

**GB-** Hereby, SIMU, declares that this equipment "Hz-Timer" is in compliance with the essential requirements and other relevant provision of Directive 1999/5/EC. A declaration of Conformity is available at the web address: [www.simu.fr](http://www.simu.fr), heading "Normes". Usable in **EU**,



## 1 General specifications

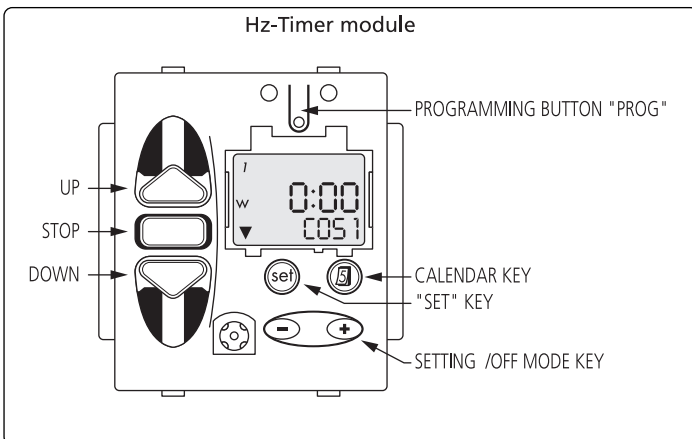
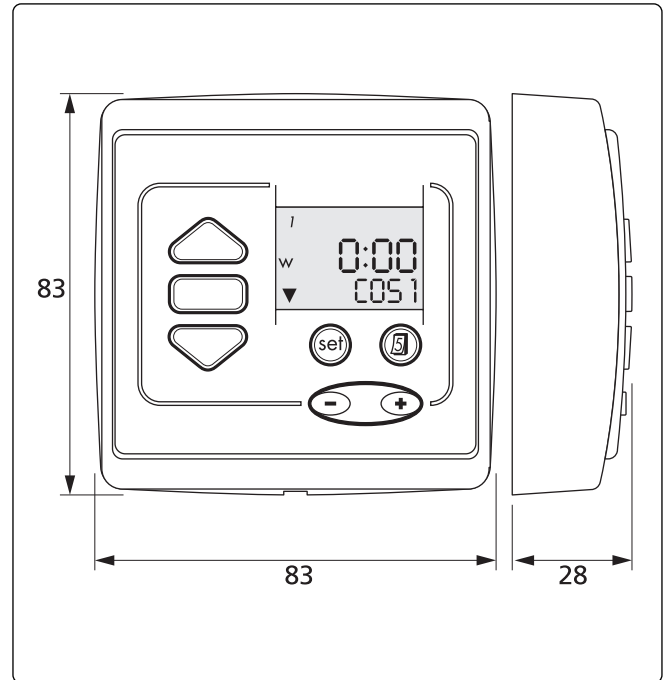
The **Hz TIMER** is a radio transmitter used to derive remote Hz receivers or Hz motors with a built-in receiver. It is used to issue **individual, group or general** controls.

This timer features **5 operating modes**:

- 1 **daily** or **weekly** mode (e.g.: ▼ 20:00)
- 2 cosmic modes "**COS1**" and "**COS2**", according to sunrise and sunset.
- 1 security mode "**SEC**" to simulate presence.
- 1 "**OFF**" mode, without closing nor opening time setting.

### Technical specifications :

- Power supply : 2 AAA LR 03 1,5Vdc batteries.
- Frequency : 433 MHz
- Range : 200m in free field or 20 between 2 reinforced concrete walls.
- Operating temperature : +5°C / +40°C (indoor use only).
- Storage temperature : 0°C / +70°C
- Protection index : IP 30
- Operating reserve: unlimited for programming, time and date setting when changing batteries.
- Weight : 145gr.



### DISPLAY

s = summer time  
w = winter time

Direction of the next order →

1 12:08 ← Week day\*  
20:00 ← Current time  
← Next command set time

3 01:01 ← Week day\*  
2001 ← Day / month  
← Year

s = summer time  
w = winter time

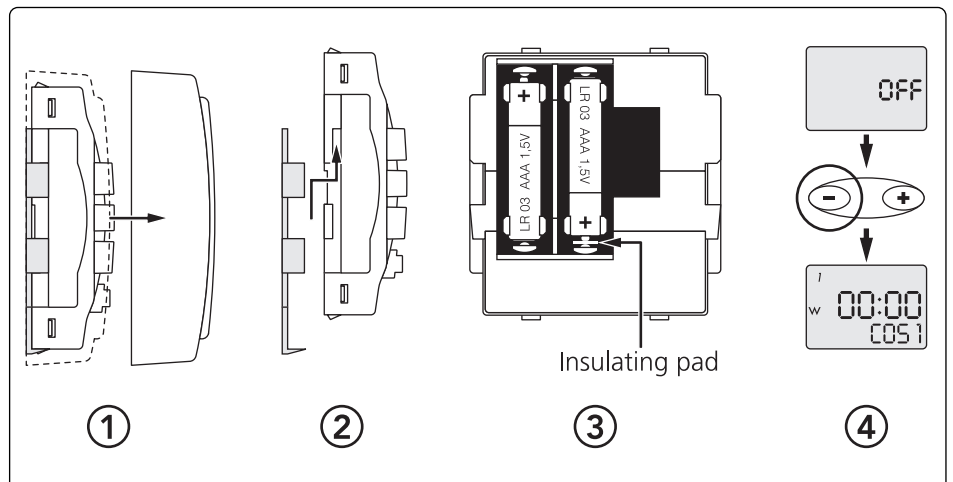
Direction of the next order →

7 Pr 06 ← Week day\*  
20:00 ← "Prog" display (displayed when pressing the setting button)  
← Next command set time

\*1=Monday, 2=Tuesday, 3=Wednesday, 4=Thursday, 5=Friday, 6=Saturday, 7=Sunday

### first use of the timer




- 1- Remove carefully the front cover using a flat screwdriver.
- 2- Unclip the timer from its basis.
- 3- remove the insulation pad.
- 4- The timer is in "**OFF**" mode. To set the clock, press the "-" key






## 2 Setting the timer

**⚠** The Hz-Timer is delivered set in the winter time (W). If you install it during the summer time, set the clock appropriately in the summer time (s).




### • To shift from winter time (w) to summer time (S):

- 1- Press the  key >> the current time blinks.
- 2- Press the  key during 5 seconds >> shift to summer time (s).
- 3- Press the  key to validate >> back to current time.









### • To shift from summer time (S) to winter time (w):

- 1- Press the  key >> the current time blinks.
- 2- Press the  key during 5 seconds >> shift to winter time (w).
- 3- Press the  key to validate >> back to current time.



### • To set the current time:


- 1- Press the  key >> the current time blinks.
- 2- Set the time using the setting key: .
- 3- Press the  key to validate >> back to current time.


### • To set the current date:

- 1- Press the  key >> the date is displayed on screen.
- 2- Press the  key >> the **day** blinks.
- 3- Set the day using the setting key: .
- 4- press the  key >> the **month** blinks.
- 5- Set the month using the setting key: .
- 6- press the  key >> the **year** blinks..
- 7- Set the year using the setting key: .
- 8- Press the  key to validate >> back to current time.

## 3 Configuring and programming the operating modes

**TO SELECT AN OPERATING MODE:** Press and hold the  key, the various modes scroll on screen (▼ 20:00, SEC, COS1, COS2...). When the required mode is enabled, release the  key.










**To enable the "OFF" mode, press the "+" on the setting key** .

**To disable the "OFF" mode, press the "-" on the setting key** .









### 3.1 - Daily mode / Weekly mode :

- Use the **daily mode** to program an UP time and a DOWN time **identical for all week days**.
- Use the **weekly mode** to program an UP time and a DOWN time **different for each week day**.
- The factory preset UP and DOWN times are respectively : ▲ 06:00 et ▼ 20:00 for all week day.
- To cancel an UP or Down sequence, set its programming to "OFF" located between 23:59 h and 00:00 h

#### • Weekly programming :

- 1- Press and hold the  key until ▼ 20:00 is displayed when release.
- 2- Press the  key >> the time and the day blink.
- 3- Press the  key >> The UP time and the day blink.
- 4- Press several time on the  key to select day 1 (monday)
- 5- Set the UP time with the setting key .
- 6- Press the  key >> The DOWN time and the day 1 blink.
- 7- Set the DOWN time with the setting key .
- 8- Press the  key to select the following day (the programming time and day 2 blink).
- 9- Repeat the programming sequence for each week day.
- 10- After programming day 7, press the  key to validate the new programming.

#### • Daily programming :

- 1- Press and hold the  key until ▼ 20:00 is displayed when release.
- 2- Press the  key >> the time blinks.
- 3- Press the  key >> The programming UP time blinks.
- 4- Press several time on the  key to display all the days currently (1 2 3 4 5 6 7)
- 5- Set the UP time using the setting key .
- 6- Press the  key >> The programming DOWN time blinks.
- 7- Set the DOWN time using the setting key .
- 8- Validate the programming using the  key.

**⚠** After setting the Daily programming, you can modify the programming for each week day. To do this, proceed as with weekly programming but select only the programming to modify. The last program before validation ("set" key) will always have priority.

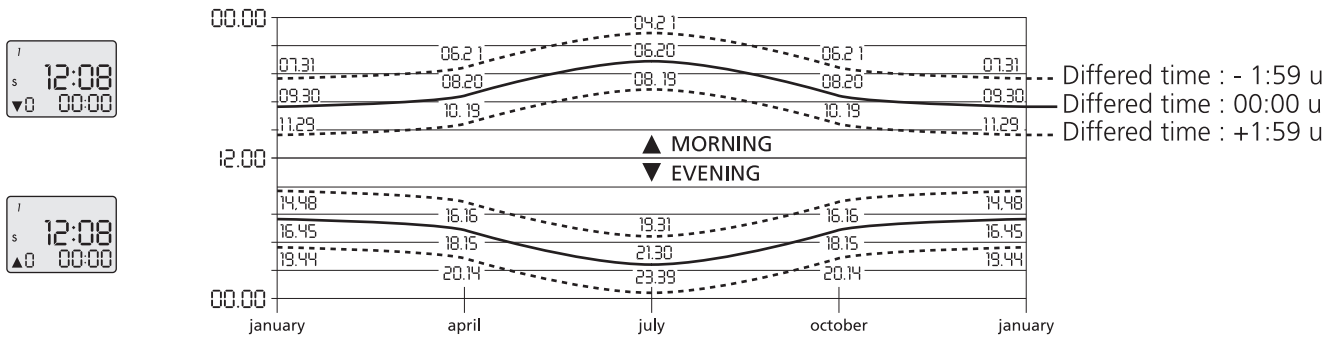
### 3.2 - Cosmic mode 1 (COS1) :

The **COS1** mode is a programme which calculate an UP time and a DOWN time automatically day after day, throughout the year, according to sunrise and sunset. There is no daily programming as this is a programme.

- **Differed time** : Use tis programming to differ the UP and DOWN time of the **COS1** programme by +/-1,59h to adjust it to your geographical location.
- **Hold time** : Use this programming to hold an UP and a DOWN time at the latest for the summer period, from May to September (e.g. a 6.00H hold time for opening will program COS1 to prevent it from issuing an opening command before 6.00h)

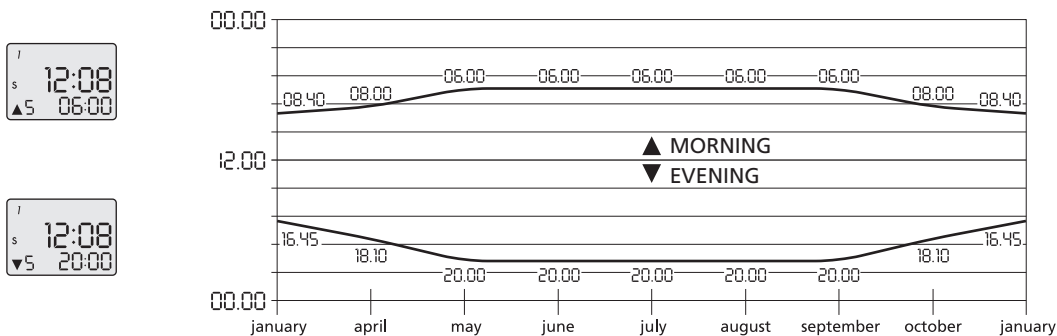
#### • Programming the Differed time :

- 1- Press and hold the (set) key until **COS1** is displayed then release.
- 2- Press the (set) key >> the current time blinks, the time and direction of next command are displayed.
- 3- Press the (up) key >> **▲0** and the **Differed time UP** blink.
- 4- Differ the UP time (+/- 1:59 h) using the setting key (← →)
- 5- Press the (down) key >> **▼0** and the **Differed time DOWN** blink.
- 6- Differ the DOWN time (+/- 1:59 h) using the setting key (← →)
- 7- Validate the programming using the (set) key.



#### • Programming the Hold time :

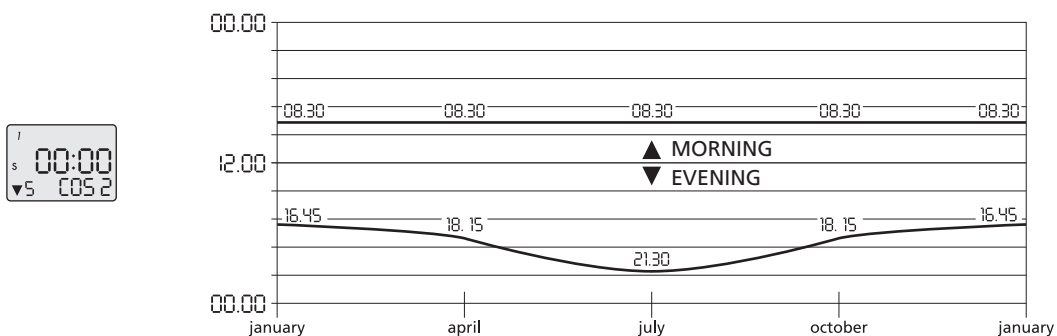
- 1- Press and hold the (set) key until **COS1** is displayed then release.
- 2- Press the (set) key >> the current time blinks, the time and direction of next command are displayed.
- 3- Press **2 times** the (up) key >> **▲5** and the **hold time UP** blink.
- 4- Set the hold time upward for the period from May to September using the setting key (← →)
- 5- Press **2 times** the (down) key >> **▼5** and the **hold time DOWN** blink.
- 6- Set the hold time downward for the period from May to September using the setting key (← →)
- 7- Validate the programming using the (set) key.



**⚠ Hold time is factory preset upward at the earliest at 06:00h. To remove this hold time, set the UP time to OFF, located between 23:59h and 00:00h.**

### 3.3 - Cosmic mode 2 (COS2) :

The **COS2** mode is a programme which use the "weelky / daily mode" for UP times and **COS1** mode for down times.



### 3.4 - "OFF" mode:

The timer acts like a basic radio transmitter (UP and DOWN time setting are disabled).

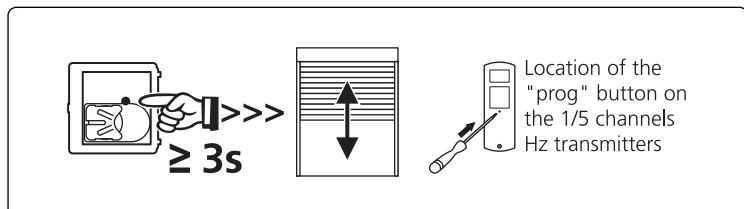
### 3.5 - Random mode "SEC" :

The **SEC** mode use the "weekly/daily" programme and offsets it randomly by +/- 15 minutes to simulate presence in your home.

## 4 Programming the Hz-Timer on a receiver with an existing installation

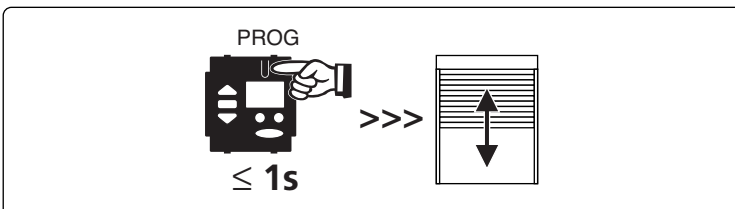
### 4.1 - Open the memory of the Hz receiver using its individual control transmitter:

Press the "PROG" key of the individual control transmitter for about 3 sec. The motor rotates by about 1/2 second in one direction, then the other.



### 4.2 - Validate the operation from the timer :

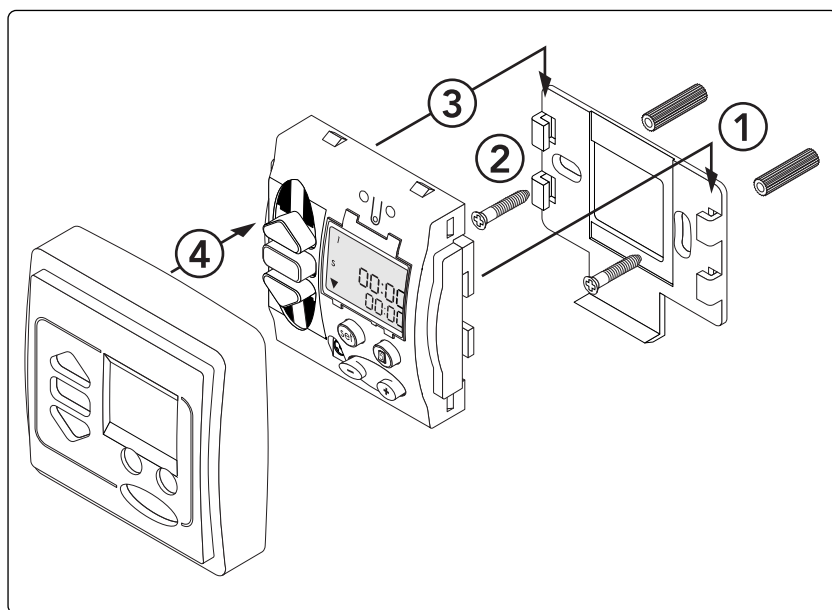
Press the "PROG" key of the timer for about 1 sec. The motor rotates by about 1/2 second in one direction, then the other. **The programming is achieved.**



- To issue a **group control** with the timer : repeat operations 4.1 and 4.2 for each receiver of the group.
- To issue a **general control** with the timer : repeat operations 4.1 and 4.2 for each receiver of the facility.
- To remove the timer from the memory using a receiver: repeat operations 4.1 et 4.2 twice.

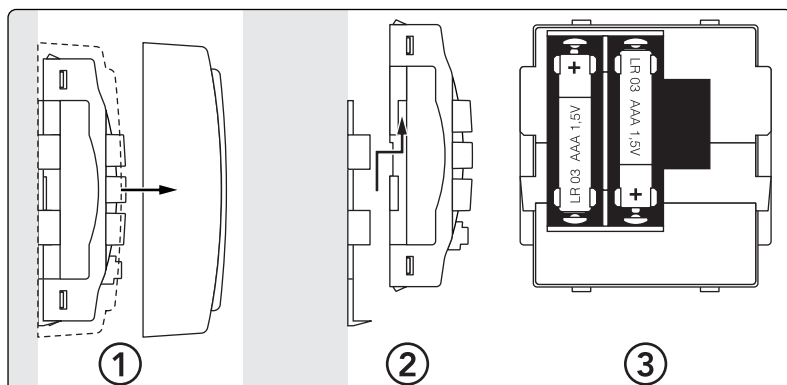
**For programming the timer within the framework of a new facility, apply the instructions in the receiver's manual.**

## 7 Installation



- Avoid locating the timer against or close to a metallic part, as it could result in major loss of range.
- Do not install the timer too close to a receiver. **(30cm minimum)**.
- Whenever possible, install the timer at a height above **1,5m minimum** from the ground.
- Before securing the timer, locate the timer at the chosen location and press one of the keys (up or down) for 2 sec. to check proper operation of the installation. Repeat this operation several times to validate the chosen location.
- The Hz-Timer is intended for **indoor** use only.
- A radio appliance using the same frequency (for example : hi-fi radio headphones) may deteriorate our product's performance.

## 8 Changing the batteries



- 1- Remove carefully the front cover using a flat screwdriver.
- 2- Unclip the timer from its basis.
- 3- change the batteries (2 x LR03 - AAA - 1,5V).
- 4- Refitting : apply the reverse sequence and set the current time and date.

**⚠ WARNING : respect polarities (+/-), don't recharge, don't throw in fire nor open the used batteries, don't mix used batteries or other kind of batteries (could explode, leak and cause damage).**