INSTALLATION*guide*

inteo *CHRONIS RTS / RTS "L"*

Chronis RTS/RTS L is the programmable radio time switch in the new inteo-control range from SOMFY, which controls your electrically operated roller shutters or external blinds. Operating commands are transmitted by radio signal, significantly reducing the cost of installation.

The radio signal has a range of up to 300 metres in free field, or 20 metres through two concrete walls in buildings.

Chronis RTS/RTS L has several functions, which can fulfil individual requirements at the touch of a button:

Weekly program
set different times for automatic opening and closing of your roller shutters every day of the week.

Holiday security
set random times to give the impression of an occupied house.

Cosmic
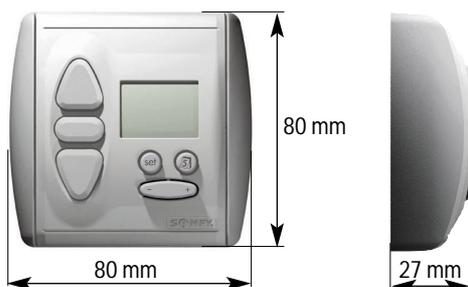roller shutters are activated automatically according to the times the sun rises and sets.

OFF setting
The automatic control can be turned off at the touch of a button.
A detailed description of each mode of operation is given under point 4 "Programming".

All functions of the **Chronis RTS** also apply for the **Chronis RTS L** for light sensor. Please read the instructions included with the light sensor.

1 Characteristics:

Supply:	2 x 1,5 V DC (Type : AAA LR03)
Degree of protection:	IP 30
Operating temperature:	+5°C to +40°C
Environmental conditions:	dry living areas.

80 mm
80 mm
27 mm

CE 0678①

Hereby, SOMFY, declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity is available at the web address *www.somfy.com* Héading *CE*
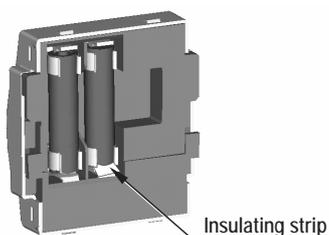
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2 Installation:

The range of radio control is limited by laws regulating radio devices and by building design. When planning, please ensure that there is adequate radio reception.

In order not to affect quality of reception, a minimum distance of 30 cm between a Chronis RTS/RTS L unit and a radio receiver should be maintained.
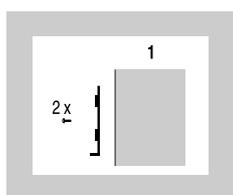
Chronis RTS/RTS L should not be installed in the immediate vicinity of metal surfaces. Powerful local transmitter equipment (e.g. cordless headphones) with a transmission frequency identical to the Chronis RTS/RTS L can affect its function.
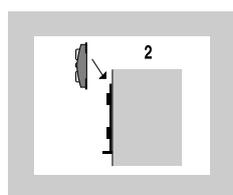
2.1   Assembly

The equipment is delivered with the batteries installed.
An insulating strip is placed between the battery pole and the contact.
This must be removed before installation, then the time is shown on the display.
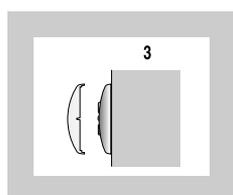
Insulating strip

Tip: Before assembly, check that there is adequate radio reception at the intended location.
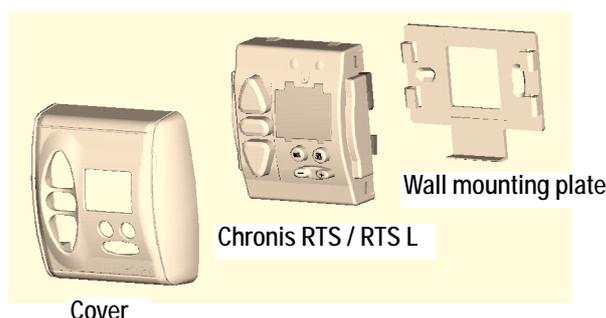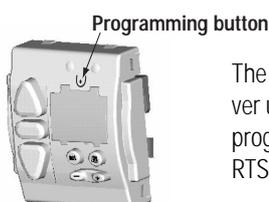
1.) Fix wall mounting plate to the wall using two screws

2.) Slide the Chronis RTS/RTS L onto the wall mounting plate from above

3.) Place the cover.

Cover

Chronis RTS / RTS L

Wall mounting plate

3 Radio programming:

Programming button

The procedure for tuning a Chronis RTS to a radio receiver depends on the type of receiver used. It is important to follow step by step the detailed description of the relevant programming procedure in the instructions which accompany each individual SOMFY RTS radio receiver.

3.1   Tuning

– Activate your chosen receiver (please refer to the installation guide of the relevant receiver).
– Press the programming button on the Chronis RTS/RTS L.
– "Prog" will appear on the display. Hold down the button until the RTS receiver confirms the tuning process.
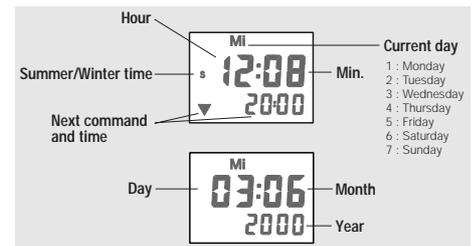
4 Timer programming:

4.1 First use

When setting or changing values:
➜ Values which flash can be changed.
➜ Always press (set) to end and store entered values.
➜ If no information is entered for approx. 20 seconds, the programming menu quits automatically.
    Information entered before this will not be stored.

Before setting the time and date, check whether the equipment's summer/winter time setting is correct.
Winter time is the factory default setting.

Setting summer or winter time
The corresponding setting is shown on the display as "S" for summer time or "W" for winter time.
Changing from winter to summer time
1. Press (set) briefly ➜ time flashes.
2. Press △ for more than 5 seconds ➜ display shows "S" for summer time.
3. Press (set) briefly (save) ➜ time displayed
Changing from summer to winter time
1. Press (set) briefly ➜ time flashes.
2. Press ▽ for more than 5 seconds ➜ display shows "W" for winter time.
3. Press (set) briefly (save) ➜ time displayed.

Setting the time
1. Press (set) briefly ➜ time flashes
2. Set time using ⊖ ⊕ button
3. Press (set) briefly (save) ➜ time displayed

Setting the date
1. Press (calendar) briefly ➜ date displayed (if no information entered within 10 seconds, display jumps back to time)
2. Press (set) briefly ➜ day flashes.
    Set day using ⊖ ⊕ button
3. Press △ briefly ➜ month flashes.
    Set month using ⊖ ⊕ button
4. Press △ briefly ➜ year flashes.
    Set year using ⊖ ⊕ button
5. Press (set) briefly (save) ➜ time displayed.

The day of the week is set automatically. The day/month/year selection can be gone through in reverse order using the DOWN button.

4.2 Setting operation mode

The Chronis RTS/RTS L has 5 different operating modes:

4.2.1 Weekly programme (▼ 20:00)
Roller shutters are opened or closed automatically at individually set times.
– Default opening time is set at 6:00, default closing time is 20:00.
– Different times can be entered for every day of the week. The display always shows the day of the week (or all weekdays) for which the entered time applies.
Changing the weekly programme (if required)

1. Press and maintain (set) until display shows the weekly programme ▼ 20:00 (if not already set).
2. Press (set) briefly ➜ time flashes.
3. Press △ briefly ➜ UP switching time flashes.
4. Press (calendar) until the desired day of the week or all weekdays are selected *
5. Set UP time using ⊖ ⊕ button.
6. Press ▽ briefly ➜ DOWN switching time flashes.
7. Set DOWN time using ⊖ ⊕ button.
If required, use (calendar) button to select the next week day and repeat steps (3) to (7).
8. Press (set) briefly (save) ➜ time displayed.

* 1 : Monday
  2 : Tuesday
  3 : Wednesday
  4 : Thursday
  5 : Friday
  6 : Saturday
  7 : Sunday

Note

If the UP or DOWN time is set between 23:59 and 0:00 using the ⊖ ⊕ button (see step (5) and (7)), the display shows **OFF**. The OFF setting allows the automatic opening and closing of roller shutters to be turned off intentionally for specific days.

To speed up setting of your weekly programme:

a.) Set the UP and DOWN times for the whole week

Follow steps (1) – (8), but at step (4) select all weekdays. Save by pressing (set)

b.) Setting the UP and DOWN times for the weekend

Follow steps (1) to (8) again for the weekend, but at step (4) select Saturday and Sunday

Save by pressing (set)

4.2.2 Holiday security setting (SEC)

– To make your house appear occupied while you are away, open and close the roller shutters at random times. The switching times set in the weekly programme for the automatic opening and closing of your roller shutters will be delayed or brought forward by +/- 15 minutes every day.
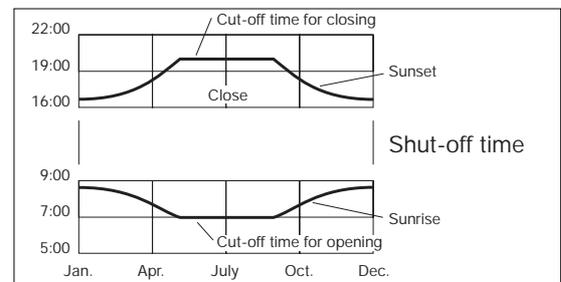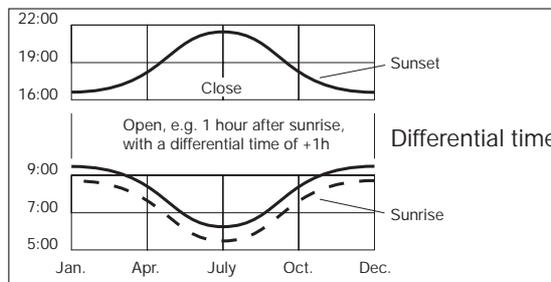
Press and maintain (set) until (SEC) appears on the display.

4.2.3 Cosmic 1 (COS 1)

– Open and close your roller shutters **at sunrise and sunset every day**. Additional **differential times** and **cut-off times** allow you to programme roller shutters to open and close according to your individual requirements.

– By entering a **differential time**, opening and closing can be adjusted independently by up to +/- 1h 59 mins. relative to sunrise and sunset times.

Entering a differential time

1. Press and maintain (set) until the display shows (COS 1) (if not already set)
2. Press (set) briefly ➜ time flashes and next switching command is displayed
3. Press △ briefly ➜ UP differential time flashes
4. Change UP differential time using ⊖ ⊕ button
5. Press ▽ briefly ➜ DOWN differential time flashes
6. Change DOWN differential time using ⊖ ⊕ button
7. Press (set) briefly (differential times are stored) ➜ time is displayed

There is no default differential time !

Entering cut-off times

1. Press and maintain (set) until the display shows (COS 1) (if not already set)
2. Press (set) briefly ➜ time flashes and the next switching command is displayed
3. Press △ twice quickly ➜ UP cut-off time flashes
4. Change UP cut-off time using ⊖ ⊕ button
5. Press ▽ twice quickly ➜ DOWN cut-off time flashes
6. Change DOWN cut-off time using ⊖ ⊕ button
7. Press (set) briefly (cut-off times are saved) ➜ time is displayed

The factory default setting is 6:00 for UP cut-off time and OFF for DOWN cut-off time !

If you do not wish these cut-off times to affect the opening or closing, and you want the roller shutters to be operated at sunrise and sunset and only with the corresponding differential times, you can set the cut-off time to OFF. To switch the cut-off time to "OFF", the cut-off time must be set to between 23:59 and 0:00 using the ⊖ ⊕ button.

4.2.4 Cosmic 2 (COS 2)

Cosmic 2 always opens the roller shutters at the times set individually in the weekly programme and closes them at the times set for Cosmic 1.

The cut-off and differential times set in Cosmic 1 are observed.

No changes can be made in Cosmic 2.

We reserve the right to make changes due to technical improvements.

4.2.5 OFF mode

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OFF
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In this operating mode, only manual commands are carried out.
– **Switching to OFF mode**
Press the "**+**" on the ⊙⊕ button briefly ➜ display shows OFF.
– **Switching from OFF mode to automatic mode**
Press the "**-**" on the ⊙⊕ button briefly ➜ display shows the time.

5 Manual operation

It is possible to operate the system manually at any time using the UP, DOWN and STOP/IP buttons.

Commands:
Pressing the UP or DOWN direction buttons will move the blind in the desired direction.

STOP command:
While the motor is running, a command can be stopped by pressing the STOP/IP button.
Depending on the receiver used, an intermediate position (IP) can also be called up using this button.

6 Battery

Chronis RTS/RTS L is powered by two standard 1.5 V alkaline manganese batteries (Micro/AAA type). Battery life is approx. 3 years with an average of 4 commands per day. As the battery power decreases, the display contrast will fade. If the display is illegible, the batteries must be changed.
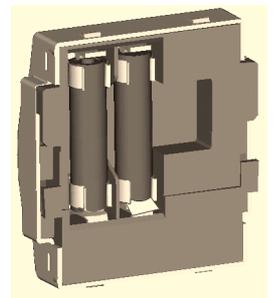
Changing the batteries:

– Carefully remove the cover of the Chronis RTS/RTS L using a small screwdriver (for RTS L, first disconnect the light sensor).

– Slide the Chronis RTS/RTS L unit upwards out of the mounting plate.

– Change the dead batteries, which are located on the back of the Chronis RTS/RTS L unit. Observe the polarity specified on the unit!

– Please dispose of the dead batteries at an appropriate collection point.

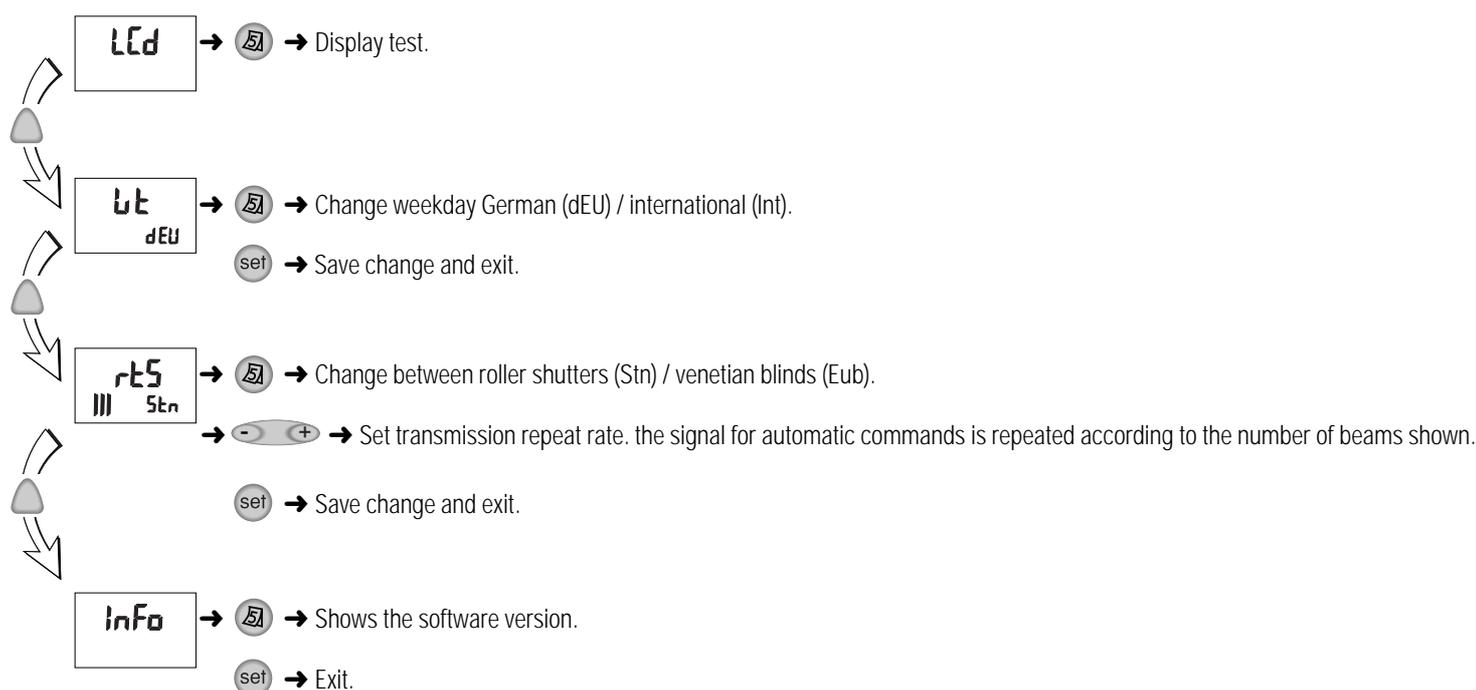**After changing the batteries, the date and time must be reset.**

The switching time settings will be stored permanently.

7 Diagnosis menu

This menu allows the unit to be checked and additional functions to be set.

To access the menu, press ⑤ + △ + ▽ simultaneously until **d 1A6** appears on the display. To change the menu options, press △ . If no information is entered for approx. 20 seconds, the diagnosis menu quits automatically.

The menu options :

LCd → ⑤ → Display test.

Lt dEU → ⑤ → Change weekday German (dEU) / international (Int).

set → Save change and exit.

rt5 ꟾꟾꟾ Stn → ⑤ → Change between roller shutters (Stn) / venetian blinds (Eub).

→ ⊖ ⊕ → Set transmission repeat rate. the signal for automatic commands is repeated according to the number of beams shown.

set → Save change and exit.

InFo → ⑤ → Shows the software version.

set → Exit.

What do I do if

Nothing is shown on the display	Check whether the insulating strip has been removed from the batteries. Take out and reinstall the batteries.
The clock does not work	Take out and reinstall the batteries.
Automatic commands are not carried out	Increase transmission repeat rate. (see chapter 7 "Diagnosis menu: rts"). Change the position of the Chronis RTS/RTS L unit.
Automatic commands are repeated unnecessarily	Set transmission repeat rate to zero.
Blinds are not always operated by automatic commands	Change to blinds mode (see chapter 7 "Diagnosis menu: rts").