Ref.182253A

INSTALLATION *guide*

inteo *CHRONIS IB*

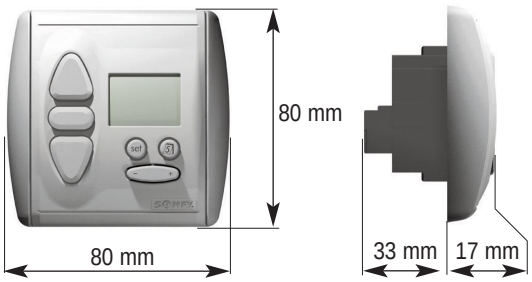
The **CHRONIS IB** is a timer and manual control for IB BUS line.
The main function of the **CHRONIS IB** is "to give controls according to the time".
In that way, one “UP” and one “DOWN” control per day can be programmed.

❏ **Weekly timer :**
different times can be programmed for every day of the week.

❏ **Cosmic function :**
the time of the automatic up and down controls are determined according to the season.

❏ **SEC function :**
Thanks to a specific working mode (chosen by the end user), Chronis gives the impression that a house is inhabited (automatic controls are sent within a window of +/- 15 minutes around the programmed times).

1 Characteristics:



❏ **Main supply : 220-240V 50Hz.** CE EN60730-1 EN50081-1 EN50082-1
❏ **Class II product** ⧈
❏ **Protection index IP40.**
❏ **Output : dry contacts 3A.**
❏ **Output temporisation : active for 0,5s.**
❏ **Environmental conditions for use :**
- temperature +5°C to +40°C (no condensation allowed).
- pollution degree typical for usual living space.

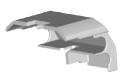
❏ **Time accuracy : +/- 5 minutes a year.**
❏ **Power failure :** date and time are stored up to 10 days. The memorized open and closing time are not erased by a power failure.

2 Installation:

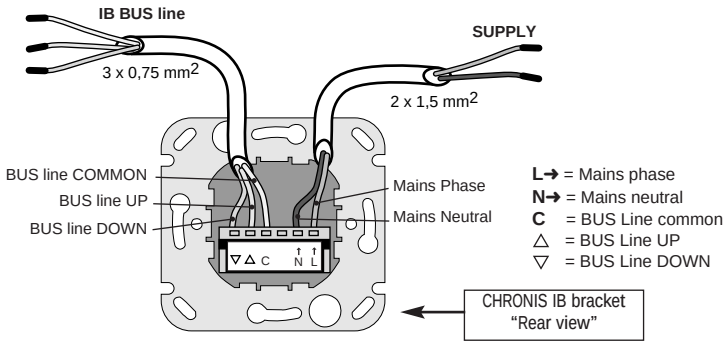
Installation allowed only by authorized electrician.
Before connecting the unit, read the instructions carefully.

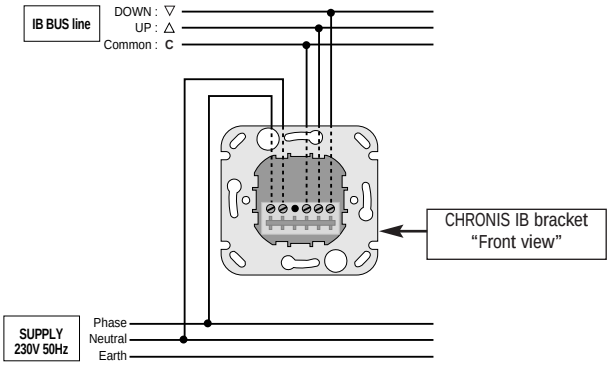
A Cabling :

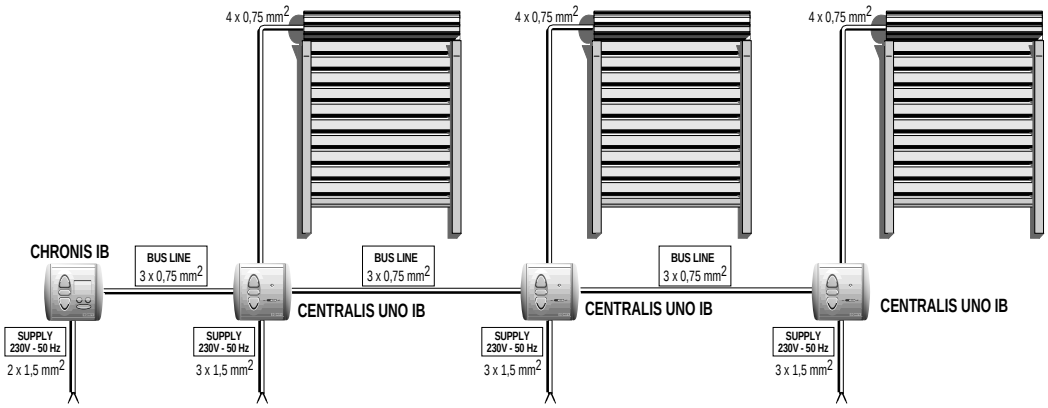
The CHRONIS IB is compatible with the SOMFY “IB” BUS line (common = +V). Cabling arrangements are shown in the diagram below. Respect the electrical standards in force as well as the following points:
- disconnect the mains before carrying out any work.
- ensure that no forces act on the screw terminals after installation.
- Do not forget to mount the protection cover to separate the cables for the BUS line and the cables for the power.



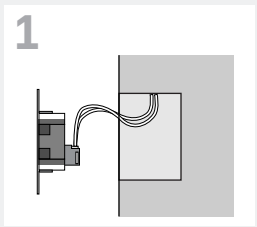
SOMFY®



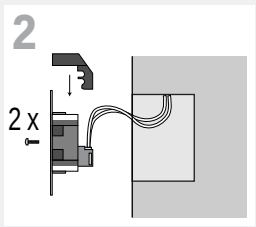




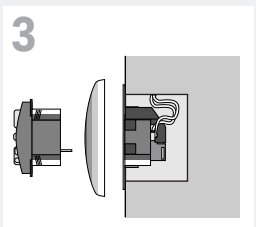
B Mounting :



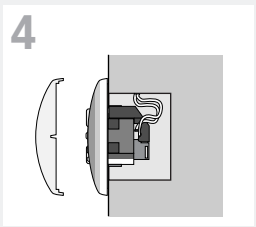
Cable the bracket.



Mount the protection cover and screw the bracket.



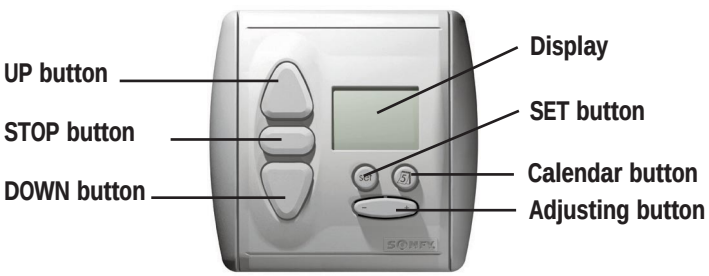
Fit the frame and plug the module in the bracket.

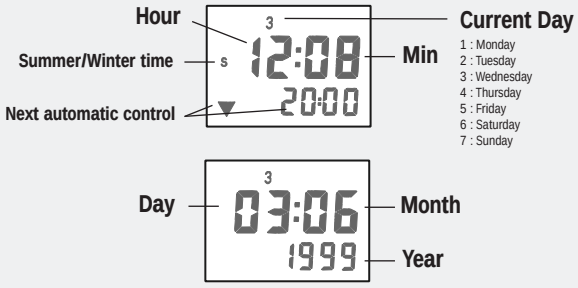


Clip the front plate.

Do not forget to mount the protection cover to separate the cables for the BUS line and the cables for the power.

3 Programming:





A Initial setting operation :

Basically valid for setting or changing values:
❑ Blinking values can be changed
❑ Always press **SET** to terminate and store input values
❑ If no input is entered for approximately 20 seconds, the input menu is automatically exited. The settings made up to that point are not stored.

Before setting the time, summer or winter time setting must be carried out. Factory setting is winter time ("W" is shown on the display).

SET summer or winter time

❑ **From winter time to summer time**

1. Press (set) briefly ➜ time blinks.
2. Press △ for longer than 5 seconds ➜ summer time is set. "S" is shown.
3. Press (set) briefly (store) ➜ time display.

❑ **From summer time to winter time**

1. Press (set) briefly ➜ time blinks.
2. Press ▽ for longer than 5 seconds ➜ winter time is set. "W" is shown.
3. Press (set) briefly (store) ➜ time display.

SET time

Press (set) briefly ➜ time blinks.
Set time with ⊖⊕
Press (set) briefly (store) ➜ time display stops blinking.

SET date

1. Press (5I) briefly ➜ date display (if no input within 10 sec., the display returns to the time)
2. Press (set) briefly ➜ day blinks.
3. Set day with ⊖⊕
4. Press △ briefly ➜ month blinks.
5. Set month with ⊖⊕
6. Press △ briefly ➜ year blinks.
7. Set year with ⊖⊕
8. Press (set) briefly (store) ➜ year stops blinking, time display.

The day of the week is set automatically.
The day, month, year selection can also be carried out in the opposite direction using the ▽ button.

B Configurations :

The CHRONIS IB offers five different operating modes, which can meet all personal requirements by pressing a button.

Weekly program (▼ 20:00)

The shutters are automatically opened or closed at the input opening and closing times.
❑ The factory setting for opening is 06:00 and 20:00 for closing.
❑ Different times can be input for each day of the week. The day of the week to which the time input applies is always shown blinking.

Changing the weekly program (if necessary):

1. Hold (set) down until the weekly program (▼ 20:00) is displayed.
2. Press (set) briefly ➜ time blinks.
3. Press △ briefly ➜ "UP" switching time blinks.
4. Press (5I) to select the day of the week you wish to program. You can also select all days of the week (1234567).
5. Set "UP" switching time with ⊖⊕
6. Press ▽ briefly ➜ "DOWN" switching time blinks.
7. Set "DOWN" switching time with ⊖⊕

If required, set the next day with (5I) and repeat (3) to (7).
After input press (set) briefly (store) ➜ time display.
If the "UP" or "DOWN" time is turned further than 23:59 with the ⊖⊕ , the display shows (OFF).
Automatic opening or closing can be deliberately switched off for "UP" and "DOWN" commands on individual days by using the OFF setting.

Security/holiday switching (SEC)

With this mode, your house appears to be inhabited during your absence, with the shutters opening and closing at random times.
The times deviate automatically from the weekly program input times within a window of +/- 15 minutes.
Hold (set) down until **(SEC)** is displayed.

Cosmic 1 (COS 1)

The shutters open and close at approximately sunrise and sunset.
By inputting a differential time, opening and/or closing can be moved independently in relation to the times of sunrise and sunset by up to +/- 1h 59 min.
By inputting individual blocking times, it particularly prevents very early or late move commands in the summer months.

Example: With +1h **differential time** for UP, the shutters open 1 hour after sunrise. With -1h they open 1 hour before sunrise.
The sun rises shortly after 05:00 in June. However, you want your roller shutters to open at 07:00 at the earliest. Input the blocking time 07:00 for UP.
Sunset occurs at approx. 21:40. If you want your roller shutters to close at 21:00 at the latest, then input the **blocking time** 21:00 for DOWN.
The factory setting for the UP blocking time is 06:00, and 20:00 for DOWN. If you want these blocking times to have no effect on the opening or closing, and the shutters to be controlled at the time of sunrise and sunset, then you can set the UP **blocking time** to 05:00 and the DOWN **blocking time** to 22:00.

Set differential time

1. Hold (set) down until **(COS 1)** is displayed.
2. Press (set) briefly ➜ time blinks and the next switching command is displayed.
3. Press △ briefly ➜ differential time UP blinks. ▲0 0:00
4. Change differential time "UP" with ⊖⊕
5. Press ▽ briefly ➜ differential time "DOWN" blinks. ▼0 0:00
6. Change differential time "DOWN" with ⊖⊕
7. Press (set) briefly (store) ➜ differential times are stored, time display.

Set blocking time

1. Hold (set) down until **(COS 1)** is displayed.
2. Press (set) briefly ➜ time blinks and the next switching command is displayed.
3. Press twice △ briefly ➜ blocking time "UP" blinks. ▲5 6:00
4. Change blocking time "UP" with ⊖⊕
5. Press twice ▽ briefly ➜ blocking time "DOWN" blinks. ▼5 20:00
6. Change blocking time "DOWN" with ⊖⊕
7. Press (set) briefly (store) ➜ blocking times are stored, time display.

Cosmic 2 (COS 2)

Cosmic 2 always opens the roller shutters at the times set in the **weekly program** and close them at the times from **Cosmic 1**.
The differential time and the blocking time that were set in Cosmic 1 are taken into account. No changes can be made to the switching times in Cosmic 2.

OFF mode

Only manual move commands are executed.
press **+** briefly with the ⊖⊕ ➜ **(OFF)** is displayed.
press **-** briefly with the ⊖⊕ ➜ time is displayed.

4 Using:

A MOVE / STOP command :

By pressing briefly the △ or ▽ push buttons, the output is activated to control the BUS line ("UP" or "DOWN" controls).
By pressing briefly the ⬭ push button, the both "UP" and "DOWN" outputs are activated to control the BUS line ("STOP" control).