Dimmer time switch
AlphaLux³ D21
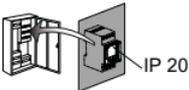
4126 26 / 27

Llegrand®

Technical data	4126 26	4126 27		
Supply voltage	230 V 50/60 Hz	120 V 50/60 Hz		
Effective power consumption	ca. 1 W			
Contact rating: Parallel compensation	1 changeover contact 16 A 250 V~µ cos φ = 1 600 W max. 70 µF			
Accuracy	~ 0,1 s / day			
8 mm	single strand	multi strand		max. 1,4 Nm
	1,5...4 mm²	1,5...2,5 mm²		
Programmes	56			
Battery reserve	5 years			
Control line length	max. 50 m			
Delay	30 … 300 s			
Switching threshold	1 lx … 100 klx			
	-20° C … +60° C			-20° C ... +60° C
	-20° C … +55° C			-20° C ... +70° C
IP:	IP 20	IP:	65	

General information

Start-up: after applying the supply voltage, the time switch starts automatically with the last selected function. The relay position is set by the current program.

A program must be set in order for the device to function

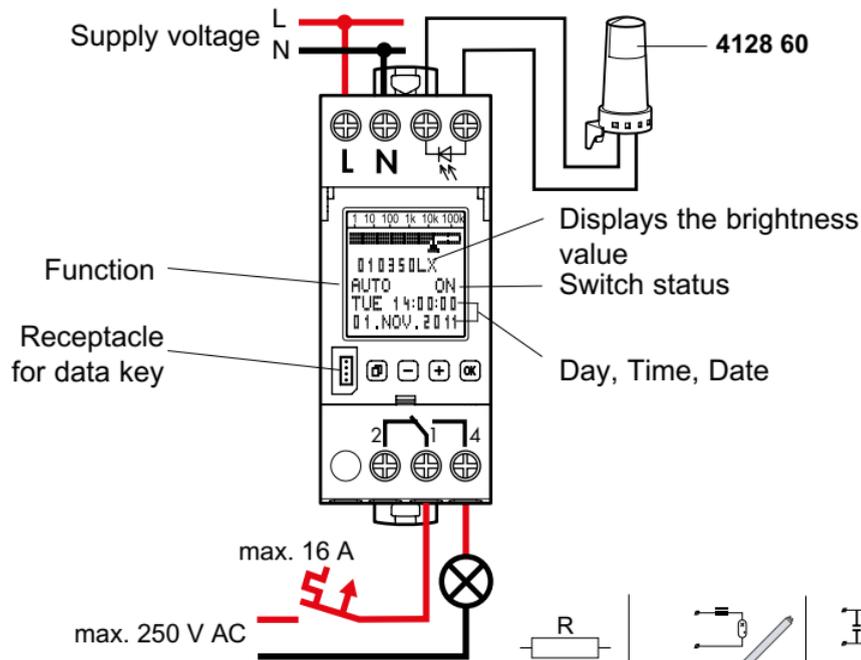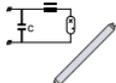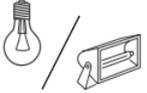| Button	Function
🔲	Select menu, back to main menu, Hold down > 1s = operating display
OK	Confirm selection or load parameters
−	Select menu options or set parameters For operating indicator: Display of lux value.
+	Select menu options or set parameters. For operating indicator: Display of next switch time

Supply voltage L N

4128 60

L N

Displays the brightness value
Switch status

Function

```
1 10 100 1k 10k 100k
010350LX
AUTO      ON
TUE 14:00:00
01.NOV.2011
```

Receptacle for data key

Day, Time, Date

2 1 4

max. 16 A

max. 250 V AC

Operating principle: Typ 1.B. S. T.
IEC/EN 60730-1, IEC/EN 60730-2-7
Montage (time switch): in distribution panel,
Degree of contamination: 2
Switch output, potential-free
Rated impulse voltage: 4 kV

R			
4000 W	2000 VA	600 W 70µF	2000 W

				LED
2000 W	2000 W	2000 W	1000 W	1000 W

Overview

MENUE
FUNCTION
SET
PROGRAM
DATA KEY
GB,DE,FR....
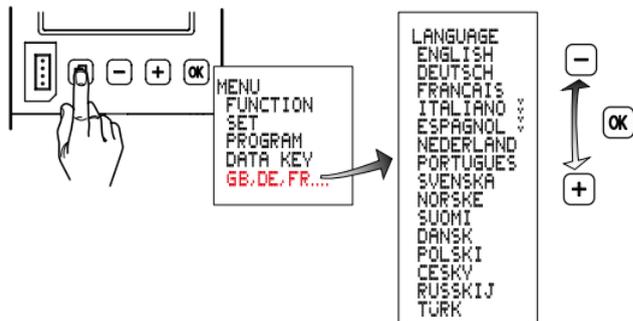OPTIONS

❷
SET
TIME/DATE
SUMMERTIME
BRIGHTNESS

❸
PROGRAM
NEW
EDIT
CHECK
DELETE

❶
LANGUAGE
ENGLISH
DEUTSCH
FRANCAIS
ESPAGNOL
ITALIANO
NEDERLANDS
DANSK
SUOMI
ELLINIKI
NORSK
POLSKI
PORTUGES
RUSSKIJ
SVENSKA
TUERK DILI

OPTIONS
❽ HOLIDAYS
❾ COUNTER
❻ RANDOM
1h-TEST
❶❷ SYNC
CYCLE
❶❸ PINCODE
❶⓪ CONTRAST
❺ INFO

This symbol indicates that
the selection is active.

❼
DATA KEY
READING
WRITING

❹
FUNCTION
AUTO
CONST ON
CONST OFF
EXTRA

1 **Set language**

MENU
FUNCTION
SET
PROGRAM
DATA KEY
GB,DE,FR....

LANGUAGE
ENGLISH
DEUTSCH
FRANCAIS
ITALIANO
ESPAGNOL
NEDERLAND
PORTUGUES
SVENSKA
NORSKE
SUOMI
DANSK
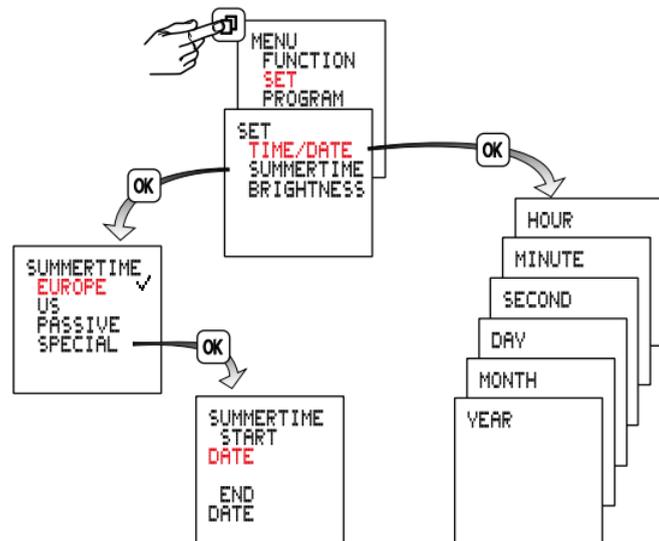POLSKI
CESKY
RUSSKIJ
TURK

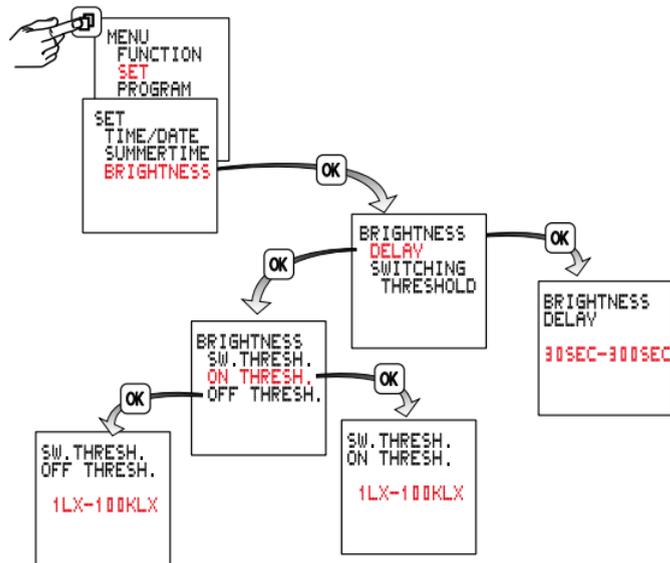**2** **Set time/date, summertime/wintertime**

Summertime: ± 1 hour
Europe: Factory set
SPECIAL: The switchover to/from summertime can be freely programmed by entering a start date and end date and is then executed each year on the same day of the week, e.g. Sunday

MENU
FUNCTION
SET
PROGRAM

SET
TIME/DATE
SUMMERTIME
BRIGHTNESS

SUMMERTIME ✓
EUROPE
US
PASSIVE
SPECIAL

SUMMERTIME
START
DATE

END
DATE

HOUR
MINUTE
SECOND
DAY
MONTH
YEAR

2 Settings for brightness-dependent switching

The delay time prevents switching back and forth when brightness and darkness change quickly (e.g. clouds passing by).
The default setting is 90 seconds. The setting range is from 30 to 300 seconds.

The time switch compares the brightness value measured at regular intervals to the set switch-on and switch-off threshold. If the set brightness value drops below the set switching threshold, the time switch switches on the connected light sources. If the set brightness value exceeds the set switching threshold, the time switch switches off the connected light sources.
The switching thresholds can be set separately between 1 lx and 100 klx.

3 Programming
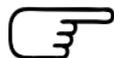
👉 **A program must be set in order for the device to function.**

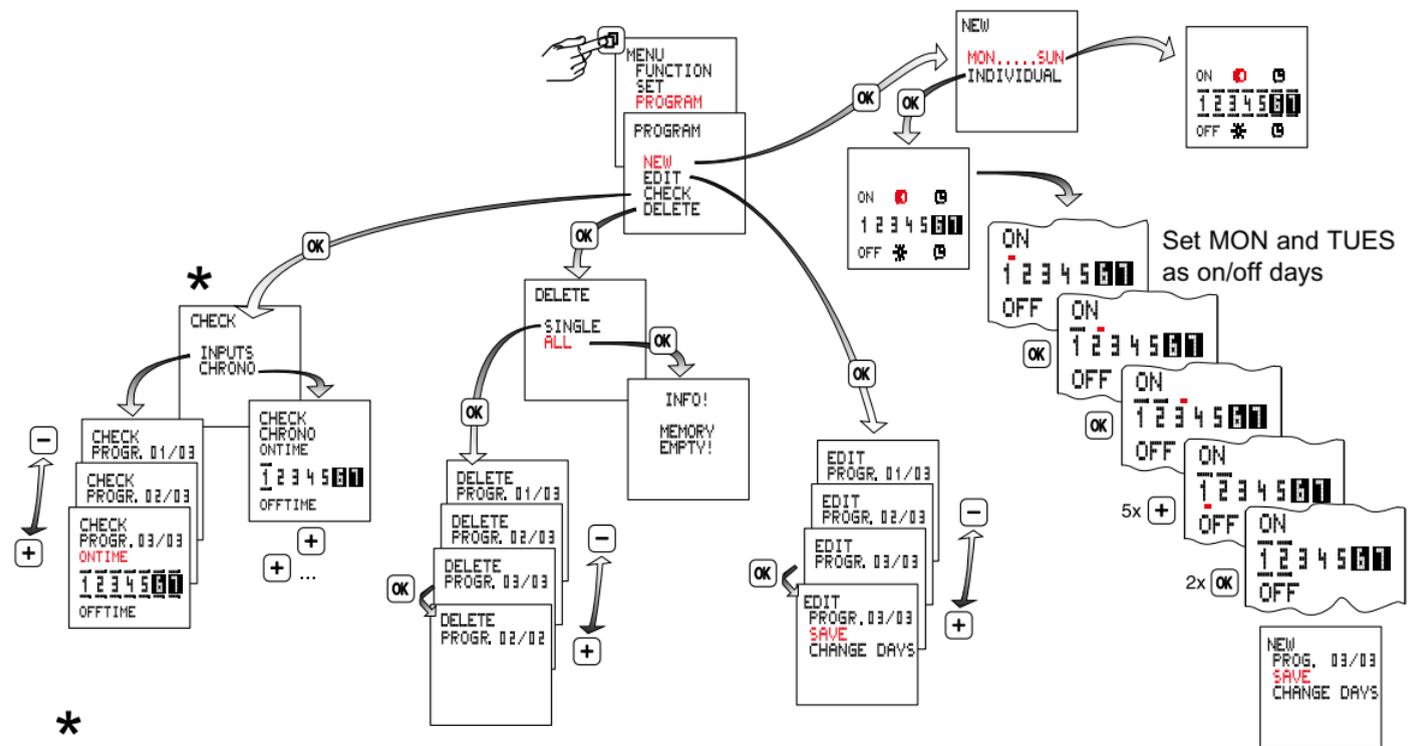|	Switching on	Switching off
1	Time 🕙	Time 🕙
2	Brightness 🔅	Brightness ☀
3	Brightness + Time 🔅 ✛ 🕙	Brightness + Time ☀ ✛ 🕙
4	Brightness 🔅	Time 🕙
5	Time 🕙	Brightness ☀

A program consists of an ON time, OFF time and associated on and off days.
Programs with predefined on/off days Mon to Sun. For this program, you only need to set the switching times.
With the „INDIVIDUAL" option, you can allocate switching times to specific days of your choice.
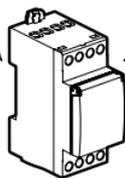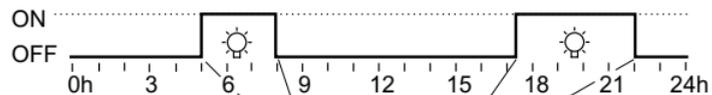The programs of a channel are combined with a logical OR.

3 Programming

Set MON and TUES as on/off days

*

CHRONO = All switch commands are executed in chronological order in a week
INPUT = Programs are executed in the order in which they are entered

Programming examples

**Switching on and off exclusively time-controlled**

Select the appropriate symbol with the PLUS and MINUS keys:

⬙ Switching on in acc. with preset switch-on threshold

☀ Switching off in acc. with preset switch-off threshold

🕘 ON/OFF at programmed time

⬙ + 🕘 / ☀ + 🕘 Switching on / off in acc. with switch-on/off threshold in specified period
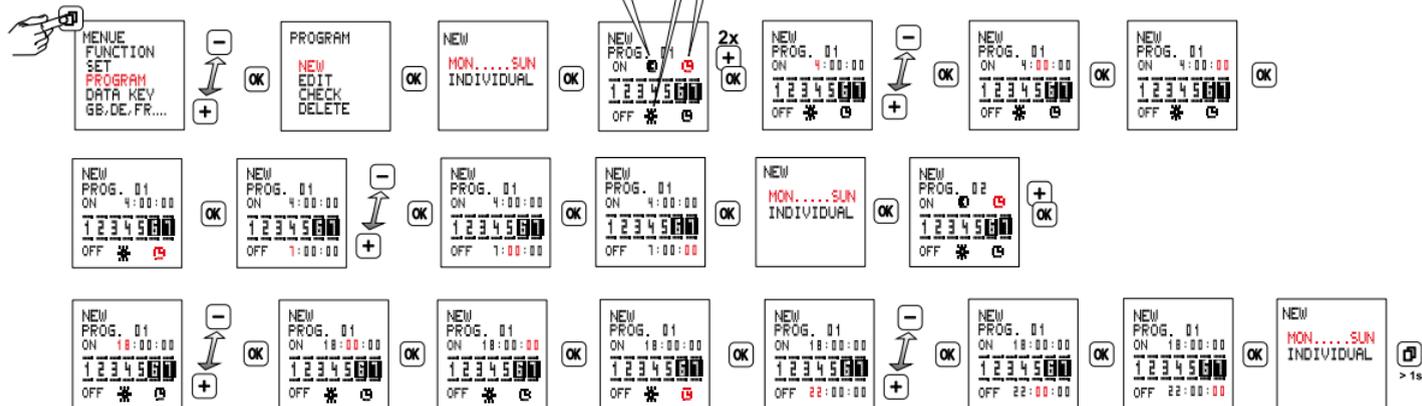
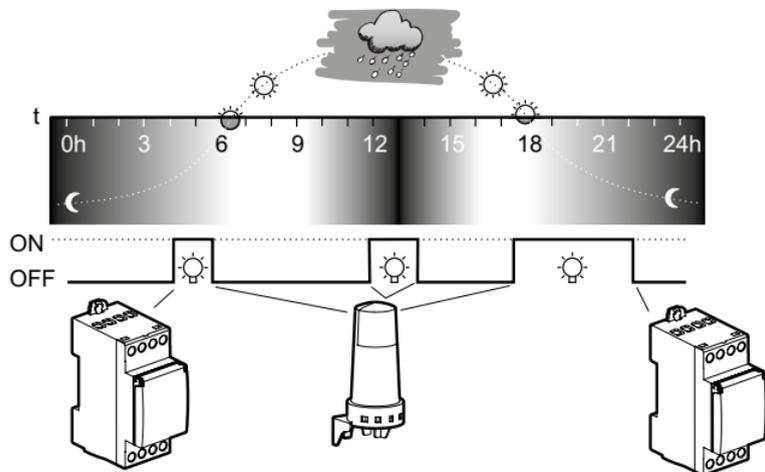**Switching on and off exclusively dependent on brightness**
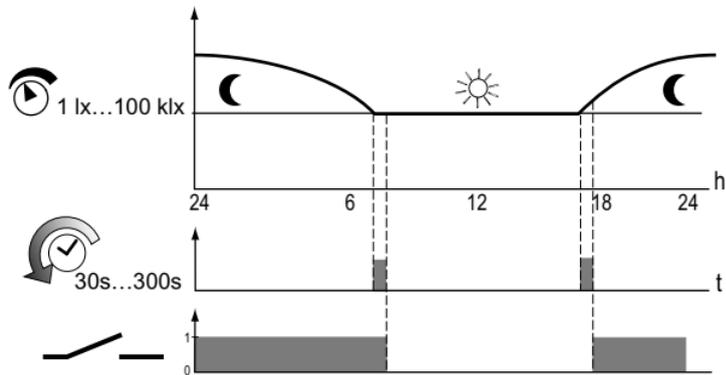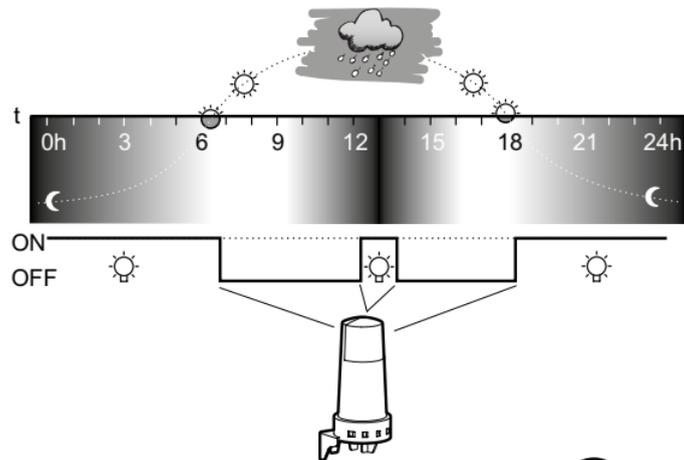
The time switch compares the brightness value measured at regular intervals to the set switch-on and switch-off threshold.
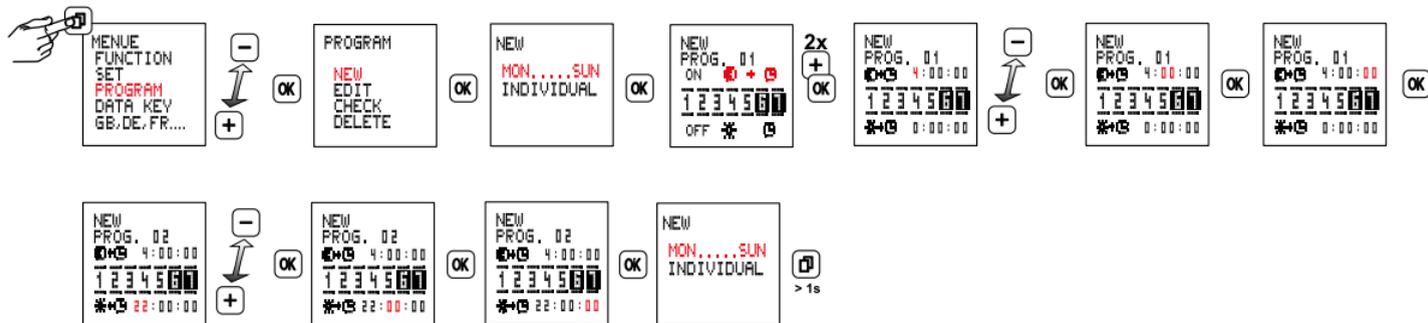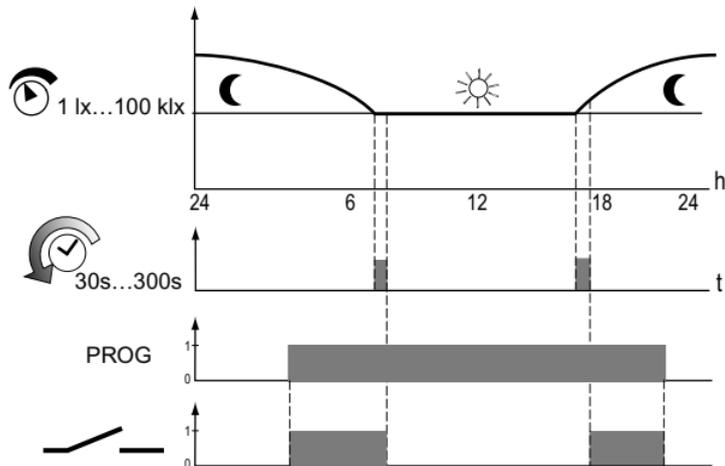If the set brightness value drops below the set switching threshold, the time switch switches on the connected light sources. If the set brightness value exceeds the set switching threshold, the time switch switches off the connected light sources.
The switching thresholds can be set separately between 1 lx and 100 klx.

Within a specified switch-on/off time, the brightness determines the switching times

1 lx…100 klx

24 6 12 18 24 h

30s…300s t

PROG 1 0

1 0

MENUE
FUNCTION
SET
PROGRAM
DATA KEY
GB,DE,FR....

PROGRAM
NEW
EDIT
CHECK
DELETE

NEW
MON.....SUN
INDIVIDUAL

NEW
PROG. 01
ON
1 2 3 4 5 6 7
OFF

NEW
PROG. 01
4:00:00
1 2 3 4 5 6 7
0:00:00

NEW
PROG. 01
4:00:00
1 2 3 4 5 6 7
0:00:00

NEW
PROG. 01
4:00:00
1 2 3 4 5 6 7
0:00:00

NEW
PROG. 02
4:00:00
1 2 3 4 5 6 7
22:00:00

NEW
PROG. 02
4:00:00
1 2 3 4 5 6 7
22:00:00

NEW
PROG. 02
4:00:00
1 2 3 4 5 6 7
22:00:00

NEW
MON.....SUN
INDIVIDUAL

2x
> 1s

Switching on brightness-dependent, switching off time-controlled

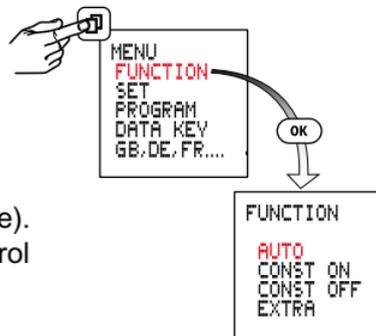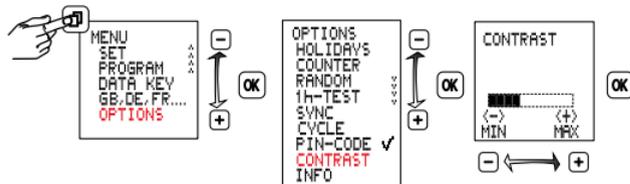**Switching on time-controlled, switching off brightness-dependent**
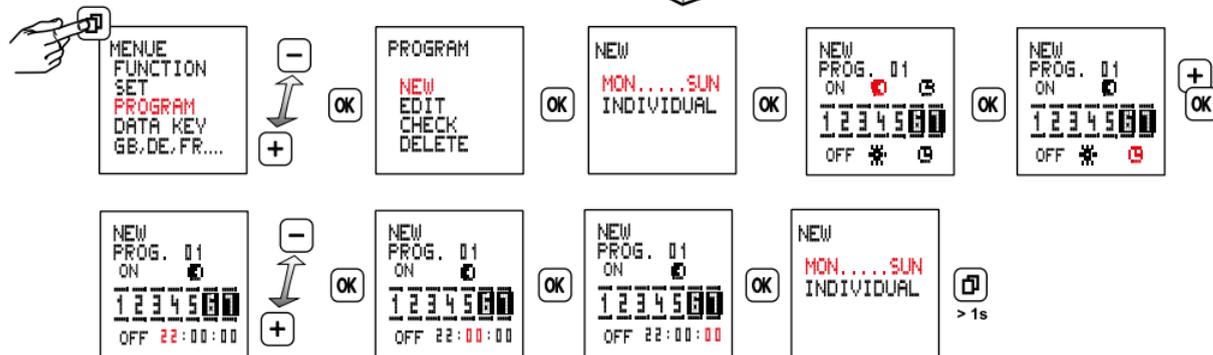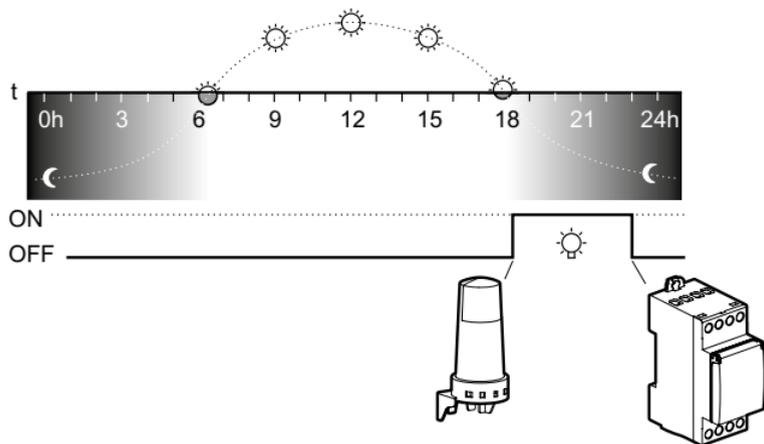
4 Modes

- **Auto** - Automatic operation
- **Constant ON**
- **Constant OFF**
- **Extra**

  The switch status imposed by the program is inverted (manual override).
  With the next effective switch command, the time switch resumes control
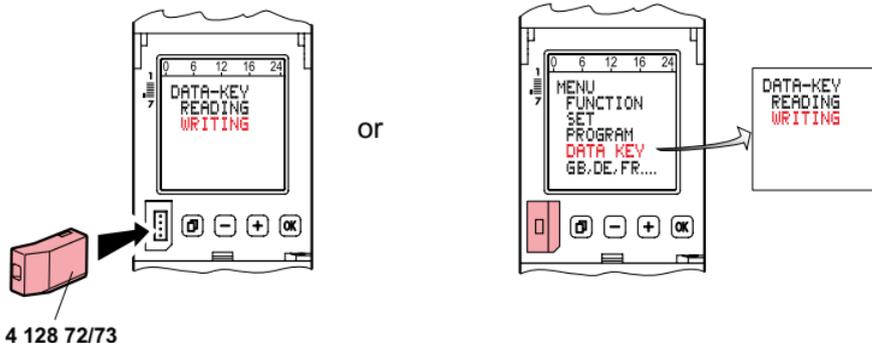 of on/off switching.

5 Contrast adjustment

6 1 h-Test

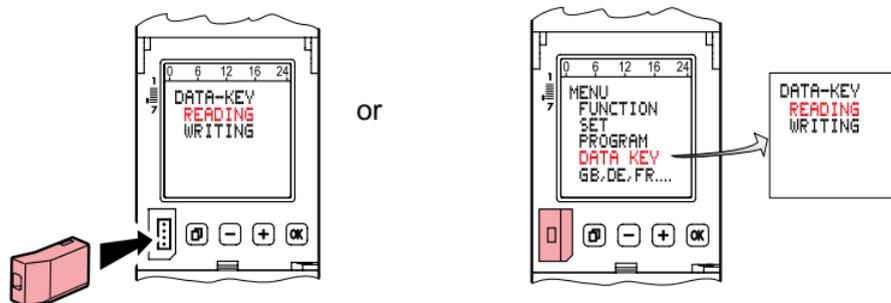When this function is activated, the output is switched on
for one hour.

After one hour, the time switch returns automatically to
the programmed mode.

7 Data key

4 128 72/73

Load the programs of the time switch on to a data key (WRITE KEY)
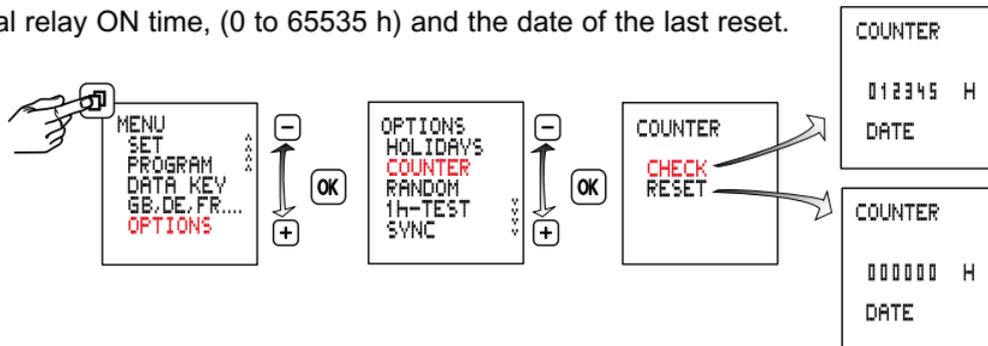**Warning!** all programs stored on the data key will be overwritten.

Load the programs from the data key to the time switch (READ KEY)
Warning! all programs programmed in the time switch will be overwritten.

8 Hour counter

Displays the total relay ON time, (0 to 65535 h) and the date of the last reset.

### 9 Random function

Function to simulate presence.
Function active: the programmed switching cycles are shifted at random within the range of ± 15 minutes.

10 Pincode

PIN CODE active: The menus of the time switch will not be accessible unless the PIN CODE has been entered. When the pin code is active, access to the button and key functions is disabled 1 minute after the last button press.
PIN free access can be re-enabled by selecting PASSIVE or by resetting the device.

Example
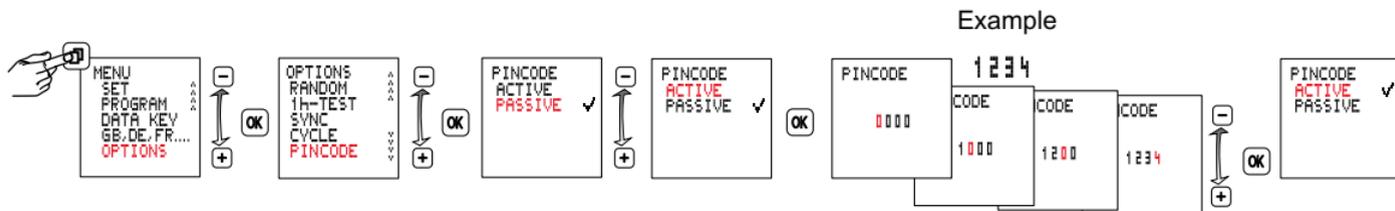
⑪ Holiday

After activation the holiday program is executed between 0:00h on the start date and 24:00h on the end date (Constant ON/OFF). After the holiday program has run once, it must be reactivated.
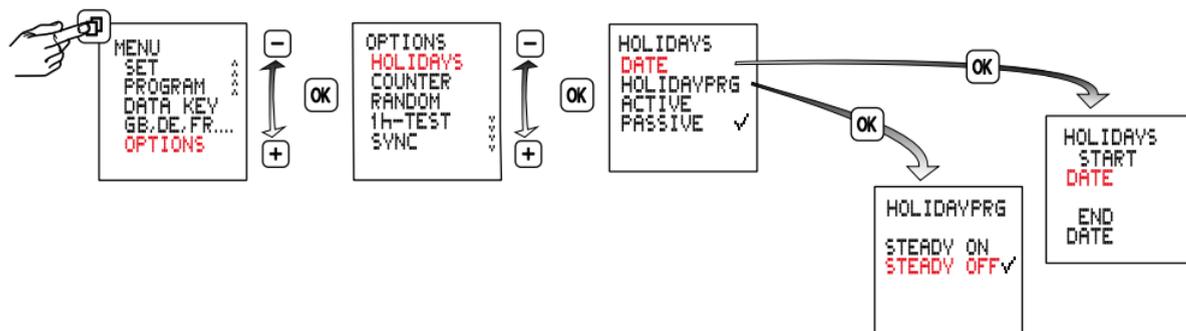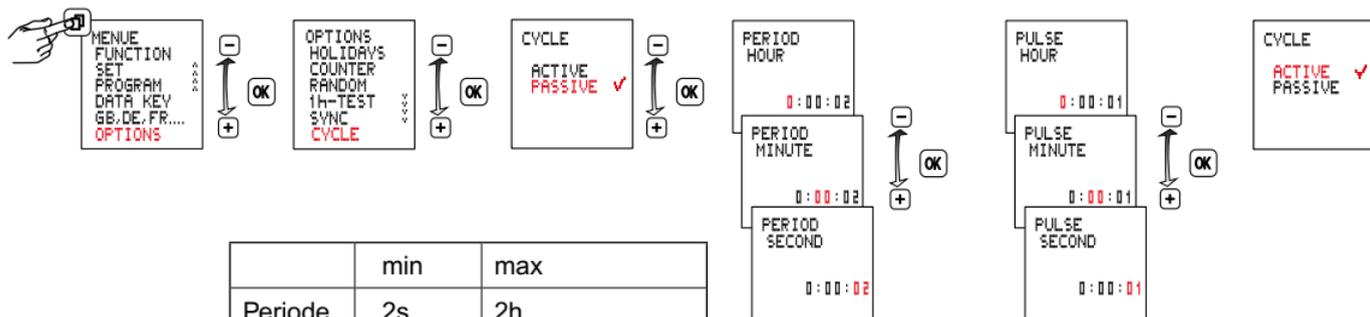
12 Activating and deactivating grid synchronisation

The default setting is PASSIVE. In order to improve the long-term accuracy, it is advisable to activate synchronisation if the time switch is supplied from a on 50/60 Hz grid with frequency adjustment.
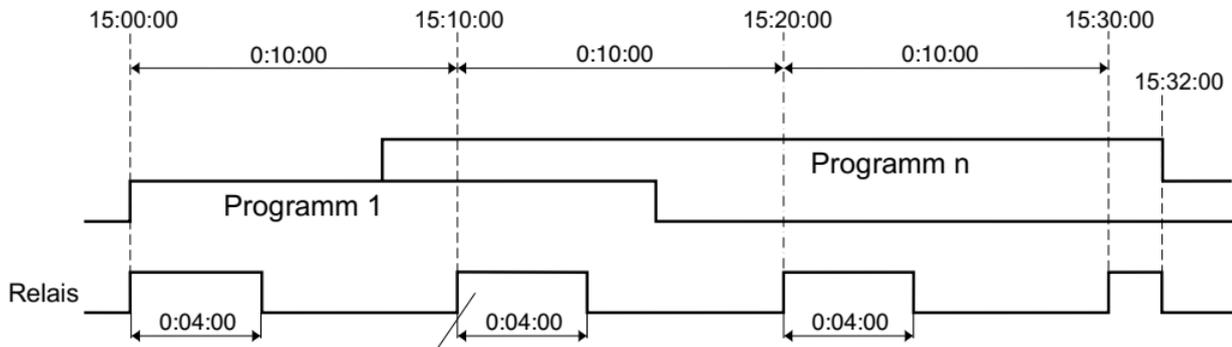
⓭ Cycle function

For cyclical switch commands the switching on time is set by logical "OR" of programs of all types. A fixed cycle of ON and OFF time then operates within those limits. The cycle always starts with the ON time. The cycle duration and the ON time within the cycle are the same length for all switching times. The cycle duration and the ON time can be set independently in one-second increments. If the switching time is shorter than the cycle duration, the cycle will be shortened accordingly. The ON time will remain unchanged. If the switching time is actually shorter than the ON time, the ON time will be shortened accordingly.

	min	max
Periode	2s	2h
Impuls	1s	1h 59min 59s

15:00:00 0:10:00 15:10:00 0:10:00 15:20:00 0:10:00 15:30:00

15:32:00

Programm n

Programm 1

Relais

0:04:00 0:04:00 0:04:00

```
    ≡
┌──────────┐
│ AUTO    ⊓⊔⊓ │
│ TU 14:00:00 │
│ 01.NOV.2011 │
└──────────┘
```

```
┌─────────────────────┐
│ 1 10 100 1k 10k 100k│
│ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ │
│      ERROR          │
│                     │
│ AUTO        ON      │
│ TUE 14:00:00        │
│ 01.NOV.2011         │
└─────────────────────┘
```

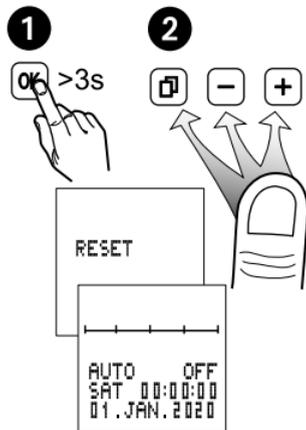No sensor connected, cable break or short circuit

Reset
Warning!
The memory will be cleared,
and all set data will be lost.

Hold down $\boxed{OK}$ for more than 3 seconds
and at the same time press and release
$\boxed{\Box}\,\boxed{-}\,\boxed{+}$.

The language, time, date, summertime/
wintertime, delay time, switching thresholds
and switching times will have to be
re-entered.

Warning: Elektrical shock - Disconnect all power from the
device before dismantling the module and replacing the
battery.
Always use a Li cell type battery (LiMnO$_2$) CR2477, 3V
high temperature type min +85 °C