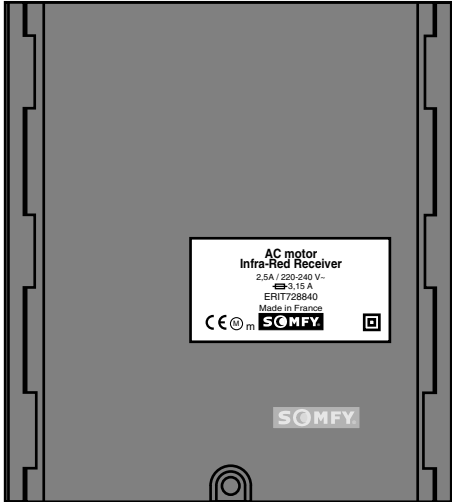


INSTALLATION *guide*

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).

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, IRT803 transmitters and the IR sensor (EACT028830).



The IRT 103 infrared transmitter offers individual motor control (without programming capability).

The IRT 803 infrared transmitter offers individual/group motor control. 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).

Technical data :

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

In compliance with the CE requirement.

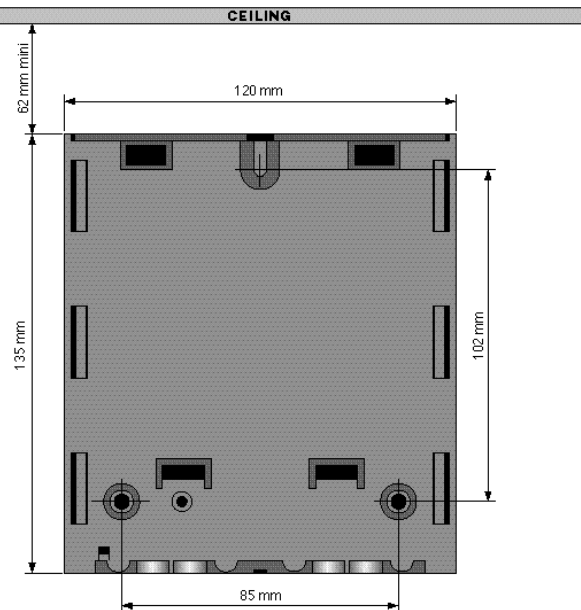
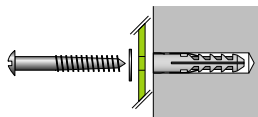
SOMFY

2 Installation :

A Mounting :

The receiver has to be installed indoor. If it is installed outdoor, protect 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 over the screw head.
3. Slide the cover of the receiver up and fix two screws in the bottom of the base.



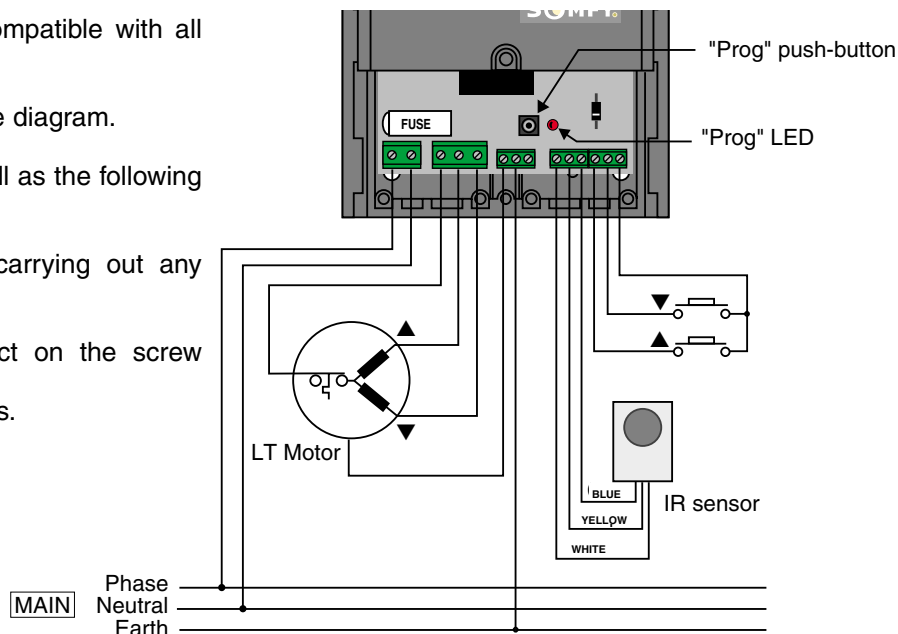
B Wiring :

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 supply 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.

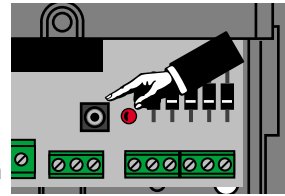
By the « prog » button located on the IRT803

Warning : If you use the IRT803, it is necessary to « lock » the receivers that 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.

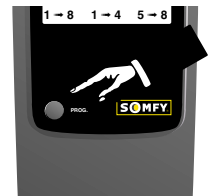
Enter the programming mode

Press for more than 5s the push-button on the receiver or the « prog » button on the transmitter.
The LED of the receiver illuminates, indicating that the receiver is in its programming mode for three minutes.

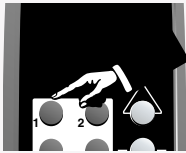
NB : You can exit from this mode at any step a;b;c (see below "Exit from the programming mode").



OR

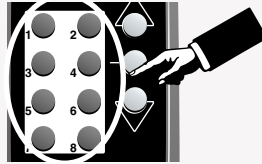


a To assign a channel on the receiver (the product is initially configured to operate with the IRT103 transmitter).



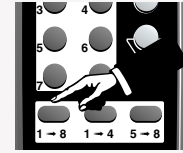
Press the 1 button on the transmitter. The LED of the receiver blinks twice.

>



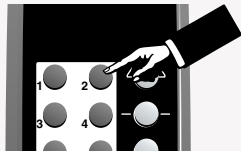
Press any button from 1 to 8. The LED of the receiver blinks four times.

OR



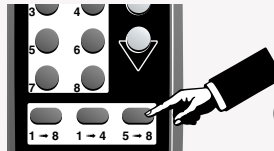
If you wish to use the IRT103 (initial configuration), press the **1..8** button. The LED of the receiver blinks four times.

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



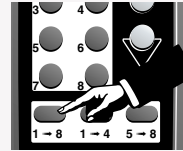
Press the 2 button on the transmitter. The LED of the receiver blinks twice.

>



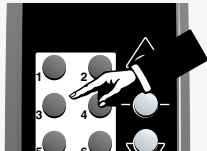
Drape :
Press the **5..8** button. The LED of the receiver blinks four times.

OR



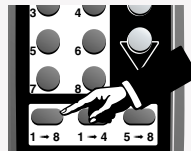
No Drape :
Press the **1..8** button. The LED of the receiver blinks four times.

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



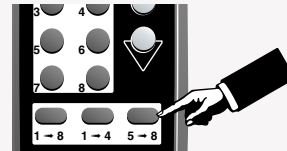
Press the 3 button on the transmitter. The LED of the receiver blinks twice.

>



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

OR



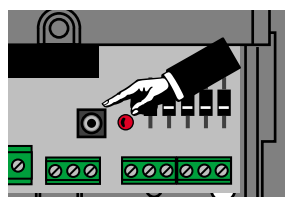
Bus line :
Press the **5..8** button. The LED of the receiver blinks four times.

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

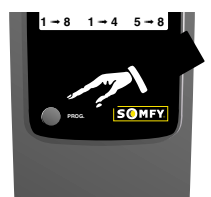
Press the 8 button on the transmitter. The LED of the receiver blinks once.
Press the **1..8** . The LED of the receiver blinks four times.

Exit from the programming mode

Press the push-button on the receiver or the « prog » button on the transmitter.
The LED of the receiver lights off.



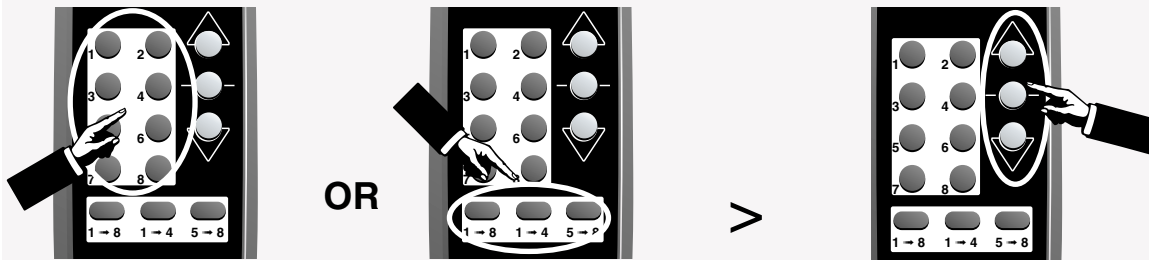
OR



D Functioning :

a With an 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 button : 1 to 8.

If you wish to control a group of receivers, press on the corresponding button :

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 for a second time on the UP or DOWN push-button if the receiver has been configured in "individual push-button" mode.

(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 for 3 minutes.
- **Continuous control between 0.5s and 6s** -> the venetian blind will be activated for the duration of the order (orientation of the slats).
- **Continuous control longer than 7s** -> the venetian blind will be activated for 3 minutes.

3 Malfunctions :

The command is not sent	<ol style="list-style-type: none"> 1- Check the battery of the transmitter. 2- Check the 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	<ol style="list-style-type: none"> 1- Check the battery of the transmitter. 2- Check the positionning of the sensor. 3- Check the surroundings - (The transmitter range can be affected by artificial lights or the wall colour).