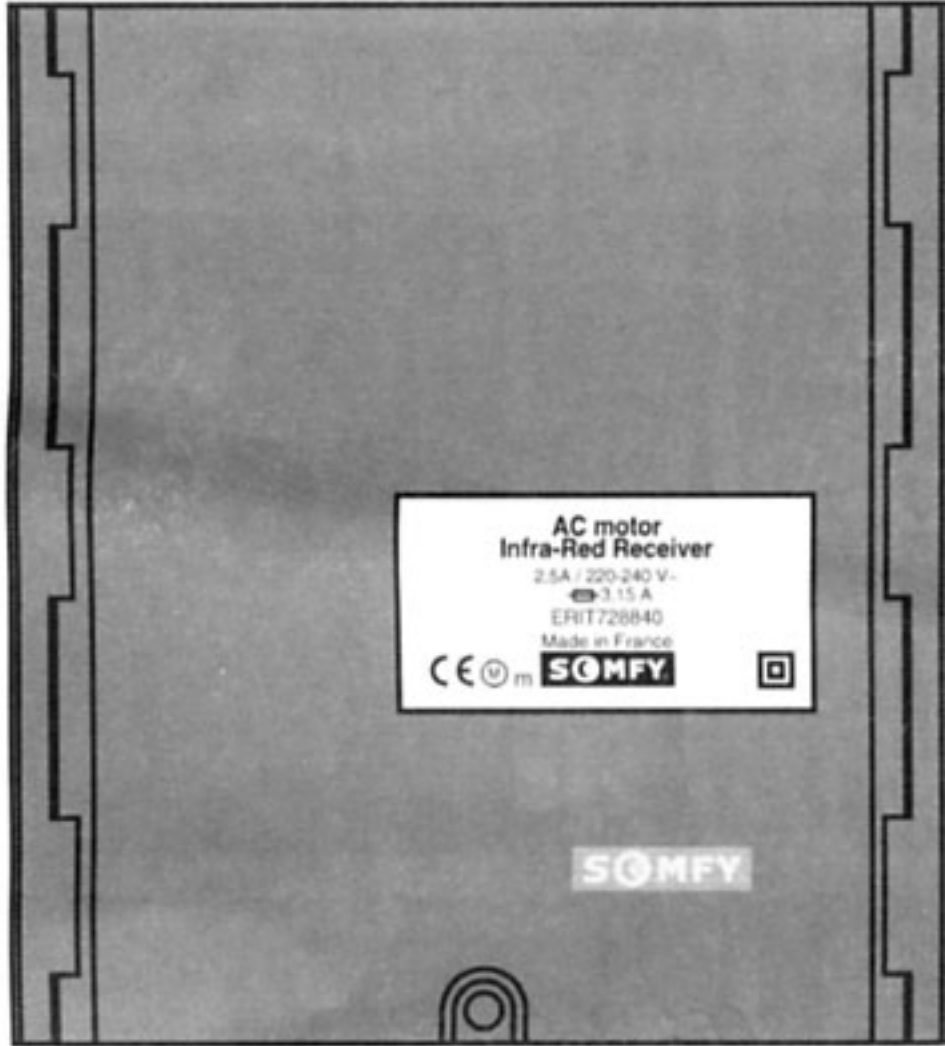


# INSTALLATION *guide*

ref.182178A

## AC motor Infra-red Receiver



**Overview :** The AC motor infra-red receiver is a control particularly adapted for commercial buildings. It can be controlled by infra-red (individual controls) and/or by a BUS line (general controls).  
**Remark :** The BUS line input can be configured for an individual push-button.

# 1 Characteristics :

The AC motor Infra-red receiver is compatible with the IRT103 and IRT803 transmitters and the IR sensor (EACT028830).



## Technical data :

- Nominal supply : 220-240 V~
- System of protection : IP40
- Working temperature : 0°C to 40°C
- Output motor temporisation : 3 min
- Fuse : F3.15A 5x20
- Output relays : 3.15A 250V~
- Dimensions : 135 x 120 x 42mm

- The receivers can be controlled by using the IRT103 transmitter but their configuration cannot be modified (refer to 2C).
- The receivers can be controlled by using the IRT803 transmitter. It is possible :
  - to select the channels of the different receivers
  - to set a "Drape" function for venetian blinds (see chapters C/D).
  - to configure the kind of manual inputs (Bus line or individual push-button).

In compliance with the CE requirement.

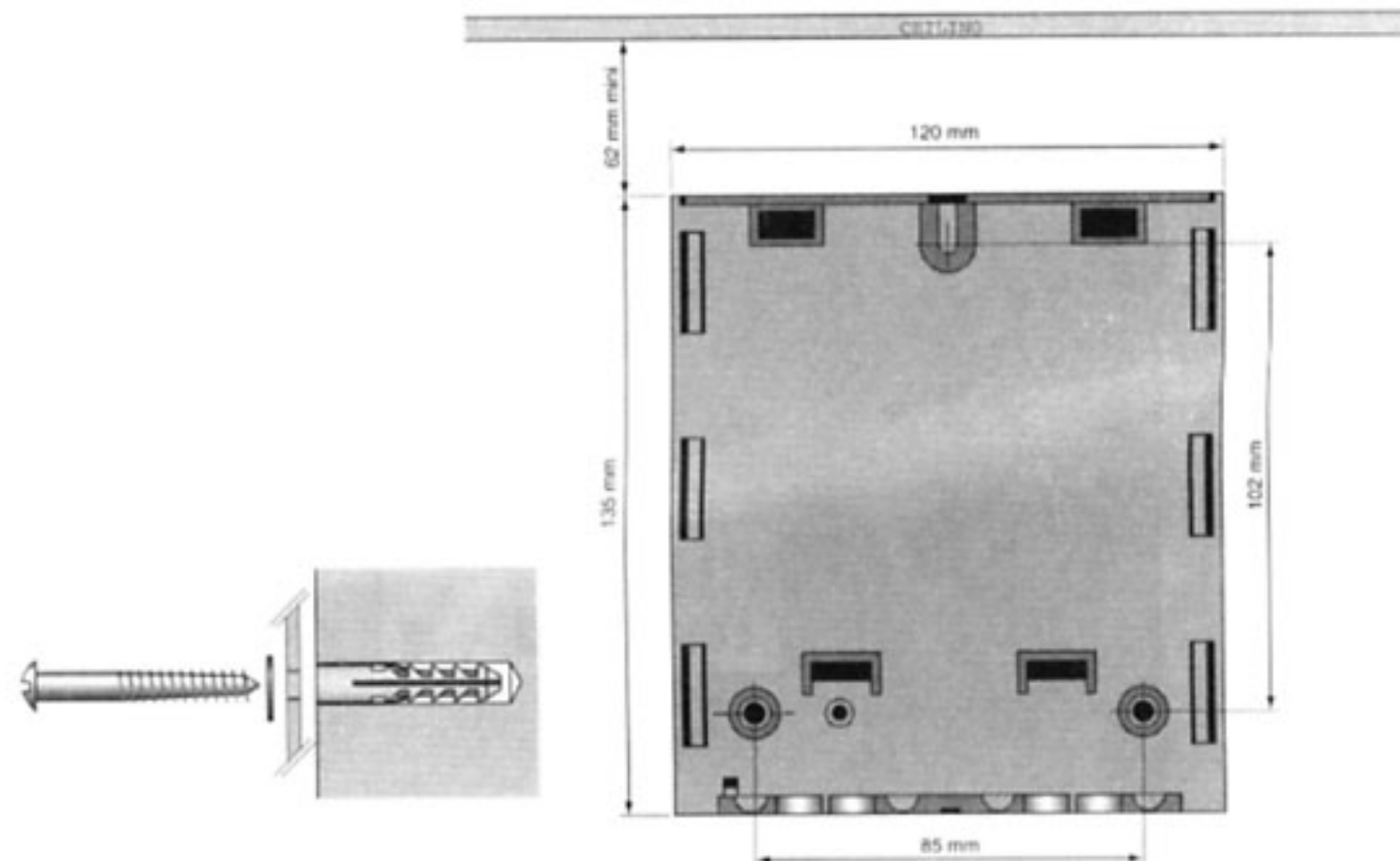
**SOMFY**

# 2 Installation :

## A Mounting :

The receiver has to be installed indoor. If it is installed outdoor, integrate the product in a waterproof box.

1. Drill 3 holes on the wall according to the mounting diagram.
2. Fix one screw on the wall and fit the base of the receiver by sliding it on the screw head.
3. Slide the cover of the receiver and fix two screws on the bottom of the base.



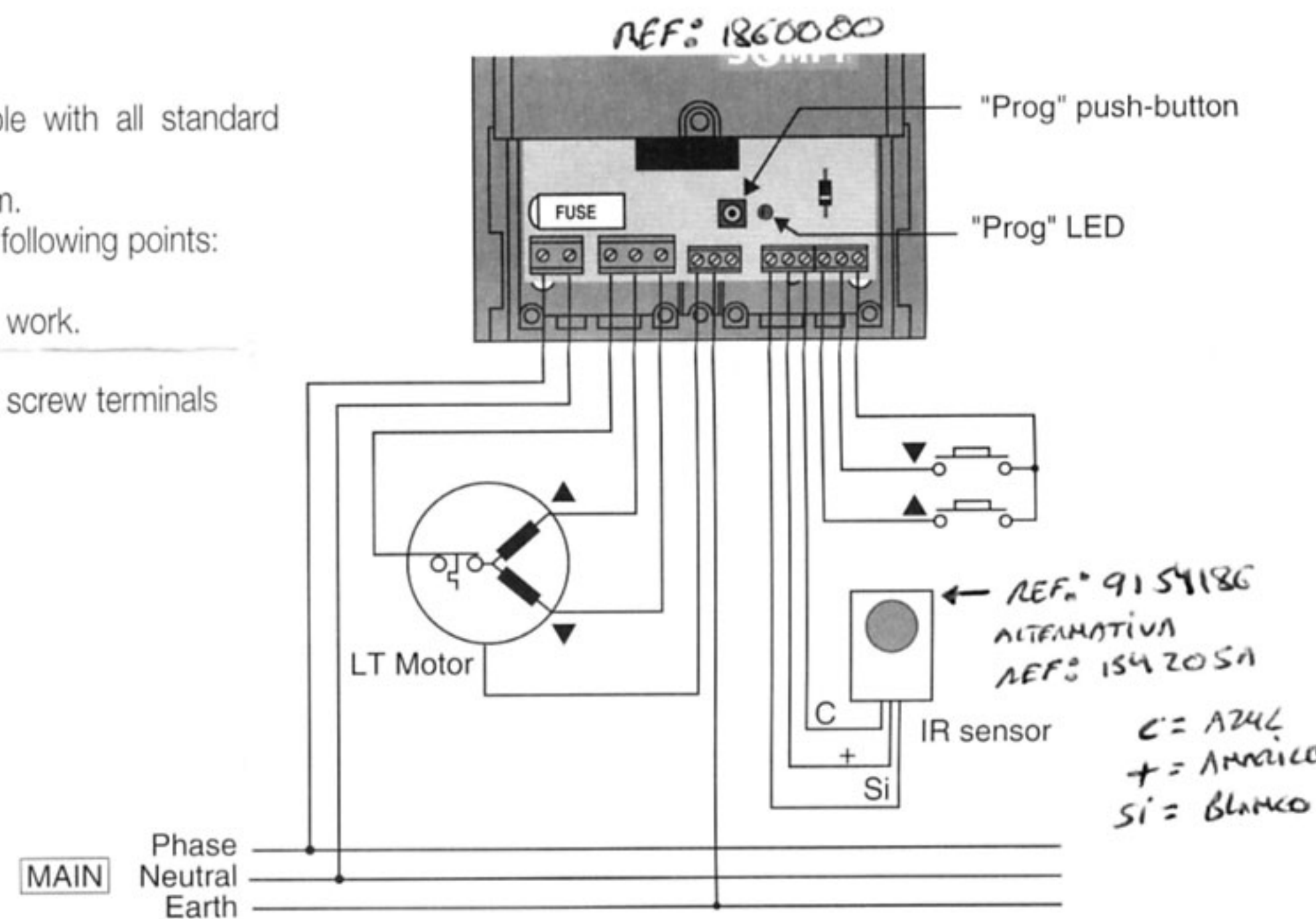
## B Wiring :

The AC motor infra-red receiver is compatible with all standard SOMFY motors.

Cabling arrangements are shown in the diagram.

Respect the electrical standards as well as the following points:

- disconnect the main before carrying out any work.
- use flexible cables.
- ensure that no longitudinal forces act on the screw terminals after installation.
- do not forget to connect the earth wires.



## C Programming :

In the programming mode, some functions of the receiver can be configured with the IRT803 transmitter :

- Channels of the receivers.
- "Drape" mode for venetian blinds.
- Type of manual inputs (Bus line or individual push-button).

There are two ways to enter in the programming mode :

- By the button located on the receiver.
- By the « prog » key located on the IRT803

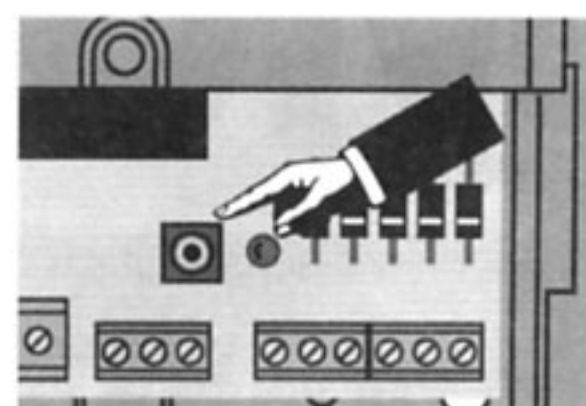
**Warning :** If you use the IRT803, it is necessary to « lock » the receivers which are not being programmed by operating them in either UP or DOWN direction (they will be locked for 3 minutes and it is impossible to enter in the programming mode by the IRT803). To unlock them, give a STOP order.

## Enter the programming mode

Press during 5s the push-button on the receiver or the « prog » key on the transmitter

⇒ the LED of the receiver lights on, indicating that the receiver is in its programming mode for three minutes.

Nb : You can exit from this mode at any step a;b;c (see below "Exit from the programming mode").



OR



**a** To assign a channel on the receiver (the product is initially configured to operate with the IRT103 transmitter).



Press the key **1** on the transmitter ⇒ the LED of the receiver blinks twice.



Press one key from **1** to **8** ⇒ the LED of the receiver blinks four times.

OR



If you wish a functioning with an IRT103 (initial configuration), press the key **1..8** ⇒ the LED of the receiver blinks four times.

**b** To set the receiver in "Drape" mode (the product is initially configured in "no drape" mode).



Press the key **2** on the transmitter ⇒ the LED of the receiver blinks twice.



**Drape :**  
Press the key **5..8** ⇒ the LED of the receiver blinks four times.

OR



**no Drape :**  
Press the key **1..8** ⇒ the LED of the receiver blinks four times.

**c** To configure the inputs (the product is initially configured for BUS line).



Press the key **3** on the transmitter ⇒ the LED of the receiver blinks twice.



**Individual push-button :**  
Press the key **1..8** ⇒ the LED of the receiver blinks four times.

OR



**Bus line :**  
Press the key **5..8** ⇒ the LED of the receiver blinks four times.

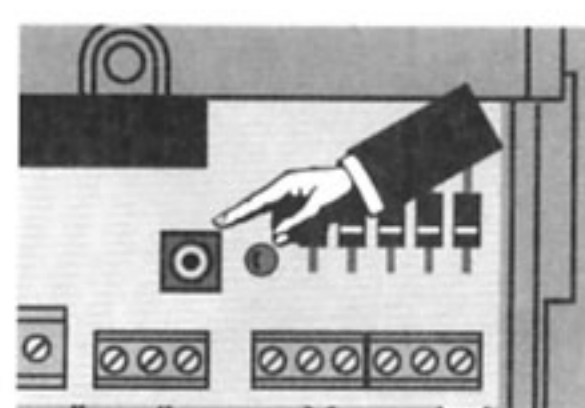
**d** Remark : If you wish to Return to the initial configuration (IRT103 channel; Bus line inputs; no Drape ).

- Press the key **8** on the transmitter ⇒ the LED of the receiver blinks once.
- Press the key **1..8** ⇒ the LED of the receiver blinks four times.

## Exit from the programming mode

Press the push-button on the receiver or the « prog » key on the transmitter.

⇒ the LED of the receiver lights off.



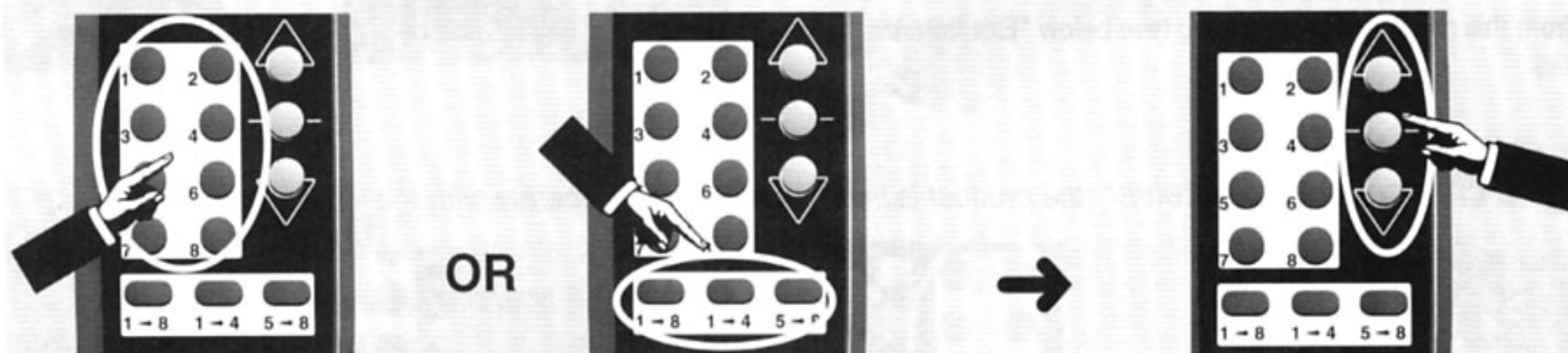
OR



## D Functioning :

### a With infra-red transmitter

- Point the transmitter at the Infra-red sensor which corresponds to the receiver you wish to control.



If you wish to control one receiver, press on the corresponding key : **1** to **8**

If you wish to control a group of receivers, press on the corresponding key : **1..4** **5..8** **1..8**

Then you can control the receiver by pressing the keys : **UP ; DOWN or STOP.**

### b With manual controls

- UP and DOWN controls : By pushing the corresponding push-buttons.
- STOP control :
  - By pushing simultaneously the UP and DOWN push-buttons.
  - By pushing a second time on the UP or DOWN push-button if the receiver has been configured in "individual push-button" (see chapter C : configuration of the input).

### c Drape function

- The drape function is used for venetian blinds (orientation of the slats).
  - **Impulse control shorter than 0.5s** -> the venetian blind will be activated during 3 minutes.
  - **Continuous control between 0.5s and 6s** -> the venetian blind will be activated during the time of pressing (orientation of the slats).
  - **Continuous control longer than 7s** -> the venetian blind will be activated during 3 minutes.

# 3 Malfunctions :

The command is not sent	1- Check the battery of the transmitter. 2- Check the good wiring of the receiver and the IR sensor. 3- Check the fuse of the receiver. 4- Check the programming.
The range of transmitting is decreasing or is variable	1- Check the battery of the transmitter. 2- Check the positioning of the sensor. 3- Check the environment (The transmitter range can be affected by artificial lights or the wall colour).