

# FREEVIA 400

**EN** Operating and installation guide



5129045A



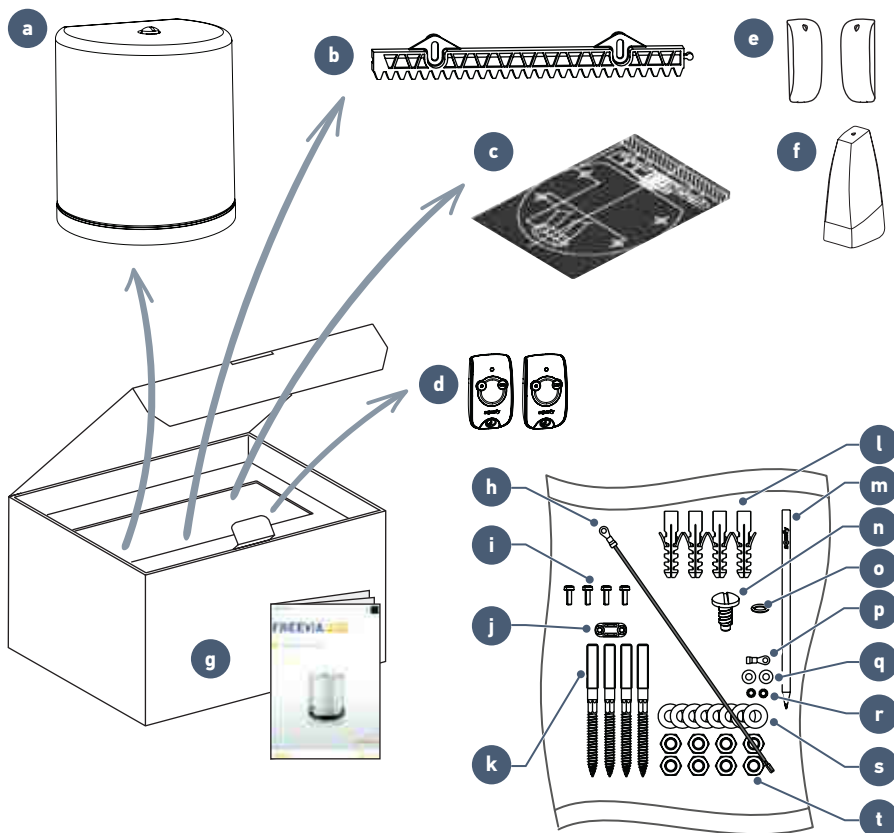


# Contents

<b>Product description</b>	<b>2</b>	<b>3 Wiring the accessories</b>	<b>18</b>
- Contents of the pack	2	3.1 Photoelectric cells (depending on the pack chosen)	18
- Space requirements	3	3.2 Orange light (depending on the pack chosen)	18
- Field of application	3	3.3 Battery (optional)	19
- General view of the installation	3	3.4 Offset aerial (optional)	19
- Presentation of the control electronics	4	3.5 Videophone (optional)	20
<b>Prerequisites for installation</b>	<b>5</b>	3.6 Key lock (optional)	20
- Stop blocks on the ground	5	3.7 Area lighting (optional)	20
- Positioning the motor	5	3.8 Solar power (optional)	21
- Electrical preequipment	5	<b>4 Advanced parameter settings</b>	<b>22</b>
- Cables required	6	4.1 Pedestrian opening	22
- Concrete base	7	- Pedestrian opening operation	22
- Tools require for installation (not provided)	8	- Activating the pedestrian opening	22
- Screws etc. required for installation of the rack and pinion (not provided)	8	- Deactivating the pedestrian opening	22
<b>1 Installation</b>	<b>9</b>	4.2 Automatic closing	23
1.1 Unlock the motor	9	- Automatic closure operation	23
1.2 Installing the motor	9	- Activating automatic closing	23
- Fastening the motor to the ground	9	- Deactivating automatic closing	24
- Fastening the rack and pinion	10	4.3 Gate speed	25
1.3 Checking the installation of the motor	11	- Area of application	25
1.4 Locking the motor	11	- Setting slow speed	25
1.5 Wiring the motor	12	- Returning to standard speed	26
1.6 Connecting to the 230V power supply	13	<b>5 Programming the remote controls</b>	<b>27</b>
1.7 Earthing the control electronics	14	5.1 Presenting the remote controls	27
1.8 Position of the control electronics aerial	14	- Possibilities for programming the 2-button remote control	27
<b>2 Commissioning and standard use</b>	<b>15</b>	- Possibilities for programming the 4-button remote control	28
2.1 Switching the installation on	15	- Using a 3-button remote control	28
2.2 Gate travel self-learning	15	5.2 Adding a remote control	29
2.3 Standby / reactivation of the control electronics	16	- 2 or 4-button remote control	29
2.4 Plugging the openings	16	- 3-button remote control	29
2.5 Lifting the cover	16	5.3 Deleting a remote control	29
2.6 Fully opening and closing the gate	17	<b>6 Repairs</b>	<b>30</b>
2.7 Obstacle detection	17	6.1 Assistance	30
		6.2 Replacing the remote control battery	30
		6.3 Clear the settings	31
		6.4 Diagnostics	32
		<b>7 Technical data</b>	<b>33</b>

## Product presentation

### ► Contents of the pack

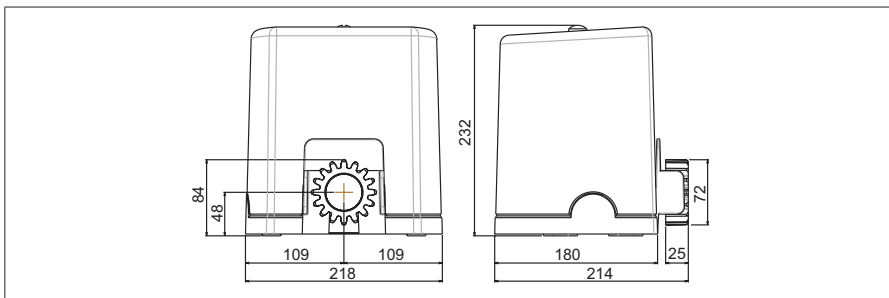


Mark	Designation	Qty
a	Motor	x 1
b	Rack section 33 cm x 20 mm	x 12
c	Installation template	x 1
d	2-button remote control	x 2
e	Set of photoelectric cells*	x 1
f	Orange light*	x 1
g	Installation and operating guide	x 1

\*depending on the pack chosen

Mark	Designation	Qty
h	Earth wire	x 1
i	Self-drilling screw	x 4
j	Cable clamp	x 1
k	Stud	x 4
l	Plug	x 4
m	Selfy pencil	x 1
n	Cover screw	x 1
o	O-ring	x 1
p	Insulated round terminal	x 1
q	Small flat washer	x 2
r	Star washer	x 2
s	Flat washer	x 8
t	NUT	x 8

## ► Space requirements

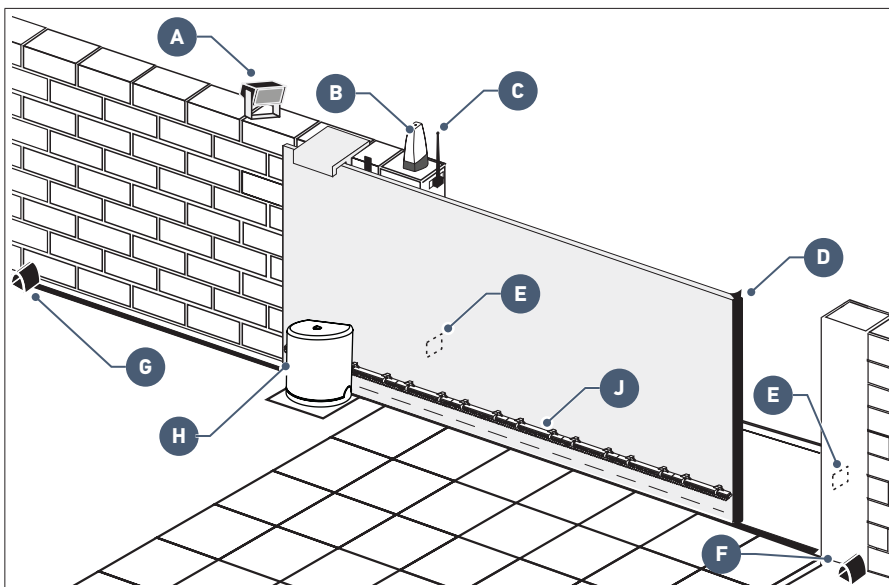


## ► Area of application

This product is intended for the motorisation of a sliding gate:

- with a max. length of 6 m and a max. weight of 400 kg
- in PVC, wood or metal
- for a detached house.

## ► General view of the installation

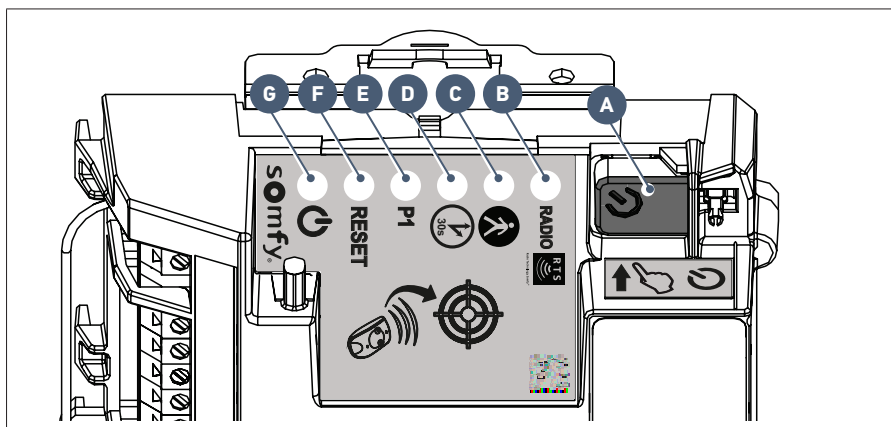






Mark	Designation
A	Area lighting*
B	Orange light (depending on the pack chosen)
C	Aerial*
D	Safety edge*
E	Photoelectric cells (depending on the pack chosen)

Mark	Designation
F	Closing end stop
G	Opening end stop
H	Motor
J	Rack

\*optional accessories

## ► Presentation of the control electronics

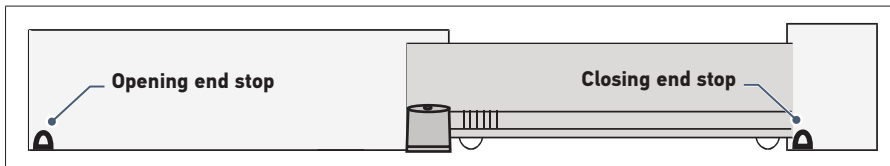


Mark	Designation	Function	
<b>A</b>	Button 	Self-learning launch Reactivation of the control electronics	
<b>B</b>	<b>RADIO</b> indicator light	Lights up each time the control electronics receive a radio command	
<b>C</b>	Indicator light 	Lights up during activation/deactivation of the pedestrian opening	
<b>D</b>	Indicator light 	On	automatic closure of the gate is activated.
		OFF	automatic closure of the gate is not activated.
		Flashing	the "automatic closure" parameter is selected
<b>E</b>	Indicator light <b>P1</b>	OFF	the gate operates at standard speed
		Slowly flashing	the gate operates at slow speed
		Flashing	the gate "speed" parameter is selected
<b>F</b>	<b>RESET</b> indicator light	On	the settings alone or the settings and the radio control points are deleted
		Flashing	the settings and radio control points deletion function is selected
<b>G</b>	Indicator light 	On	the motor functions correctly - the control electronics are reactivated
		OFF	the motor functions correctly - the control electronics are on standby
		Flashing	see diagnostic page 32

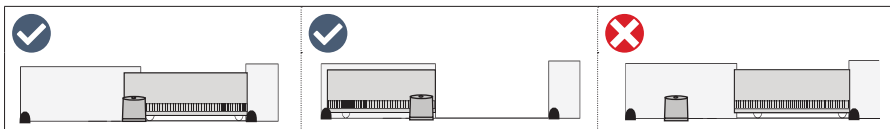
## ➤ Prerequisites for installation

### ▶ Stop blocks on the ground

The gate travel must be defined by end stops firmly fixed in the ground.



### ▶ Positioning the motor



### ▶ Electrical pre-equipment

#### Cables required

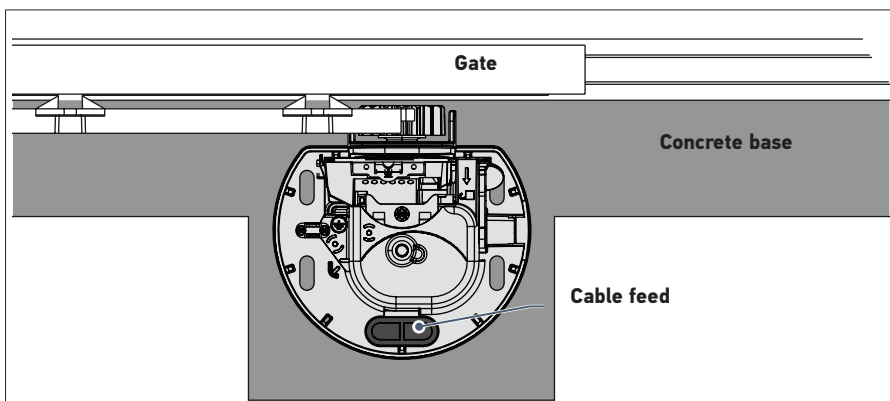
- Power supply: 3 x 1.5 mm<sup>2</sup> cable or 3 x 2.5 mm<sup>2</sup> for outdoor use (type H07RN-F minimum)
- Linking of cells: 2 x 0.75 mm<sup>2</sup> cable
- Other accessories: see page 6

**!** Provision must be made for the supply cable to be fed through according to the electrical standards in force in the country of use.

#### Cable feed

- Underground cables must be equipped with a protective sheath with a sufficient diameter to contain all the cables.
- Fit a 230 V electrical input as close as possible to the motor.

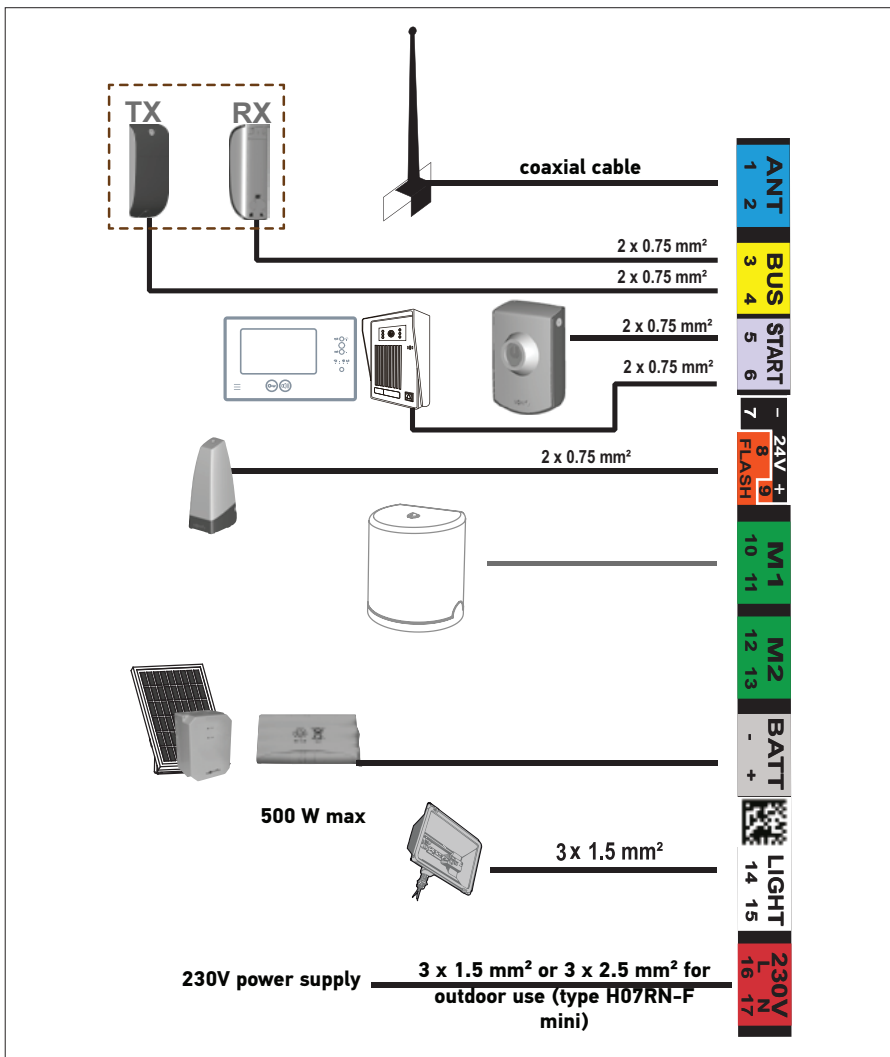
**i** If a cable conduit cannot be made, use a cable grommet which will withstand the passage of vehicles (ref. 2400484).



## ► Cables required



The wiring details are provided in the "ACCESSORIES WIRING" section on pages 18 to 21.



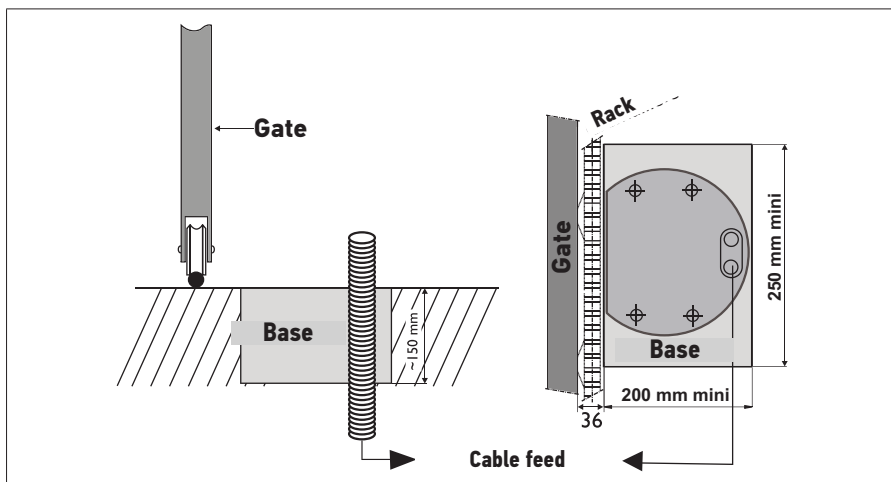
To connect several accessories to the START terminal, a wire with a 0.3 mm<sup>2</sup> cross section may be used (example: telephone cable) instead of wire with a cross section of 0.75 mm<sup>2</sup>.



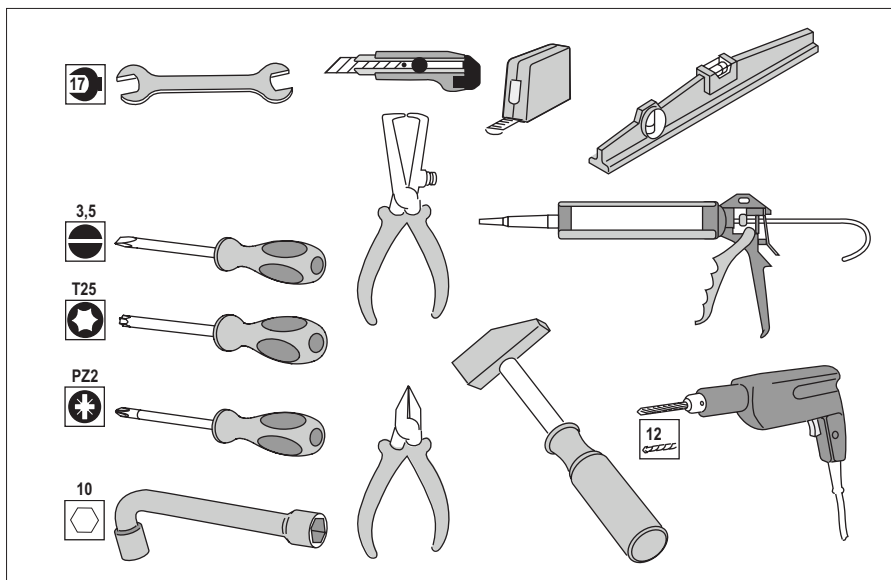
► *Concrete base*



The concrete base on which the motor will be installed must comply with the dimensions indicated on the diagram below.


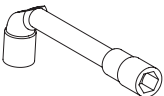


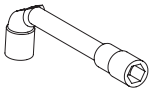


► *Tools require for installation (not provided)*



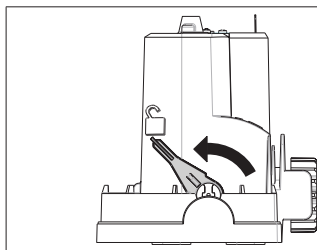
► *Screws etc. required for installation of the rack and pinion (not provided)*

This information is provided for information purposes.

	Screws etc. required	Tools required	Drilling diameter
<b>IRON OR ALUMINIUM GATE</b>	Self-drilling hex-head screw for metal of type ST 6.3 x 30 mm + washer	Socket wrench no.10	5 mm with a drill for steel
			
<b>PVC GATE</b>	PVC is too fragile to fasten the rack and pinion directly. PVC gates generally have an aluminium or metallic brace or a steel core (see the line above). If a PVC gate does not have a brace: fasten a metallic brace to the gate where the rack and pinion will be fastened.		
<b>WOODEN GATE</b>	Wood screws, diameter 6 x 40 mm minimum + washer	Socket wrench no.10	Make a starter hole with a wood drill, diameter 2.5 mm or wood auger.
			

# 1 INSTALLATION

## 1.1 Unlock the motor

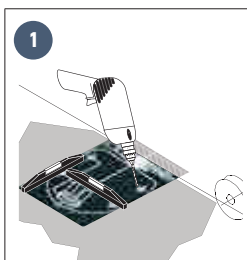


Position the motor's handle 

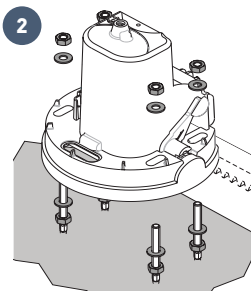
**The pinion is freed.  
The motor is unlocked.**

## 1.2 Installing the motor

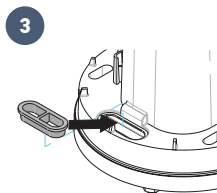
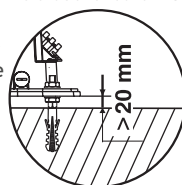
### ► Fastening the motor to the ground



- Position the installation template **C** on the ground and drill 4 holes using a drill bit ( $\varnothing$  12 mm) suitable for the type of ground.



- Insert the plugs. Tighten the studs.
- Tighten 4 nuts and 4 washers.
- Remove the motor cover.
- Position the motor on the studs: ensure that the bracket (base of the motor) is no more than 25 mm above the ground. The recommended space is between 20 and 25 mm.
- Once the motor is positioned at the right height in relation to the ground, fix it in place using the 4 washers and 4 nuts.

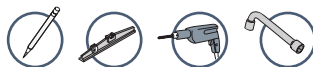


- Position the pre-drilled grommet in the opening provided for the cable feed.



Check that the motor is level.

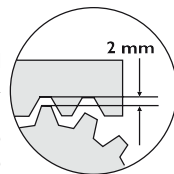
## ► Fastening the rack and pinion



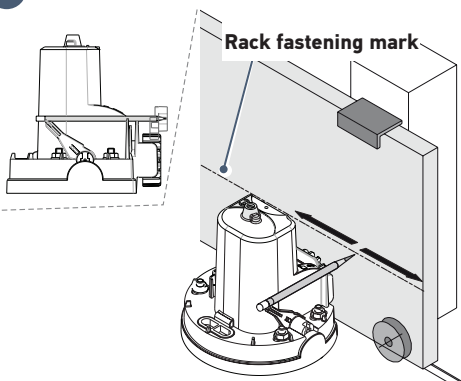
- The rack and pinion must be fastened to the gate brace.
- Use suitable screws for the material of your gate (see page 8).
- Never lubricate the motor rack and pinion.



- By aligning the top of the rack with the line drawn in pencil, the required 2 mm clearance between the rack and pinion is obtained.
- If the fastening points are too close to the edge of the brace: fasten the rack at the centre of the oblong holes.



1



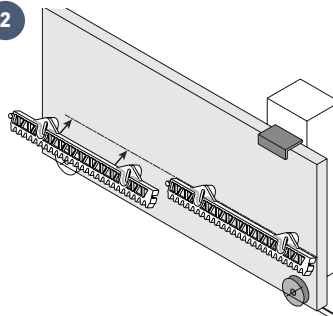
- Open the gate completely.
- Use the pencil provided to mark the position of the rack.



If the pencil makes a mark above the brace, the rack provided us not suitable for your gate. A low-fastening rack (ref. 9011089) must be used. Please contact Somfy.

- With one hand, hold the pencil in the notches provided on the motor and with the other hand, slide the gate to mark the fastening height of the rack.

2



- Position the rack by aligning the top of the rack with the line drawn in pencil.
- Fasten the first item of the rack.
- Install and fasten the other items in the same way, interlocking them with the others.

## 1.3 Checking the installation of the motor

### Check that:

- the motor is level.
- the gate runs correctly,
- the pinion is correctly driven.
- the 2 mm clearance between the rack and pinion does not vary significantly .

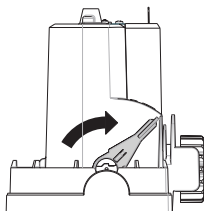
If these conditions are not satisfied, adjust the height of the rack.

Once all these checks have been completed, tighten the nuts to fasten the motor permanently.

## 1.4 Locking the motor



Never lock the motor when the gate is moving as this may damage the motorisation



Push the motor handle towards the gate.

**The motor is locked.**

## 1.5 Wiring the motor

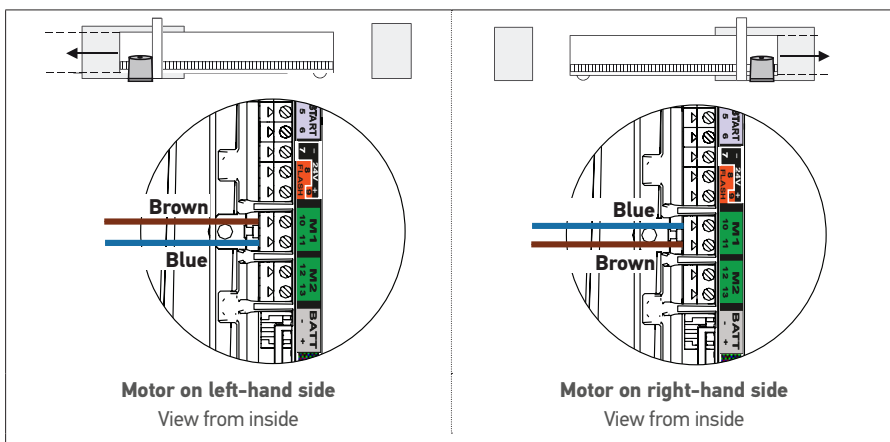


For your safety, these operations must be carried out with the power supply switched off.



The motor is wired as standard for installation to the left of the gate

To install the motor to the right of the gate, switch the wires connected to terminals 10 and 11 of the control electronics (green M1 label).



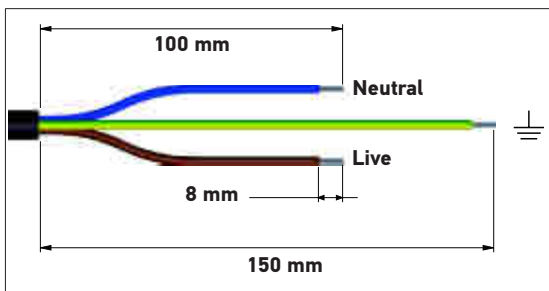
Connect nothing to terminal M2.

## 1.6 Connecting to the 230V power supply

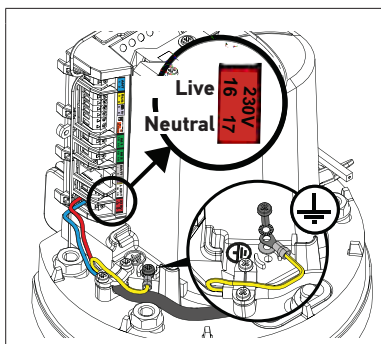


- For your safety, these operations must be carried out with the power supply switched off.
- Use a 3 x 1.5 mm<sup>2</sup> cable or 3 x 2.5 mm<sup>2</sup> for outdoor use (type H07RN-F minimum).
- The cable clamp supplied must be used. For all low-voltage cables, ensure that they can withstand traction of 100 N. Check that the conductors have not moved when this traction has been applied.

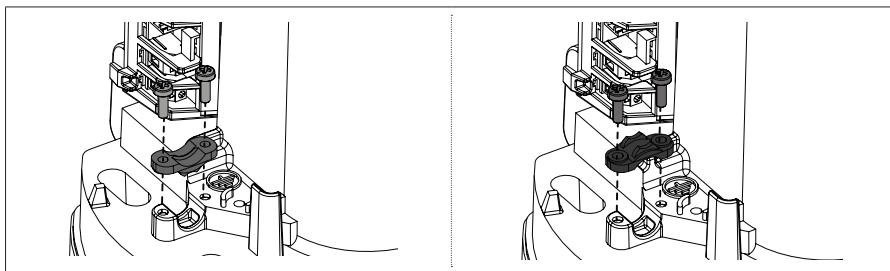
1. Strip the wire over a distance of 150 mm.
2. Overlap the live and neutral wires at 100 mm.
3. Strip the 3 wires over a distance of 8 mm.
4. Crimp the terminal provided **p** on the earth wire (yellow and green).
6. Connect the wires as shown in the table:



Wire colour	Type	Terminal	Comments
Blue	Neutral	17	
Brown / black / red	Live	16	
Yellow and green	Earth		Tighten a flat washer <b>q</b> , the power supply earth terminal crimped in step 4 and a star washer <b>r</b> using a screw <b>i</b> .



7. Tighten the cable clamp supplied.

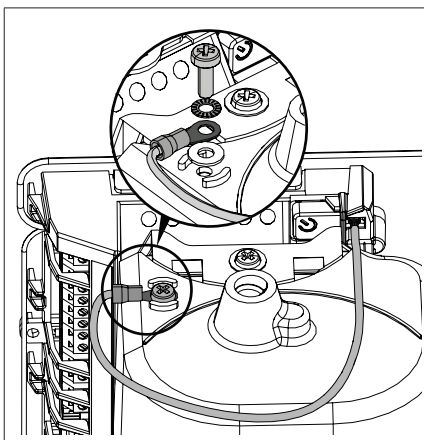


For a 3x1.5 mm<sup>2</sup> cable

For a 3x2.5 mm<sup>2</sup> cable

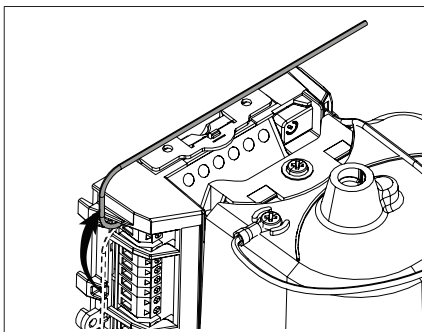
## 1.7 Earthing the control electronics

1. Connect the earth wire supplied **h** to the top right of the control electronics.
2. Tighten a flat washer **q**, the earth wire terminal **h** and a star washer **r** using a screw **i** to the top of the motor.



## 1.8 Position of the control electronics aerial


Position the aerial on top of the motor.






## 2 COMMISSIONING AND STANDARD USE

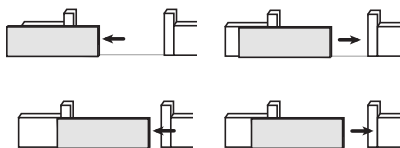
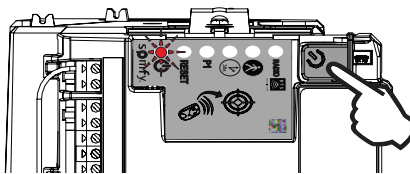
### 2.1 Switching the installation on

1. The  indicator flashes (twice).  
**The motor is switched on and awaiting self-learning.**
2. If the indicator light  does not come on or the number of flashes is not as expected: see diagnostic page 32.


### 2.2 Gate travel self-learning

#### Prerequisite - before starting self-learning, check that:

- The installation is switched on: the indicator light  flashes (twice).
- The gate is at its mid-point.
- The motor is locked.



Press the  button on the control electronics.

- The gate opens, closes, opens partially and closes again.
- The indicator light  is lit constantly.

**Self-learning has been successfully completed and the motor is operational.**



If the indicator light  flashes (twice), begin the self-learning process again.

**The gate must be closed once self-learning is complete.**



If the gate is open, see the IMPORTANT box below.




#### IMPORTANT

**If the gate is open once self-learning is complete:**

1. Clear the settings (see page 31).
2. Switch the motor off.
3. switch the wires connected to terminals 10 and 11 (green M1 label) of the control electronics (see "Motor wiring", page 12).
4. Unlock the motor.
5. Position the gate at its mid-point.
6. Lock the motor.
7. Switch the motor on.
8. Starting the self-learning process again.




During the self-learning process, pressing button 1 on the remote control or the  button on the control electronics causes the gate and the self-learning process to stop.

## 2.3 Standby / reactivation of the control electronics



Once the self-learning process has been completed, the electronics automatically switch to standby after 5 minutes of inactivity to save energy.

In standby mode, all indicator lights are switched off.

To check if the motor is switched on or to check/modify the parameter setting, press the  button for 2 seconds to reactivate the electronics.

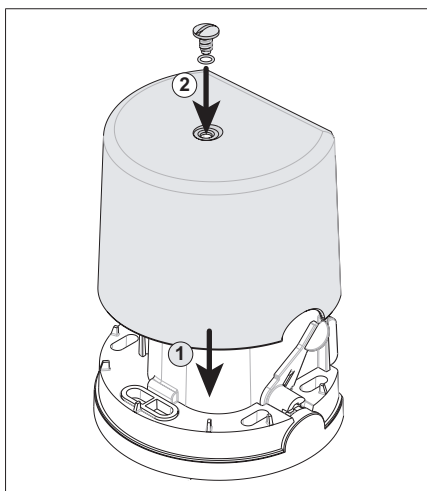
## 2.4 Plugging the openings





You are strongly advised to plug all the openings to avoid short circuits caused by insects.

Once all the cables have been fed through, plug the openings (oblong holes, cable feed openings) using silicone.

## 2.5 Lifting the cover

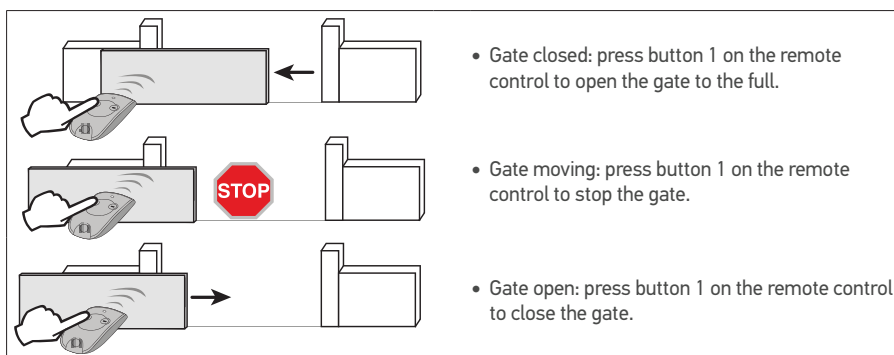
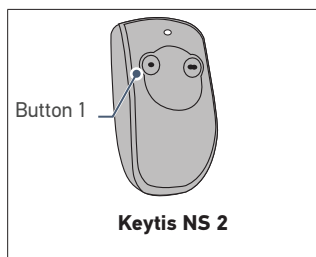


1. Place the cover on the motor bracket (base).
2. Insert the seal  to ensure the motor and cover screw  are watertight.
3. Fasten the cover.

## 2.6 Fully opening and closing the gate



The remote controls supplied with the kit are already memorised and programmed so that button 1 on the remote controls activates full opening of the gate.



## 2.7 Obstacle detection

**If an obstacle is detected (abnormal force on the motorisation):**

- **When the gate is opening:** the gate will stop.
- **When the gate is closing:** the gate will stop and reopen.

### 3 WIRING THE ACCESSORIES



For your safety, these operations must be carried out with the power supply switched off.

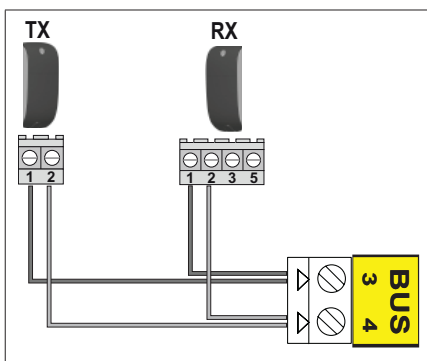


You are advised to perform self-learning of the gate travel before connecting the accessories (photoelectric cells, orange light, etc.)

#### 3.1 Photoelectric cells (depending on the pack chosen)



It is not possible to connect a second set of photoelectric cells on this motorisation.



##### ► Installation

After wiring the photoelectric cells:

- switch the motor on again,
- start a gate opening or closing procedure.

**The photoelectric cells are recognised by the control electronics once this movement is complete.**

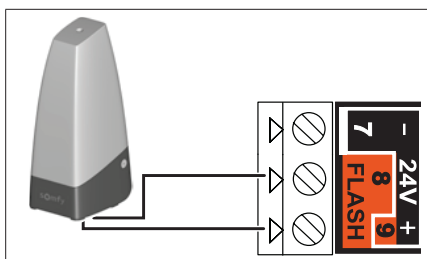
##### ► Operation with photoelectric cells

**If the cells are blocked when closing the gate, the gate will stop and reopen.**

#### 3.2 Orange light (depending on the pack chosen)



10 W - 24 V bulb MAXIMUM - use of a bulb with power greater than 10 W - 24 V can cause motorisation malfunctions.



##### ► Operation of the orange light

The orange light flashes while the gate is moving.

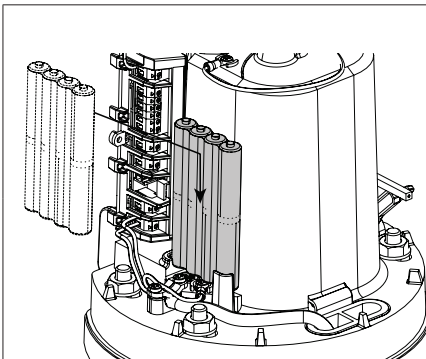
### 3.3 Battery (optional)




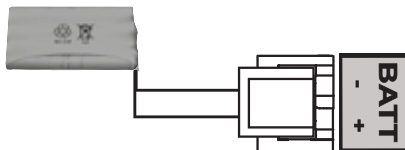
This accessory is not compatible with solar power.



To optimise the service life of the battery, cut the electrical power to the gate at least 3 times a year and run a few cycles using the battery.



The backup battery ensures the operation of the gate in the event of an electrical power failure. **The indicator light  flashes (1 pulse) when the motor is battery-operated.**



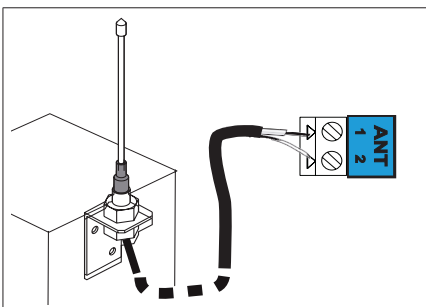
#### Battery specifications:

- Battery life: 10 continuous cycles or 24 hours on a gate in perfect condition.
- Optimum charge time before using the battery: 48 hours
- Service life: 3 years.



To increase the operation time of the battery during use, the wired controls are deactivated and the gate can only be controlled using the remote controls and the radio control points.

### 3.4 Offset aerial (optional)

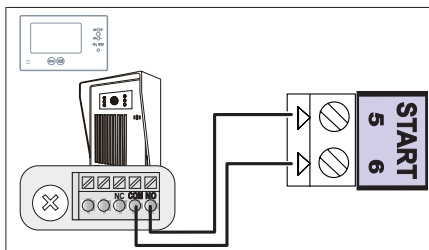


The aerial wire can be replaced with an offset aerial with a greater range. This is placed on top of the pillar and must be clearly accessible.

The offset aerial is connected to terminals 1 and 2 of the electronics unit (blue "ANT" label):

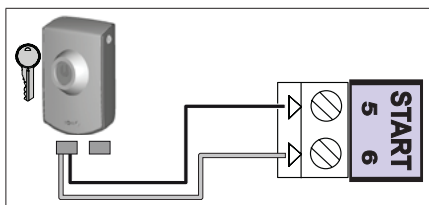
- the wire core to terminal 1
- the ground strap to terminal 2

### 3.5 Video door phone (optional)



**!**  
This accessory is not compatible with solar power.

### 3.6 Key lock (optional)

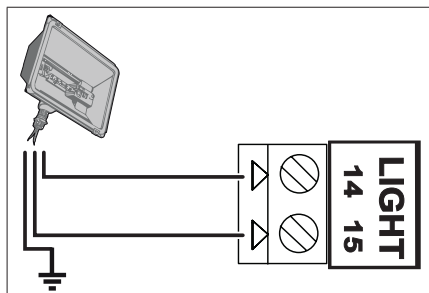


**!**  
This accessory is not compatible with solar power.

### 3.7 Area lighting (optional)



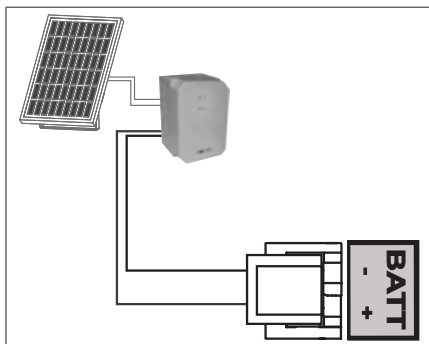
**!**  
This accessory is not compatible with solar power.  
Only use halogen or incandescent bulbs for area lighting, 500 W maximum.



### 3.8 Solar power (optional)



Never connect your motor to a 230 V power supply when it is connected to a solar power supply, as this may damage the motor's electronics unit.



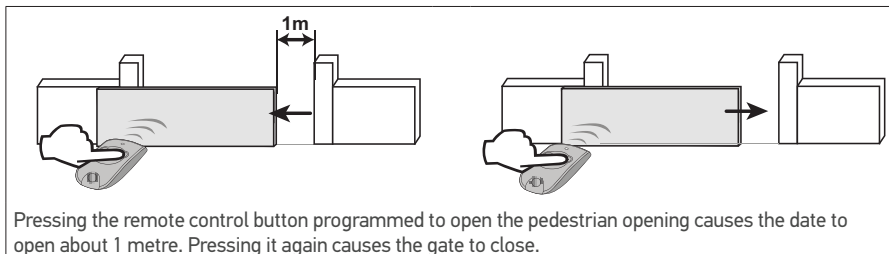
#### When the motor is running on the solar feed:

- only the remote controls and radio control points can be used to control the gate (wired controls are deactivated),
- - the wired safety accessories (photoelectric cells, orange light) remain active.

## 4 ADVANCED PARAMETER SETTINGS

### 4.1 Pedestrian opening

#### ► Pedestrian opening operation



#### ► Activating the pedestrian opening



Button 1 on 2- or 4-button remote controls cannot be programmed to control pedestrian opening. See "Programming the remote controls", pages 27-29, for more information.

**1**

- Press on the button of the control electronics for 2 seconds.  
**The indicator light comes on.**

**2**

- Position the remote control on the control electronics target.

**3**

- Press **button 2** on the remote control.  
The "RADIO" and indicator lights come on then go out. The pedestrian opening is activated on this button.



Move away from the control electronics to test the pedestrian opening.

#### ► Deactivating the pedestrian opening

Repeat the "Activate pedestrian opening" procedure using the button for which the pedestrian opening must be deactivated. **The indicator light comes on then goes out. The pedestrian opening is deactivated on this button.**



## 4.2 Automatic closing

### ▶ Automatic closure operation

Press button 1 on the remote control to open the gate.

**The gate closes again after 30 seconds or 5 seconds if the photoelectric cells detect a passage.**

The automatic closing can be interrupted by pressing button 1 on the remote control. To then close the gate, press button 1 on the remote control again.

### ▶ Activating automatic closing



The automatic closing can only be activated if the photoelectric cells are connected and recognised by the motor's control electronics.

**1**

- Press on the button of the control electronics for 2 seconds.  
**The indicator light comes on.**

**2**

- Position the remote control on the control electronics target.

**3**

- Keep **button 1** of the remote control depressed until the indicator light flashes.

**4**

- Keep **button 2** on the remote control depressed until the indicator light goes out and is then lit constantly.

**5**

- When you release **button 2**, the indicator light flashes; press **button 1** on the remote control 3 times

**6**

**7**

The indicator light remains lit.  
**Automatic closing is activated.**

## ▶ Deactivating automatic closing

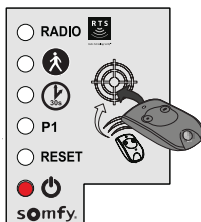
1



- Press the button on the control electronics for 2 seconds.

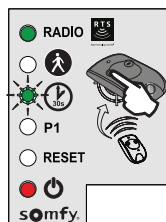
**The indicator light comes on.**

2



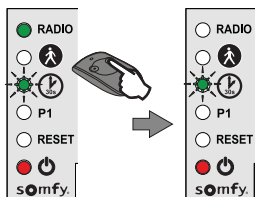
- Position the remote control on the control electronics target.

3



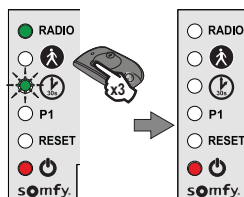
- Keep **button 1** of the remote control depressed until the indicator light flashes.

4



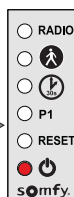
- Press **button 2** on the remote control. **The indicator light flashes.**

5



- Press **button 1** on the remote control 3 times.

6



The indicator light is off. **Automatic closing is deactivated.**

## 4.3 Gate speed



A speed not adapted to the weight of the gate could cause serious injury to users, for example by being crushed by the gate. To meet the requirements of standard EN 12453, it is essential to comply with the field of application constraints.



By default, the gate operates at standard speed




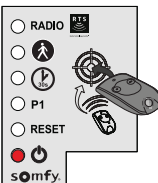
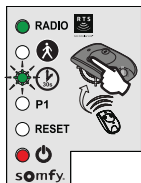

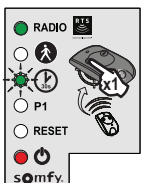
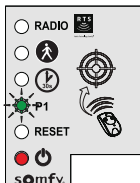
### ► Field of application

Set the gate speed in accordance with the table below:

Gate weight	Standard speed	Slow speed
0 to <100 kg	✓	✓
100 to <200 kg	✓	✓
200 to <300 kg	✓ + safety edge*	✓
300 to <400 kg	✓ + safety edge*	✓

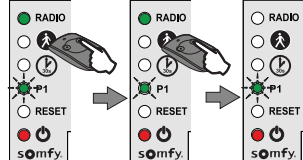
\*Installation of a passive safety edge (ref. 9014597) mandatory on the gate.

### ► Setting slow speed

<p><b>1</b></p>  <ul style="list-style-type: none"> <li>Press the  button on the control electronics for 2 seconds. <b>The indicator light  comes on.</b></li> </ul>	<p><b>2</b></p>  <ul style="list-style-type: none"> <li>Position the remote control on the control electronics target.</li> </ul>	<p><b>3</b></p>  <ul style="list-style-type: none"> <li>Keep <b>button 1</b> of the remote control depressed until the indicator light  flashes.</li> </ul>	<p><b>4</b></p>  <ul style="list-style-type: none"> <li>Press <b>button 1</b> on the remote control once.</li> </ul>	<p><b>5</b></p>  <p><b>Indicator light P1 flashes.</b></p>
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## ▶ Setting slow speed (continued)

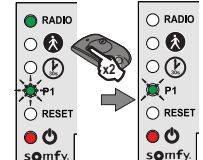
**6**



- Keep **button 2** depressed until the indicator light **P1** flashes slowly.  
**Slow speed is selected.**

---


**7**





- Press **button 1** on the remote control twice. Indicator light **P1** flashes slowly.  
**Slow speed is selected.**

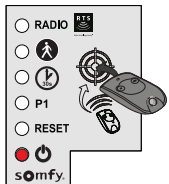
## ▶ Returning to standard speed

**1**



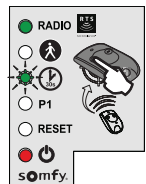
- Press the  button on the control electronics for 2 seconds.  
**The indicator light  comes on.**


**2**



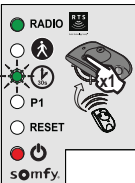
- Position the remote control on the control electronics target.

**3**



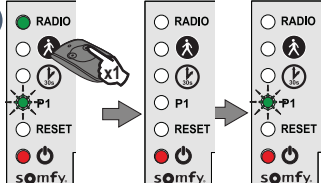
- Keep **button 1** of the remote control depressed until the indicator light  flashes.

**4**



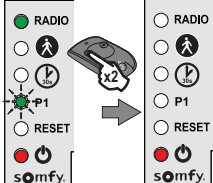
- Press **button 1** on the remote control once.  
**Indicator light P1 flashes.**

**5**



- Press **button 2** on the remote control once.  
**Indicator light P1 goes out for 5 seconds then flashes.**

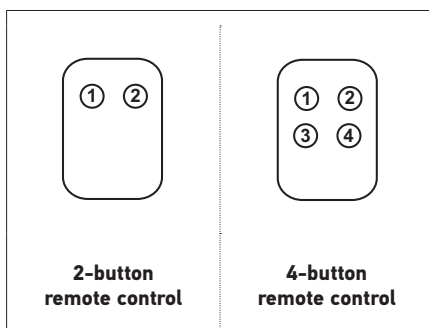
**6**



- Press **button 1** on the remote control twice. Indicator light **P1** is off  
**Standard speed is selected.**

## 5 PROGRAMMING THE REMOTE CONTROLS

### 5.1 Presenting the remote controls



Depending on the choice of settings, Somfy RTS remote controls can control:

- full opening of the gate
- pedestrian opening of the gate
- another Somfy RTS device (example: garage door motor, roller shutter, etc.)



The remote controls supplied with the kit are already memorised and programmed so that button 1 on the remote controls activates full opening of the gate.



You can memorise up to 16 control points for a motor (remote controls, other radio control points).

**A remote control that controls the pedestrian opening and the full opening of the gate counts as 2 control points.**

If you memorise a 17th control point, the first point memorised will automatically be deleted.



If you wish to programme a pedestrian opening, it must be programmed on the button following the one used to open the gate fully (e.g.: full opening controlled by button 2, pedestrian opening controlled by button 3).

**It is not possible to programme pedestrian opening on button 1 of the remote controls.**


#### ► Possibilities for programming the 2-button remote control

	Button 1	Button 2
Possibility 1	Complete opening	Pedestrian opening or other Somfy RTS automatism
Possibility 2	Another Somfy RTS device	Complete opening

## ► Possibilities for programming the 4-button remote control

	Button ①	Button ②	Button ③	Button ④
Possibility 1	Complete opening	Pedestrian opening or other Somfy RTS automatism	Another Somfy RTS automatism	Another Somfy RTS automatism
Possibility 2	Another Somfy RTS automatism	Complete opening	Pedestrian opening or other Somfy RTS automatism	Another Somfy RTS automatism
Possibility 3	Another Somfy RTS automatism	Another Somfy RTS automatism	Complete opening	Pedestrian opening or other Somfy RTS automatism
Possibility 4	Another Somfy RTS automatism	Another Somfy RTS automatism	Another Somfy RTS automatism	Complete opening

## ► Using a 3-button remote control



- To open the gate completely, press the **“Up”** button on the remote control.

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- To stop the gate while it is moving, press the central button on the remote control.

---

- To close the gate, press the **“Down”** button on the remote control.

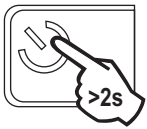




The 3-button remote control cannot be used to change the motor settings.

## 5.2 Adding a remote control

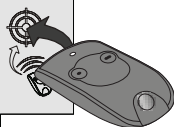
### ▶ 2 or 4-button remote control

**1**



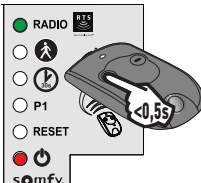
- Press the  button on the control electronics for 2 seconds.  
**The indicator light  comes on.**

**2**



- Position the new remote control to be programmed on the control electronics target.


**3**





- Briefly press the button on the remote control to be programmed. The **RADIO** indicator light will come on then go out when you release the button on the remote control.  
**Complete opening is programmed on this button.**

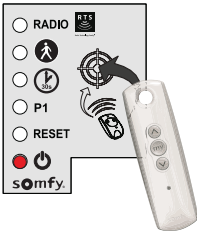
### ▶ 3-button remote control

**1**



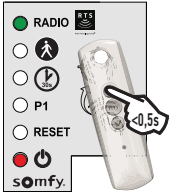
- Press the  button on the control electronics for 2 seconds.  
**The indicator light  comes on.**

**2**



- Position the remote control on the control electronics target.

**3**



- Briefly press a button on the remote control to be programmed. The **RADIO** indicator light will come on then go out when you release the button on the remote control.  
**The remote control has been memorised.**

## 5.3 Deleting a remote control

See “Clearing the settings” page 31.

## 6 REPAIRS



The motorisation must be disconnected from any power supply during cleaning, during maintenance and when parts are replaced.

### 6.1 Assistance

Despite the care taken in the design of our products and the creation of our guides, you may encounter difficulties during the installation of your automatic control device or have some unanswered questions. Do not hesitate to contact us; our specialists are on hand to answer all your questions.

### 6.2 Replacing the remote control battery





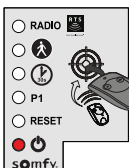
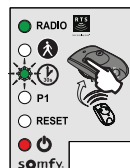

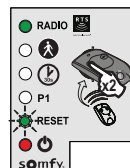
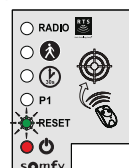
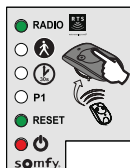
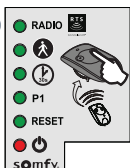
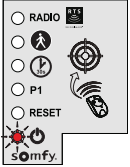

<p><b>1</b></p> <ul style="list-style-type: none"> <li>Remove the clip from the remote control.</li> </ul>	<p><b>2</b></p> <ul style="list-style-type: none"> <li>Insert the screwdriver in the slot and lift the cover.</li> </ul>	<p><b>3</b></p> <ul style="list-style-type: none"> <li>Remove the battery using a screwdriver.</li> </ul>	<p><b>4</b></p> <ul style="list-style-type: none"> <li>Replace the battery (3 V CR 2430).</li> </ul>
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## 6.3 Clear the settings




### When should I delete the settings?

- **After self-learning**, if you change the position opening stop, if you change the motor cables or if you add a safety edge to the gate.
- If the **gate opens at random** due to normal wear of the gate.

<p><b>1</b></p>  <ul style="list-style-type: none"> <li>• Press the  button on the control electronics for 2 seconds. <b>The indicator light comes on.</b></li> </ul>	<p><b>2</b></p>  <ul style="list-style-type: none"> <li>• Place the memorised remote control on the target.</li> </ul>	<p><b>3</b></p>  <ul style="list-style-type: none"> <li>• Keep <b>button 1</b> of the remote control depressed until the indicator light  flashes.</li> </ul>	<p><b>4</b></p>  <ul style="list-style-type: none"> <li>• Press <b>button 1</b> on the remote control twice.</li> </ul>	<p><b>5</b></p>  <p><b>The "RESET" indicator light flashes.</b></p>
<p><b>To clear the settings*</b></p>		<p><b>To clear the settings* and the memorised remote controls/control points</b></p>		
<p><b>6</b></p>  <ul style="list-style-type: none"> <li>• Keep <b>button 2</b> of the remote control depressed until the <b>"RESET" indicator light comes on.</b></li> </ul>		<p><b>6</b></p>  <ul style="list-style-type: none"> <li>• Keep <b>button 2</b> of the remote control depressed until the <b>all the indicator lights come on.</b></li> </ul>		
<p><b>7</b></p> 		<p><b>The indicator light  flashes twice (see 15 to run a self-learning procedure).</b></p>		

\*Gate travel, deactivation of the settings, ...

## 6.4 Diagnostics

Diagnostics		Repairs
<b>The motor does not respond to commands from the remote control</b>	The remote control range is reduced	<ul style="list-style-type: none"> <li>• Check the remote control battery ("Replacing the remote control battery", see page 30).</li> <li>• Check the aerial of the electronics unit (wiring, position, see page 14).</li> <li>• Check that there are no outside elements that may be interfering with the radio signal (electric pylon, metal reinforced walls, etc.). If this is the case, fit an offset aerial.</li> </ul>
	Non-memorised remote control	Memorise the remote control (see page 29).
	Motor unlocked	Lock the motor.
<b>The indicator light  on the electronics unit is off</b>	The electronics unit is on standby	Press  for 2 seconds to reactivate the electronics unit.
	No power supply to the control electronics	<ul style="list-style-type: none"> <li>• Check the mains power supply.</li> <li>• Check the power supply cable.</li> </ul>
<b>The indicator light  of the electronics unit is flashing:</b>		
1 flash	Operation using the backup battery	Check the mains power supply.
2 flashes	Motor waiting for gate travel to be programmed	Start self-learning procedure (see page 15).
3 flashes	Faulty photoelectric cells	<ul style="list-style-type: none"> <li>• Check that there is nothing obstructing the cells.</li> <li>• Check cell alignment.</li> <li>• Check the cell wiring (see page 18).</li> </ul>
4 flashes	Short circuit of electronic unit "START" output (terminals 5-6)	Check the accessories connected to the electronic unit's "START" output.
5 flashes	Motor thermal protection device activated	Allow the motor to cool down for several minutes.
6 flashes	Short circuit of electronics unit's "BUS" output (terminals 3-4)	Check the accessories connected to the electronic unit's "BUS" output.
	Short circuit of electronics unit's "24 V output" (terminals 7-9)	Check the accessory connected to the electronic unit's "24 V" output.
	Short circuit of electronics unit's "orange light" output (terminals 8-9)	Check the wiring of the orange light (see page 18).
	Motor short circuit	Check the motor wiring (see page 12).

## 7 TECHNICAL DATA

<b>Power supply</b>	230 V-50 Hz / 24 V (with solar power)
<b>Motor type</b>	24 V
<b>Motor output</b>	120 W
<b>Max. power consumed (with area lighting)</b>	600 W
<b>Standby consumption</b>	3.5 W
<b>Maximum frequency of movements per day</b>	20 cycles per day 10 cycles per day using solar power
<b>Opening time</b>	16 s for a gate of 150 kg/3m
<b>Automatic obstacle detection</b>	Compliant with standard EN 12 453
<b>Operating temperature</b>	-20°C to +60°C
<b>Thermal protection</b>	Yes
<b>Protection rating</b>	IP 44
<b>Integrated radio receiver</b>	Yes
<b>Remote controls</b>	
• Radio frequency	433.42 MHz, < 10 mW
• Range in field of use	~30 m
• Storage quantity	16
<b>Possible connections:</b>	
• Output for orange light	Flashing , 24 V, 10 W maximum
• Lighting output	500 W max. with 230 V (halogen or incandescent only)
• Accessories supply output	24 Vdc / 15 W max.
• Backup battery input	Yes
• Photoelectric cell input	Yes
• Dry contact control input	Yes (does not work with battery or solar power)

## Somfy France

0 820 055 055 (0,15€ la minute)

Forum d'entraide : [forum.somfy.fr](http://forum.somfy.fr)

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## Somfy LLC Russia

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[www.somfy.ru/diy](http://www.somfy.ru/diy)

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[www.somfy.es](http://www.somfy.es)

## Somfy Portugal

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[www.somfy.pt](http://www.somfy.pt)

## Somfy Hellas SA

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