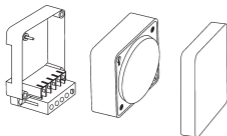# Instruction Manual



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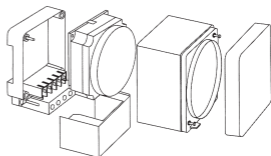· Switch-off commands have priority over switch-on commands.
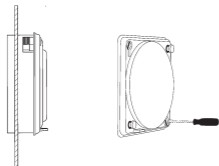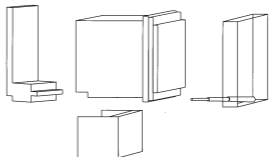
**Assembly**

**MIL 72 D150**
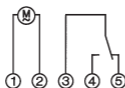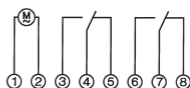
**MIL 72A D150**

**MIL 72E D150**

**MIL 72 D250**

**Connection**

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

MIL 72 D250

GB

**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

**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

**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

**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

GB

**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**

REVIEW
NEW
DELETE
△ ▽  ESC OK

only with 2-channel version

FREE 50

CHANNEL
SELECT
1
☒ ✓  E

CHANNEL
SELECT
1
☒  ESC OK

1 2 3 4 5 6 7
SELECT
DAY
CHL  ON
--¹
☒ ✓  ESC OK

5
HOURS
00
CHL  ON
--¹
+ −  ESC OK

5
MINUTES
15:00
CHL  ON
--¹
+ −  ESC OK

5
HOURS
00
CHL  OFF
--¹
+ −  ESC OK

5
MINUTES
18:00
CHL  OFF
--¹
+ −  ESC OK

SAVED
P01  P02

**Info**
The time switch has 50 memory spaces.
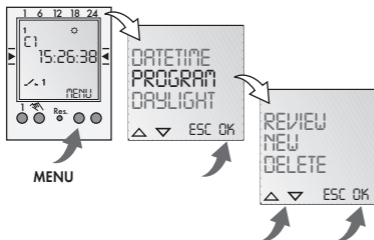
**Example**
ON command for channel 1 at 3 pm. OFF command at 6 pm.

· 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.

GB

**View, edit program**



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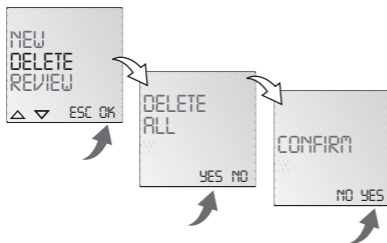- The respective program can be edited by pressing **EDT**.
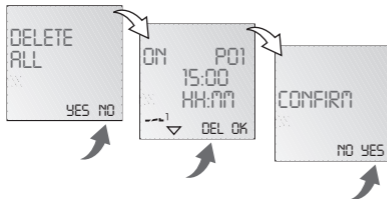  The procedure is the same as when creating a new program.

**Delete all programs**



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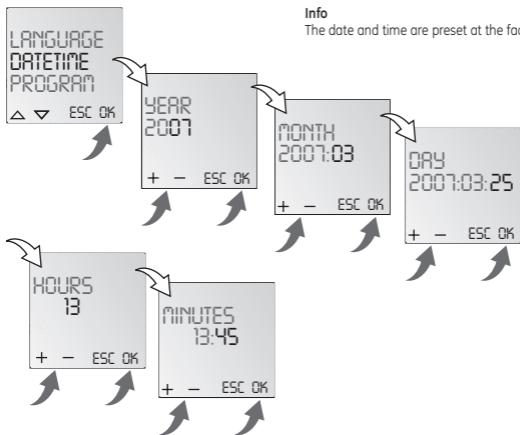- By pressing **NO**, individual programs can be deleted.

**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.

```
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.
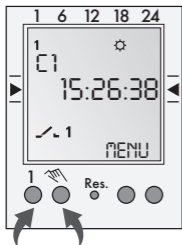
**NO**
No switchover

**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**

| | |
|---|---|
| **1 6 12 18 24** | **Info** |

```
1          ☼
C1
   15:26:38
∕. 1
        MENU
```

**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

1  ✍  Res.  ○ ○

**FIX ON:**   FIX ⌐¹

**FIX OFF:**  FIX ∕.¹

**AUTO:**  (no display) programmed switching times

GB