Talento 791-792 timer instructions

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.
· Fixed and flexible conductors of up to 10 mm² may be attached to the external terminal clips.
· Flexible cables with a cross-section ≤ 1 mm² should not be attached.

General information

· Deactivation commands take priority over activation commands.
· If the power supply is correct, the dots shown between the hours and minutes (HH:MM) are displayed permanently. The dots flash if the power supply is interrupted.
· If there is no power supply, the position indicator display goes out after 2 minutes.
· The whole display flashes the battery needs to be changed for up to 2 weeks to warn that.
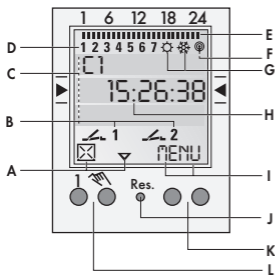
Installation on DIN rail
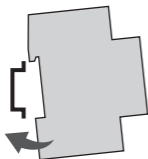
Terminal diagram
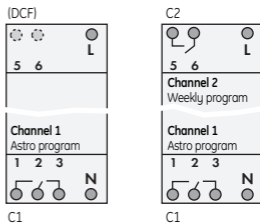
Display

A Function displays of the two left-hand buttons

B Channel status displays
- ᴸᴸ **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 Radio antenna

G Display of summer/winter time

H Operating voltage (permanently lit dots)
Reserve power operation (dots flash)

I Function displays of the two right-hand buttons

Buttons

J 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).

K Right-hand buttons

L 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
+	Pressing briefly = +1
	Pressing long (approx. 2 sec) = +5
-	Pressing briefly = -1
	Pressing long (approx. 2 sec) = -5

Function displays of the two right-hand buttons:

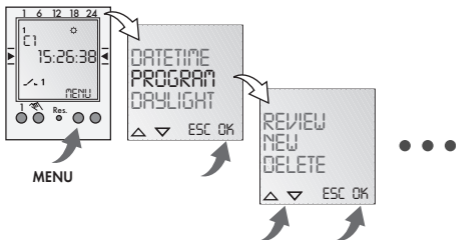|	
MENU	Exits the Automatic mode and enters the Programming mode
ESC	Pressing briefly = one step back
	Pressing long (approx. 2 sec) = return to Automatic mode
OK	Make selection and apply
EDT	Change request in Read mode
NO	Do not execute command
YES	Execute command
DEL	Delete

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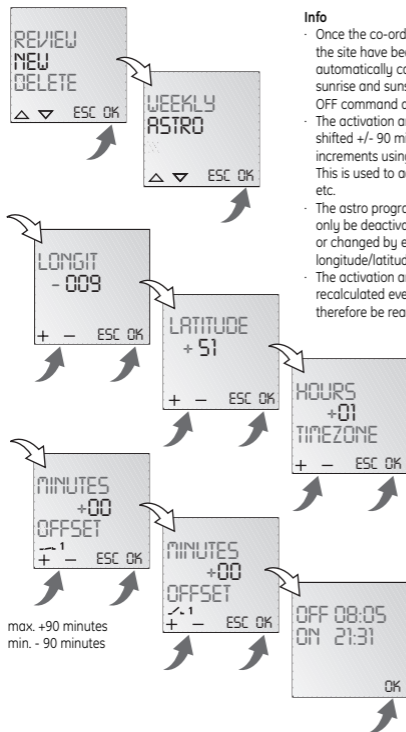**Initial start-up - selection of menu language**
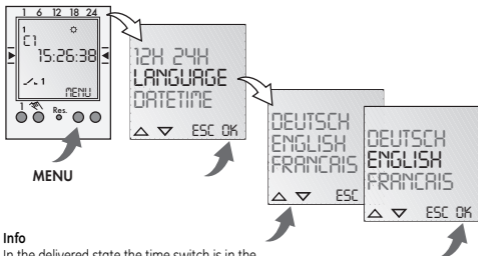
MENU

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

Prog.

MENU

Astro program

REVIEW
NEW
DELETE
△ ▽   ESC OK

WEEKLY
ASTRO
△ ▽   ESC OK

LONGIT
- 009
+ −   ESC OK

LATITUDE
+ 51
+ −   ESC OK

HOURS
+01
TIMEZONE
+ −   ESC OK

MINUTES
+00
OFFSET
+ − 1   ESC OK

MINUTES
+00
OFFSET
+ − 1   ESC OK

OFF 08:05
ON 21:31
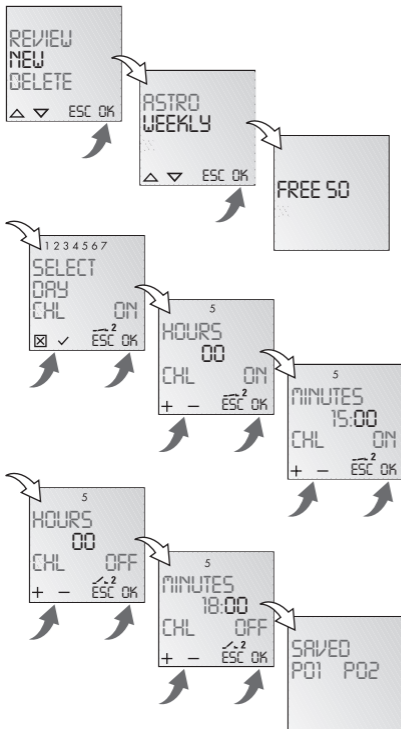OK

max. +90 minutes
min. - 90 minutes

Info

· Once the co-ordinates (longitude/latitude) of the site have been entered, the astro program automatically calculates the daily time of sunrise and sunset. ON command at sunset. OFF command at sunrise.

· The activation and deactivation times can be shifted +/- 90 minutes in one-minute increments using the OFFSET function.
This is used to adapt to local circumstances etc.

· The astro program cannot be deleted. It can only be deactivated using the manual switch or changed by entering new coordinates for longitude/latitude etc.

· The activation and deactivation times are recalculated every day. The program cannot therefore be read.

· The activation and deactivation times can be read off from the overview of the daily switching program (D) or upon completion of programming and once confirmed by pressing OK.

For time zones, see overview
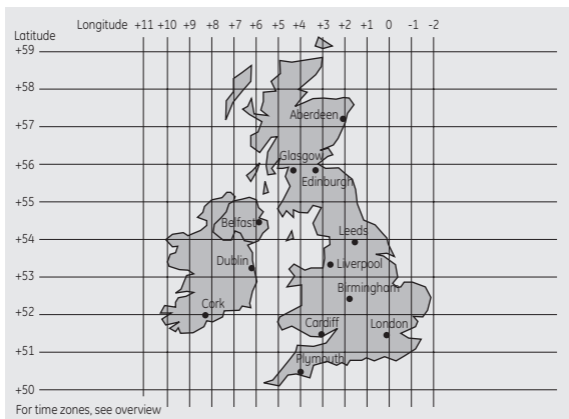
Site	Longitude	Latitude		Site	Longitude	Latitude
Aberdeen	+2	+57		Limerick	+9	+53
Belfast	+6	+55		Liverpool	+3	+53
Birmingham	+2	+52		London	+0	+52
Brighton	+0	+51		Londonderry	+7	+55
Cardiff	+3	+51		Newcastle	+2	+55
Cork	+8	+52		Norwich	-1	+53
Coventry	+2	+52		Nottingham	+1	+53
Dublin	+6	+53		Oxford	+1	+52
Dundee	+3	+56		Plymouth	+4	+50
Edinburgh	+3	+56		Sheffield	+1	+53
Galway	+9	+53		Southampton	+1	+51
Glasgow	+4	+56		Southend	-1	+52
Inverness	+4	+57		Stoke	+2	+53
Ipswich	-1	+52		Swansea	+4	+52
Kilkenny	+7	+53		Waterford	+7	+52
Leeds	+2	+54		York	+1	+54

Definition of location: http://www.multimap.com

Weekly program (only with 2-channel version)

REVIEW
NEW
DELETE
△ ▽　ESC OK

ASTRO
WEEKLY
△ ▽　ESC OK

FREE 50

1234567
SELECT
DAY
CHL　　ON
☒　✓　ESC² OK

5
HOURS
00
CHL　　ON
+　−　ESC² OK

5
MINUTES
15:00
CHL　　ON
+　−　ESC² OK

5
HOURS
00
CHL　　OFF
+　−　ESC² OK

5
MINUTES
18:00
CHL　　OFF
+　−　ESC² OK

SAVED
P01　P02

Info
The time switch has 50 memory spaces.

Example
ON command for channel 2 at 3 pm. OFF command at 6 pm.

· Select NEW program and confirm with **OK**.
· Select WEEKLY and confirm with **OK**.
· The free memory spaces are briefly displayed.
· 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.
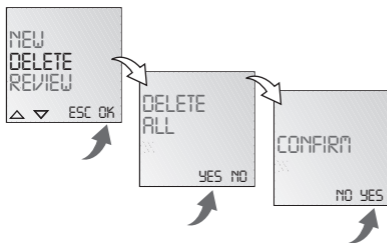
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View, edit program
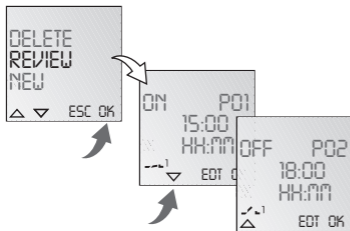
Info
· The program steps can be scrolled through with ▼ ▲.
· The respective program can be edited by pressing **EDT**.
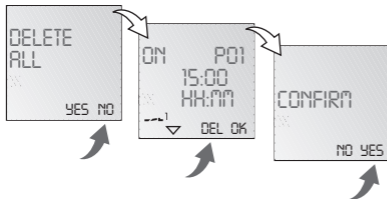The procedure is the same as when creating a new program.

Delete all programs

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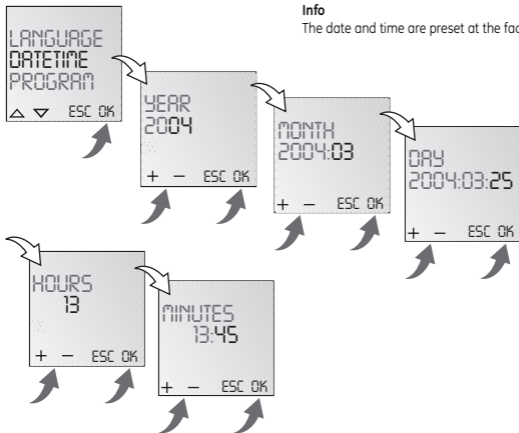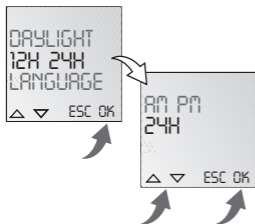
Delete individual programs

Info
When deleting individual programs, all associated 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
2004
+ − ESC OK

MONTH
2004:03
+ − ESC OK

DAY
2004:03:25
+ − 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

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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
```
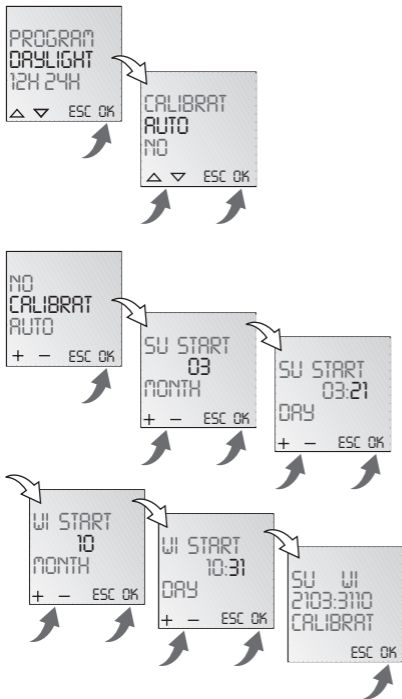
Info

The following settings are possible:

AUTO

Factory presetting of the published calendar dates. This is automatically recalculated for each year.
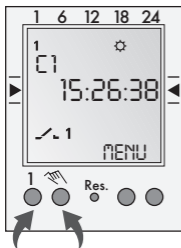
NO

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

Technical Data

Dimensions H x W x D	45 x 35 x 60 mm		Ambient temperature	-13°F to 131°F (25°C to +55°C)
Weight g (approx.)	170			
Supply voltage	see imprint on device		Protection class	II
Power consumption	5 VA		Accuracy	typ. ±2.5 s/day at 68°F (20°C)
Switching capacity				
- ohmic load (VDE, IEC)	16 A/250 VAC		Reserve power	3 years from factory at +20°C (20°C)
- inductive load cos φ 0.6	8 A/250 VAC		Shortest switching time	1 min.
- Incandescent lamp load	1,000 W		Memory spaces	50
Switching output	potential-free		Block formation of day of the week	fixed/free selection
Switch contacts	1 or 2 changeover contact(s)		Switching status display	yes
			Sealable	yes

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