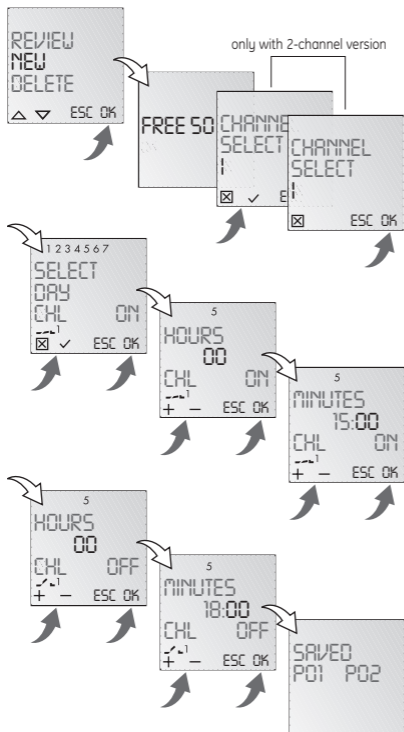
## Info

In the delivered state the time switch is in the Auto mode with a preset time, date and the menu language English.

## Prog.



## New program



## Info

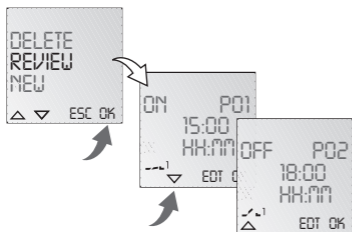
The time switch has 50 memory spaces.

## Example

ON command for channel 1 at 3 pm. OFF command at 6 pm.

- Select NEW program and confirm with **OK**.
- The free memory spaces are briefly displayed.
- Select channel and confirm with **OK**.
- Select day block or individual day (block formation as desired) and confirm with **OK**.
- Enter hour for ON command (+/-) and confirm with **OK**.
- Enter minute for ON command (+/-) and confirm with **OK**.
- Enter hour for OFF command (+/-) and confirm with **OK**.
- Enter minute for OFF command (+/-) and confirm with **OK**.
- Program is saved.
- Program jumps to selection REVIEW, NEW, DELETE. Now additional programs can be created.

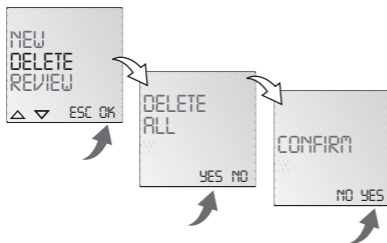
## View, edit program



## Info

- The program steps can be scrolled through with  $\blacktriangledown$   $\blacktriangle$ .
- The respective program can be edited by pressing **EDT**. The procedure is the same as when creating a new program.

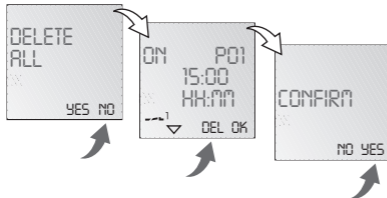
## Delete all programs



## Info

- It is possible to delete all programs with **YES**.
- By pressing **NO**, individual programs can be deleted.

## Delete individual programs

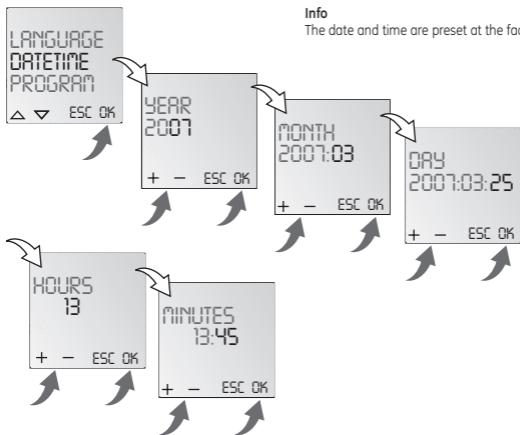


## Info

When deleting individual programs, the corresponding program steps are deleted (e.g. P01 ON and P02 OFF).



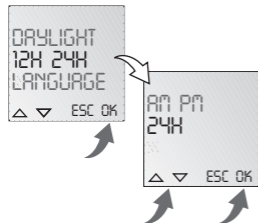
### Set date and time



### Info

The date and time are preset at the factory.

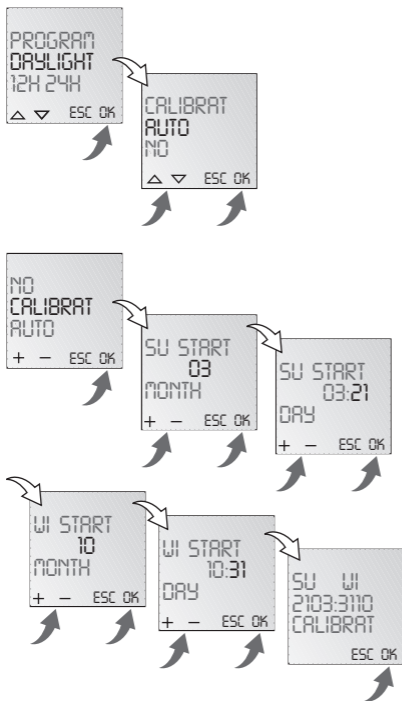
### Set AM/PM (12-hour-) or 24-hour display







### Switchover for summer/winter time



#### Info

The following settings are possible:

#### AUTO

Factory presetting of the published calendar dates. This is automatically recalculated for each year.

#### NO

No switchover

#### CALIBRAT

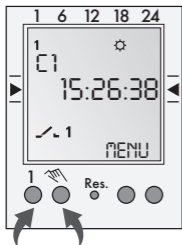
Programming. The start date of the summer time and winter time must be entered for this purpose. The factory presetting is overwritten. The programmed summer/winter time is automatically recalculated for each year. The changeover takes place on the same specified day of the week in the same week of each month.

#### Example

03/21 Start summer time  
10/31 Start winter time



## Operating mode



### Info

Left-hand button = Channel 1

Right-hand button = Channel 2 (only with  
2-channel version)

Press 1 x = FIX ON = continuous ON

Press 2 x = FIX OFF = continuous OFF

Press 3 x = return to Auto mode

FIX ON:

FIX OFF:

AUTO: (no display) programmed switching times