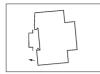
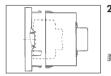
1. Contents

1.	Contents	Page
2.	Assembly, putting into operation, connection	3
3.	Control elements	4
4.	Display	4
5.	Factory setting	5
6.	Changing settings	6
6.1	Time and day of the week	6
6.2	Calendar month and day	7
6.2.1	AU = Automatic changeover	7
6.2.2	cHA = Weekday-related time change	8 - 9
6.2.3	no = no changeover	10
7.	Standard switching commands	11
8.	Weekday block formation	12 - 13
9.	Read – change – delete – reset	14 - 15
10.	Hand switch	16
11	Technical data	17

2

GB





2.1 Assembly

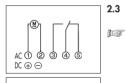
Fit the time switch

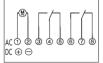
- on a DIN rail
- optional wall surface-mounting Surface-mounting set for 2 and 3 module spacings Article No. 03.53.0083.2

2.2 Putting into operation

The time and date are set at the factory. The time switch is in Energy-saving mode. Only the colon flashes.

- IPress any key:
 - The time switch is actived
 - It displays the time (day of the week)





Connection

See information on the unit!

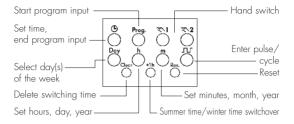
Press any key to activate the time switch

the time and date is displayed
 Note:

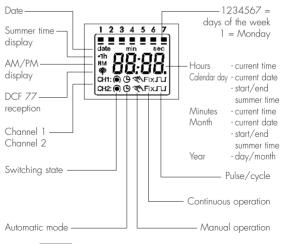
If no key is pressed the time switch is automatically activated after approx 1 - 2 minutes

Safety instruction:

- When operating the clock safety low voltage, only safety low voltage may be connected.
- When operating the clock with function low voltage, mains voltage (230 ~) or function low voltage may be connected. The connection of safety low voltage is not admissible in this case.



4. Display



GB

The selections correspond to Central European Time. The time switch offers 3 Operating modes. The date and time, and also the Operating mode AU are set.

Operating modes:

• AU Automatic summer time controller switchover see 6.2.1

The switchover occurs on the dates defined by the legislator.

cHA Weekday-related summer time controller switchover, see 6.2.2

You enter the start and end dates of summer time which applies to your location/country.

e.g. The first Sunday in April of the current year (start of summer time) The last Sunday in October of the year (end of summer time)

In the following years, changeover always occurs on the right day of the week in the correct calendar week.

no No changeover, see 6.2.3

AM/PM switch-over Switch clock is in current operating mode

- 1. Press h and keep pressed
- 2. Press Res once
 - all segments are displayed
 - after approx. 1 second the following appears: AM, 12.00 and 3 (Wednesday)

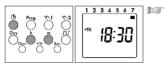
Operating mode AU is active = works setting

- 3. Release h
- 4. Select operating mode as required, see 6.2.1 or 6.2.2 or 6.2.3
- 5. Set the current time of day and weekday, see 6.1

Note:

You can exit/conclude any adjustments, changes you make at any time with the key \bigcirc .

6.1 Time and day of the week



🗉 Press the 🕒 key once

Set the time:

With the h key – hours With the m key – minutes

Note for weekly time switch:

If the Operating mode

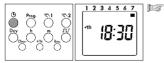
no = no change - see 6.2.3

was selected, the day of the week must **now** be set.

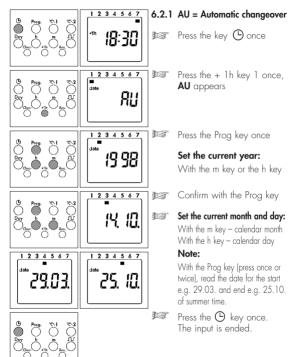
```
With the Day 1 - Monday
key select: 2 - Tuesday
3 - Wednesday
:
7 - Sunday
```

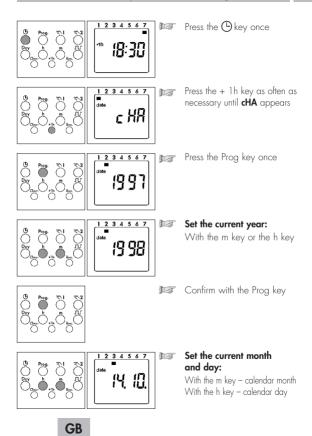
Press the 🕑 key once. The input is ended.

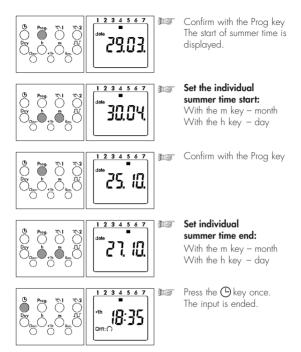


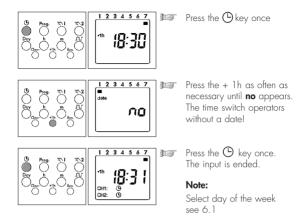


6.2.1 AU or 6.2.2 cHA or 6.2.3 no





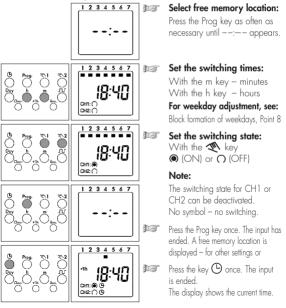




You determine the switching times and the switching state for the relevant switching output (channel.) Symbol: CH1: (Image) (ON) = Channel 1 CH2: (Image) (OFF) = Channel 2

These assignments are possible:

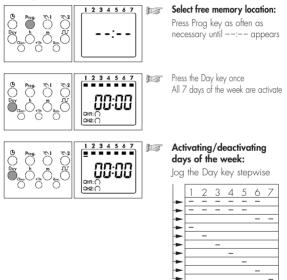
- Switching commands only for channel 1
- Switching commands only for channel 2
- The same switching commands for channel 1 and channel 2 (the switching time and switching state are identical)
- The same switching time for channel 1 and channel 2 but with a different switching state.



Defined combinations of weekdays or individual days

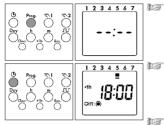
You determine the weekdays for your switching program. 1 - Monday, 2 - Tuesday, 3 - Wednesday ..., 7 - Sunday

Example: Monday ... Friday (8:00 ON; 22:00 OFF)



Note:

Enter the switching times and the switching state O=ON; O=OFF for the relevant switching state (channel). For standard switching commands, see 7.



Press the Prog key once. The input is ended. A free memory location is displayed - for further settings or

press the ⁽¹) key 1 once. The input is ended. The display shows the current time.

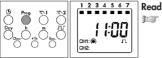
Note:

After the procedures

- read, modify or delete the time, date, switching program
- DCF synchronisation
- restoration of mains power the switching state of the time switch is updated automatically.

Read – change – delete – reset

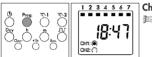
- You can read the program contents stepwise
- You can change or overtype the program contents
- You can delete the program contents
- You can delete the date and time



Read

Press the Prog key step by step Fach individual content is displayed until the end of the program. Then:

- One free memory location
- One diait (free memory locations) (ex. Fr 10)

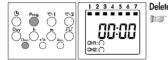


Change

1.3 Press the Prog key step by step as far as the switching command/contents which you want to change/overtype. Change the switching command/ contents:

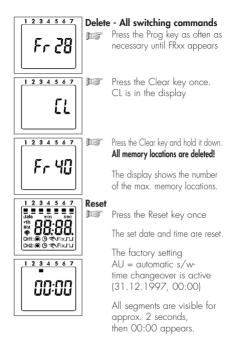
As described in

Weekday block formation 8



Delete - individual switching commands

- Press the Prog key step by step as far as the switching command/contents which you want to delete.
- के स्ट्र Press the Clear key once. This switching command is deleted.



AU = automatic s/w time changeover See point 5 and 6 for setting the current date. You change – manually – the current switching state. However, the individually set switching program is preserved.

1 for channel 1
2 for channel 2

\bigcirc = automatic	🔊 = Manual mode	FIX = continuous operation
$O \oplus = OFF$	• • • ON	FIX = Continuous ON
• • = ON	0 🏹 = OFF	\cap FIX = Continuous OFF
The switching state corresponds to the entered program.	You change – m a n u a l l y – the current switching state. The next switching command in the program is executed automatically again.	You change - m a n u a l l y - the current switching state. Only with the Key do you switch from continuous operation back to Automatic mode.

	1 channel daily program	1 channel weekly program 2 channel weekly program
Dimensions (H x W x D) mm Distributor cut-out mm Weight g (approx.) Connection Power consumption: Switching capacity at 230 V AC	45 x 36 x 60 46 x 36 170 see unit imprint see unit imprint	45 x 36 x 60 46 x 36 170 see unit imprint see unit imprint
 ohmic load (VDE, IEC) ohmic load (VDE, IEC) inductive load cos \u03c6 0,6 glow lamp load Switching output Switching contacts Protection class Protection type 	16 A/250 V AC 2,5 A/250 V AC 1000 W potential-free 1 or 2 changeover contacts II II 20	16 A/250 V AC 2,5 A/250 V AC 1000 W potential-free 1 or 2 changeover contacts
Running accuracy DCF 77 radio operation Running reserve type Running reserve Shortest switching time Programmable Memory locations Switching preselection Hand switch	± 2.5 s/day at +20° C	± 2.5 s/day at +20° C - Lithium 3 years from factory 1 minute every minute 20/30 yes Automatic/preselection Fix ON Fix OFF
Switching state display Block formation of weekdays Summer/winter time switchover Connection type Ambient temperature Led sealable	yes - automatic/freely selectable captive +/- screw terminals - 25° C + 55° C yes	yes fixe assignment automatic/freely selectable captive +/- screw terminals - 25° C + 55° C yes