# Instruction Manual

50 memories time switches

GB

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.
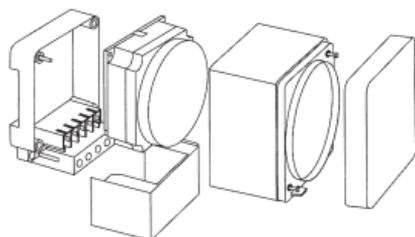· Switch-off commands have priority over switch-on commands.
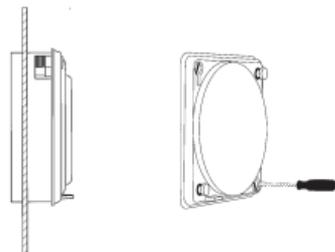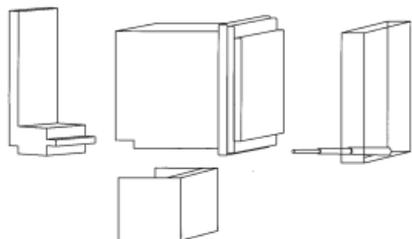
Assembly

MIL 72 D150
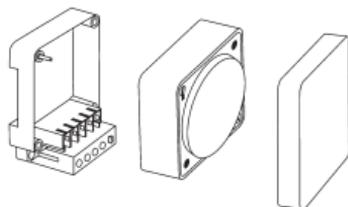
MIL 72A D150
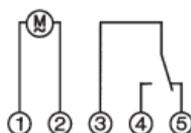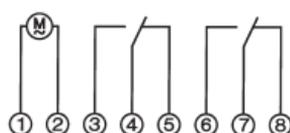
MIL 72E D150

MIL 72 D250

Connection

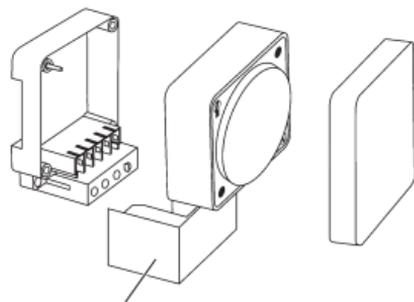MIL 72 D150
MIL 72A D150
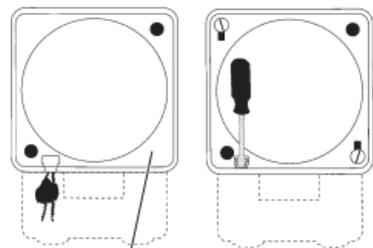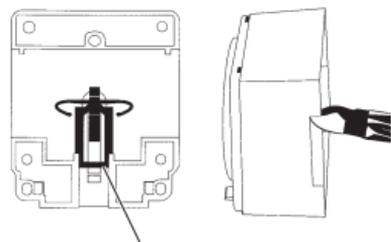MIL 72E D150
FMD 150

MIL 72 D250

Accessory
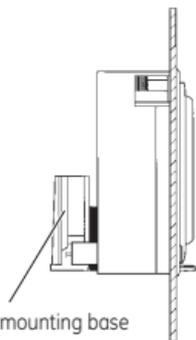
MIL 72 D150

Terminal cover
01.78.0004.6

MIL 72E D150

Flush mounting base
01.79.0002.2

Sealing glas - IP40
01.78.0021.6

MIL 72 D250
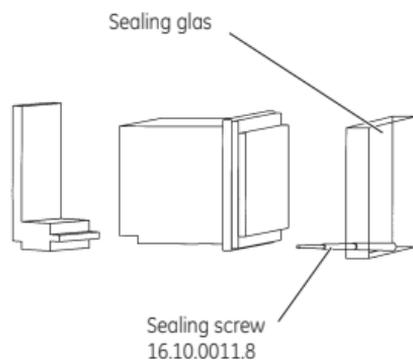
Sealing glas

Sealing screw
16.10.0011.8

Multi-terminal busbar, latch
01.78.0036.6
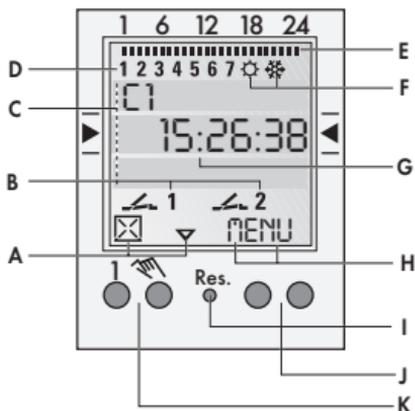
General information
· The middle communication line shows the selectable menu item. If confirmed with **OK**, this item is activated.
· Flashing texts or symbols require an entry.
· If no entries are made within the next 2 minutes, the clock reverts to Auto mode.

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 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

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

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Initial start-up - selection of menu language
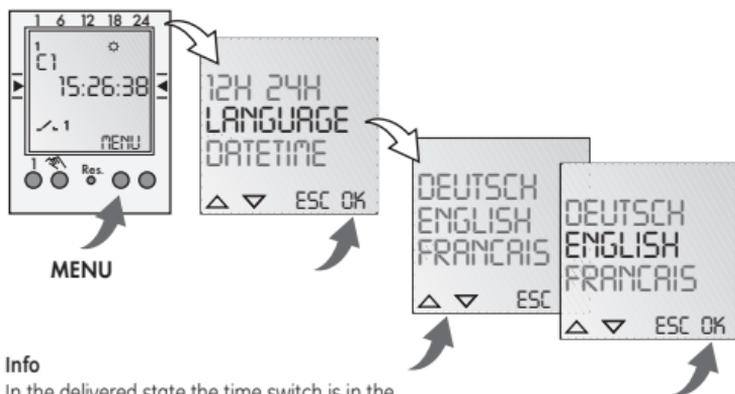
Info

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.

only with 2-channel version

REVIEW
NEW
DELETE
△ ▽   ESC OK

FREE 50

CHANNEL
SELECT
1
☒ ✓   E

CHANNEL
SELECT
1
☒   ESC OK

1234567
SELECT
DAY
CHL   ON
☒ ✓   ESC OK

5
HOURS
00
CHL   ON
+ −   ESC OK

5
MINUTES
15:00
CHL   ON
+ −   ESC OK

5
HOURS
00
CHL   OFF
+ −   ESC OK

5
MINUTES
18:00
CHL   OFF
+ −   ESC OK

SAVED
P01 P02

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View, edit program

| DELETE |
| REVIEW |
| NEW |
| △ ▽ ESC OK |

| ON   P01 |
| 15:00 |
| HH:MM |
| ▽¹ EDT OK |

| OFF   P02 |
| 18:00 |
| HH:MM |
| △¹ EDT OK |

Info
· The program steps can be scrolled through with ▼ ▲.
· The respective program can be edited by pressing **EDT**.
The procedure is the same as when creating a new program.

Delete all programs

| NEW |
| DELETE |
| REVIEW |
| △ ▽ ESC OK |

| DELETE |
| ALL |
| YES NO |

| CONFIRM |
| NO YES |
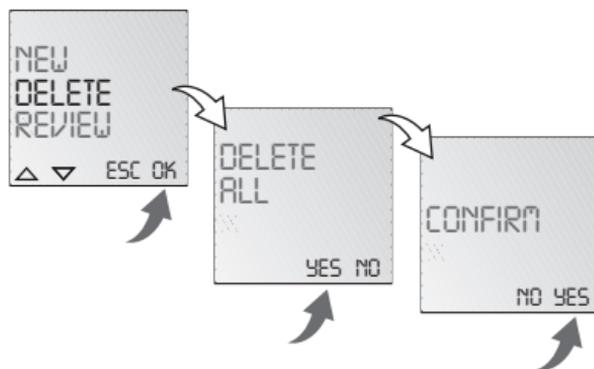
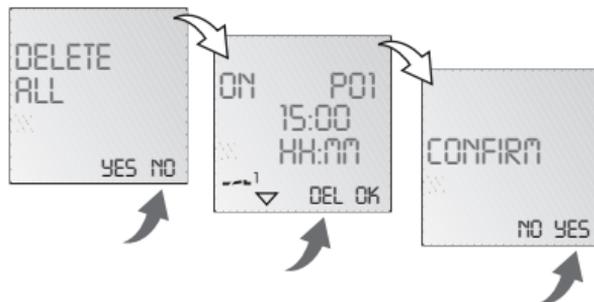**Info**
· It is possible to delete all programs with **YES**
· By pressing **NO**, individual programs can be deleted.

Delete individual programs

| DELETE |
| ALL |
| YES NO |

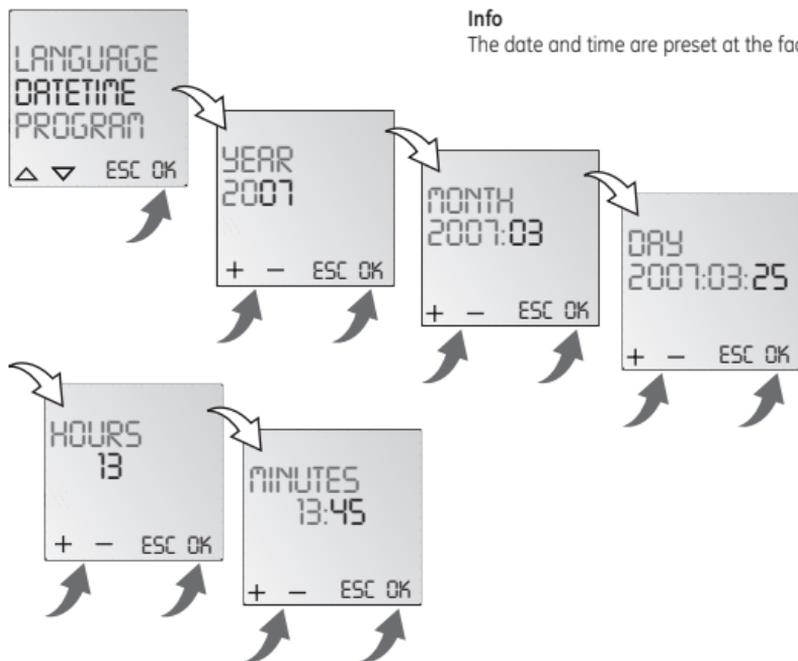| ON   P01 |
| 15:00 |
| HH:MM |
| ▽¹ DEL OK |

| CONFIRM |
| NO YES |

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.

LANGUAGE
DATETIME
PROGRAM
△ ▽ ESC OK

YEAR
2007
+ − ESC OK

MONTH
2007:03
+ − ESC OK

DAY
2007.03.25
+ − ESC OK

HOURS
13
+ − ESC OK

MINUTES
13:45
+ − ESC OK

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

DAYLIGHT
12H 24H
LANGUAGE
△ ▽ ESC OK

AM PM
24H
△ ▽ ESC OK

GB
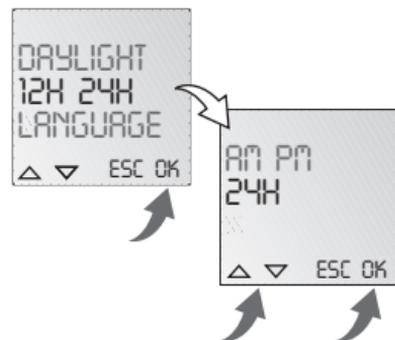
Switchover for summer/winter time

PROGRAM
DAYLIGHT
12H 24H
△ ▽ ESC OK

CALIBRAT
AUTO
NO
△ ▽ ESC OK

NO
CALIBRAT
AUTO
+ − ESC OK

SU START
03
MONTH
+ − ESC OK

SU START
03:21
DAY
+ − ESC OK

WI START
10
MONTH
+ − ESC OK

WI START
10:31
DAY
+ − ESC OK

SU WI
2103:3110
CALIBRAT
ESC OK
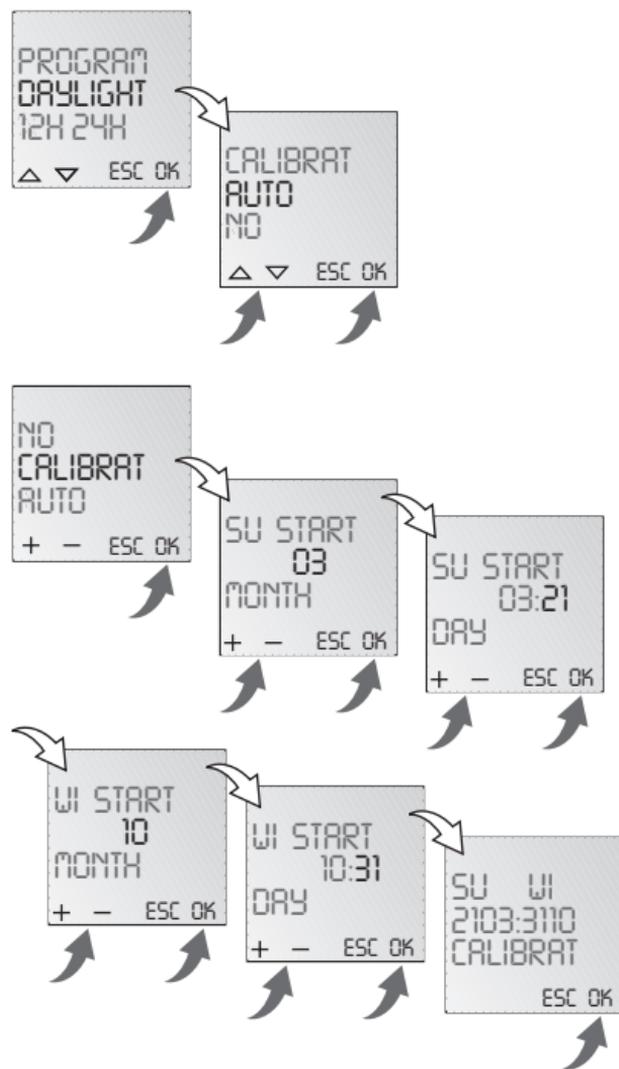
Info
The following settings are possible:

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

FIX OFF: FIX

AUTO: (no display) programmed switching times