

INSTALLATION *guide*

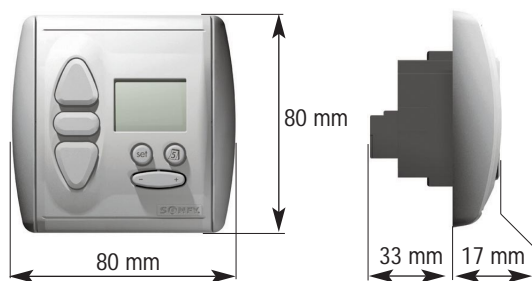


inteo *CHRONIS UNO*

The **CHRONIS UNO** is an individual timer and manual control for AC motor. The main function of the **CHRONIS UNO** 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:



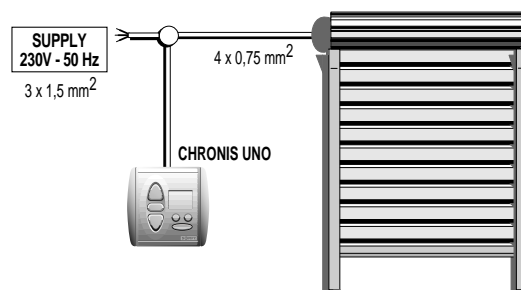
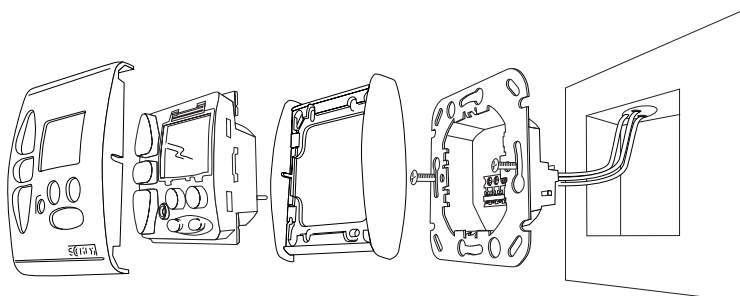
- ❑ **Main supply :** 220-240V 50Hz.
- ❑ **Class II product**
- ❑ **Protection index IP40.**
- ❑ **Output :** ~250V 3A cosφ 0,8.
- ❑ **Output temporisation :** activ for 180s.
- ❑ **Environmental conditions for use :**
 - temperature +5°C to +40°C (no condensation allowed).
 - pollution degree typical 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.

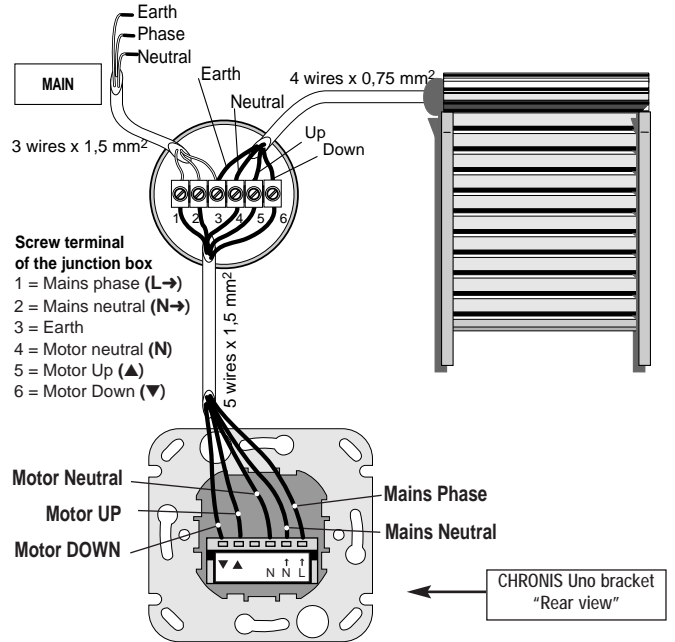
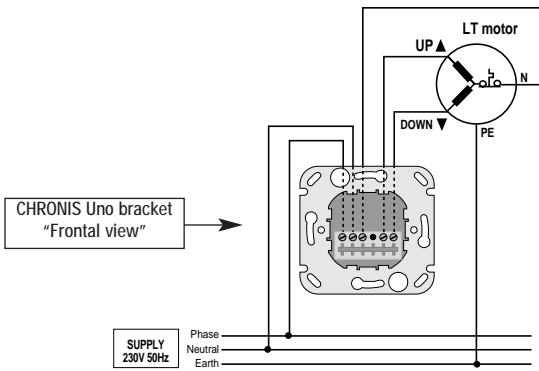
A Mounting :



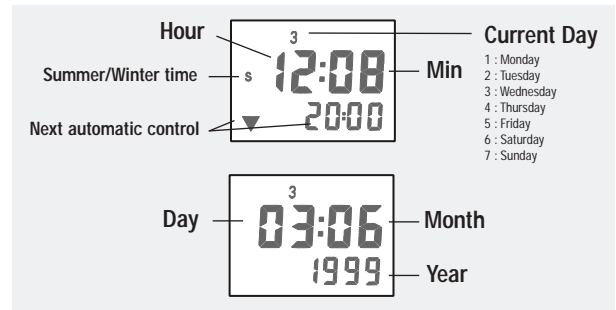
B Cabling :

Respect the electrical standards as well as the following points:

- disconnect the main before carrying out any work.
- ensure that no forces act on screw terminals after installation.



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.

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.
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.
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 **(set)** 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.

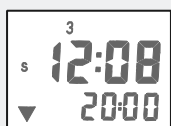
The day of the week is set automatically.

The day, month, year selection can also be carried out in the opposite direction using the **▼** button.

B Configurations :

The CHRONIS Uno 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 down until the weekly program (▼ 20:00) is displayed.
2. Press briefly → time blinks.
3. Press briefly → "UP" switching time blinks.
4. Press 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 and repeat (3) to (7).

After input press 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 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.

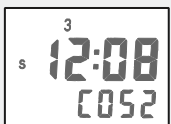
Set differential time

1. Hold down until (COS 1) is displayed.
2. Press briefly → time blinks and the next switching command is displayed.
3. Press briefly → differential time UP blinks. ▲0 000
4. Change differential time "UP" with .
5. Press briefly → differential time "DOWN" blinks. ▼0 000
6. Change differential time "DOWN" with .
7. Press briefly (store) → differential times are stored, time display.

Set blocking time

1. Hold down until (COS 1) is displayed.
2. Press briefly → time blinks and the next switching command is displayed.
3. Press twice briefly → blocking time "UP" blinks. ▲5 600
4. Change blocking time "UP" with .
5. Press twice briefly → blocking time "DOWN" blinks. ▼5 2000
6. Change blocking time "DOWN" with .
7. Press 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:

The CHRONIS Uno is initially configured to control a roller shutter but it is possible to configure the CHRONIS Uno to control a VENETIAN blind (orientation of the slats).

A Roller shutter :

MOVE / STOP command

By pressing briefly the  or  push buttons, the shutter is activated in the corresponding direction.
By pressing briefly the  push button, the shutter stops.

B Venetian blind :

Two different "Drape" modes can be set


DEU

Impulse control shorter than 2 seconds → Blind activated during the time of pressing.
Control longer than 2 seconds → Blind activated during 3 minutes.


USA

Impulse control shorter than 0.5s → Blind activated during 3 minutes.
Control between 0.5s and 6s → Blind activated during the time of pressing.
Control longer than 7s → Blind activated during 3 minutes.

Set the DRAPE mode

Press simultaneously   and  during 2s.
→ (diA6) is displayed.



Press **three times**  briefly.
→ (tiPP) is displayed.



Change DRAPE mode with .
→ DEU or USA are displayed.

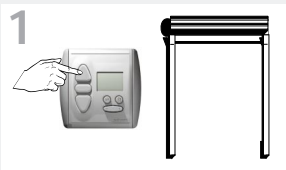
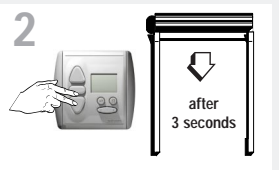
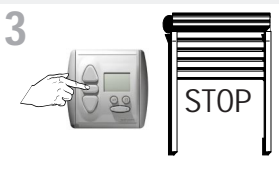
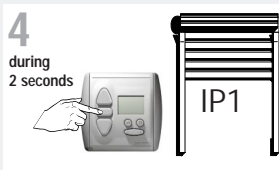




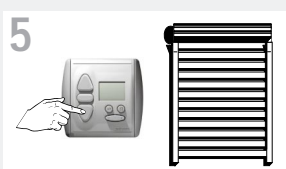
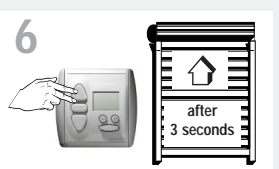

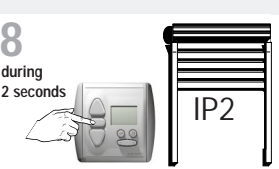






C Intermediate positions (only for roller shutter) :


With the CHRONIS Uno, it is possible to set one or two intermediate positions (IP) : one accessible from the top of the shutter and one from the bottom.

To record these positions, the CHRONIS Uno has to record the time for the roller shutter to go from its top to the IP, and also the time from its bottom one to the IP.



RECORD THE INTERMEDIATE POSITIONS

 <p>1</p>	 <p>2</p>	 <p>3</p>	 <p>4 during 2 seconds</p>
<ul style="list-style-type: none">• Set the shutter at its UP limit with the  push button.	<ul style="list-style-type: none">• Push simultaneously on the  and  button until the shutter begins to move down (about 3s).	<ul style="list-style-type: none">• Stop the shutter at the intermediate position you wish. If necessary, adjust this position with the push buttons.	<ul style="list-style-type: none">• Push the  button during two seconds. ⇨ The CHRONIS Uno has memorized the first intermediate position.
 <p>5</p>	 <p>6</p>	 <p>7</p>	 <p>8 during 2 seconds</p>
<ul style="list-style-type: none">• Set the shutter at its DOWN limit with the  push button.	<ul style="list-style-type: none">• Push simultaneously on the  and  button until the shutter begins to move up (about 3s).	<ul style="list-style-type: none">• Stop the shutter at the intermediate position you wish. If necessary, adjust this position with the push buttons.	<ul style="list-style-type: none">• Push the  button during two seconds. ⇨ The CHRONIS Uno has memorized the first intermediate position.

REPRODUCE THE INTERMEDIATE POSITIONS

- To reach one of the intermediate positions, press briefly the  button of the CHRONIS UNO while the shutter is at its UP or DOWN limits.
⇨ The shutter will move and stop at the dedicated intermediate position.

DELETE AN "IP" WITHOUT MEMORIZING A NEW ONE

- Set the roller shutter to the end limit.
Press briefly the  button to reach the "IP".
Press the  button until "DEL" is shown instead of the operating mode.

