1 - SAFETY INSTRUCTIONS

This symbol indicates a danger, the different degrees of which are described below.

⚠️ DANGER
Indicates a danger which may result in immediate death or serious injury

⚠️ WARNING
Indicates a danger which may result in death or serious injury

⚠️ PRECAUTION
Indicates a danger which may result in minor or moderate injury

⚠️ ATTENTION
Indicates a danger which may result in damage to or destruction of the product

1.1 Caution - Important safety instructions
For reasons of personal safety, it is important to follow all the instructions, as incorrect installation can lead to serious injury. Retain these instructions.

The motorisation must be installed and adjusted by a professional motorisation and home automation installer, in compliance with the regulations of the country in which it is to be used.

The user manual and installation manual must be given to the end user, explicitly stating that installation, adjustment and maintenance of the motorisation must be performed by a professional motorisation and home automation installer.

1.2 Introduction
> Important information
This product is a receiver for vertically opening roller garage doors for residential use. To ensure compliance with the standard EN 60335-2-95, this product must be installed with a Somfy RDO CSI motor and a Somfy safety edge solution. The assembly is together designated as a "motorisation".

The main purpose of these instructions is to satisfy the requirements of the aforementioned standard and to ensure the safety of equipment and persons.

⚠️ WARNING
Any use of this product outside the area of application described in this manual is prohibited (see "Area of application" paragraph in the installation manual). Such use, and any failure to comply with the instructions given in this guide, absolves Somfy of any liability and invalidates the warranty.

The use of any safety accessories not validated by Somfy is prohibited.

In case of any doubts when installing the motorisation, or to obtain additional information, consult the website www.somfy.com.

The instructions may be modified if and when there is a change to the standards or to the motorisation.
1.3 Preliminary checks

> Installation environment

**ATTENTION**
Do not spray water onto the motorisation.
Do not install the motorisation in an explosive environment.

> Condition of the door to be motorised
See the safety instructions for the RDO CSI motor.

1.4 Electrical pre-equipment

**DANGER**
The installation of the power supply must comply with the standards in force in the country in which the motorisation is installed, and must be carried out by qualified personnel.
The electric line must be exclusively reserved for the motorisation and equipped with protection, comprising:
- a 10 A fuse or breaker,
- a differential type device (30 mA).
An all-pole supply cut-off device must be provided.
It is recommended that you fit a lightning conductor (maximum residual voltage 2 kV).

> Cable feed
Underground cables must be equipped with a protective sheath with a sufficient diameter to contain the motor cable and the accessories cables.
For overground cables, use a cable grommet that will withstand the weight of vehicles (ref. 2400484).

1.5 Safety instructions relating to installation

**DANGER**
Do not connect the motorisation to a power source before installation is complete.

**WARNING**
Ensure that any danger zones (crushing, cutting, trapping) between the driven part and the surrounding fixed elements caused by the opening movement of the driven part are avoided or indicated on the installation (see the section on risk prevention).

**WARNING**
Modifying one of the elements provided in this kit or using an additional element not recommended in this manual is strictly prohibited.

Monitor the door as it moves and keep people away from it until installation is complete.
Do not use adhesive to secure the motorisation.

**ATTENTION**
Install any fixed control device at a height of less than 1.5 m and within sight of the door, but away from moving parts.

After installation, ensure that:
- the mechanism is correctly adjusted
- the motorisation changes direction when the door encounters an object 50 mm high on the ground.

1.6 Regulations

SOMFY declares that this product complies with the essential requirements of applicable European directives. A Declaration of Conformity is available at www.somfy.com/ce (Rollixo RTS).

1.7 Assistance

You may encounter difficulties or have questions when installing your motorisation.
Do not hesitate to contact us; our specialists are on hand to answer all your questions.
Internet: www.somfy.com

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**WARNING**
CAUTION: Automatic door – The door may operate unexpectedly. Do not leave anything in the door’s path.
Permanently affix the label concerning automatic door operation.

**DANGER**
A fall protection device suited to the weight of the door must be installed to prevent the risk of the door falling.

**WARNING**
For operation in automatic mode or remote control, photoelectric cells must be installed.

**WARNING**
For operation by pressing and holding down the button following a fault with the safety device, the door must be operated within sight of the door.

For operation in automatic mode, or if the garage door faces a public road, an orange light type signalling device may be required to comply with the regulations in the country in which the motorisation is installed.

> Clothing precautions
Take off any jewellery (bracelet, chain, etc.) during installation.
For manoeuvring, drilling and welding operations, wear appropriate protection (special glasses, gloves, ear protection, etc.).
1.8 Risk prevention

> Risk zones: measures to be taken to eliminate risks.

<table>
<thead>
<tr>
<th>RISK</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE 1</td>
<td>Risk of crushing between the ground and the lower edge of the door during closing</td>
</tr>
<tr>
<td>ZONE 2*</td>
<td>Risk of crushing between the casing and door</td>
</tr>
<tr>
<td>ZONE 3*</td>
<td>Risk of cutting or trapping between the door slats in gaps of between 8 mm and 25 mm</td>
</tr>
<tr>
<td>ZONE 4*</td>
<td>Risk of crushing between the runners and door</td>
</tr>
</tbody>
</table>

* For zones 2, 3 and 4, no protection is required if the door has continuous control or if the danger zone is more than 2.5 m above ground or any other permanent access level.

> Force measurement

Take the mid-height measurement of the garage door by positioning the measuring tool perpendicular to the panel which is closing. The standard stipulates:
- dynamic force ≤ 400 N
- dynamic time ≤ 750 ms
Other specifications set out in this standard are validated by Somfy during initial type testing.

2 - DESCRIPTION OF THE ROLLIXO RECEIVER

2.1 Area of application
The ROLLIXO receiver, linked to a Somfy RDO CSI motor and a Somfy safety edge solution, is designed to drive a vertically opening roller garage door for residential use with the following external dimensions:
- Height = 4 m maximum
- Width = 6 m maximum
**Number of cycles per hour**: 5 cycles/hour spread evenly throughout the hour

2.2 Description of the receiver

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Integrated lighting bulb</td>
</tr>
<tr>
<td>2</td>
<td>Receiver cover</td>
</tr>
<tr>
<td>3</td>
<td>Receiver cover bolt</td>
</tr>
<tr>
<td>4</td>
<td>External programming interface</td>
</tr>
<tr>
<td>5</td>
<td>Internal programming interface</td>
</tr>
<tr>
<td>6</td>
<td>433.42 MHz aerial</td>
</tr>
<tr>
<td>7</td>
<td>Plug-in terminals</td>
</tr>
<tr>
<td>8</td>
<td>Cable clamp</td>
</tr>
<tr>
<td>9</td>
<td>Cable clamp bolt</td>
</tr>
<tr>
<td>10</td>
<td>Alarm bolt</td>
</tr>
<tr>
<td>11</td>
<td>Fall protection shunt</td>
</tr>
<tr>
<td>12</td>
<td>Safety fuse for motor and integrated lighting</td>
</tr>
<tr>
<td>13</td>
<td>Spare fuse</td>
</tr>
<tr>
<td>14</td>
<td>E14 - 15W max - 230V bulb</td>
</tr>
</tbody>
</table>
2.3 Description of the external programming interface

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Up button</td>
<td>Opening the door</td>
</tr>
<tr>
<td>2</td>
<td>STOP Button</td>
<td>Stopping the door</td>
</tr>
<tr>
<td>3</td>
<td>Down button</td>
<td>Closing the door</td>
</tr>
<tr>
<td>4</td>
<td>Prog Button</td>
<td>Programming radio transmitters</td>
</tr>
<tr>
<td>5</td>
<td>Prog Indicator light</td>
<td>Information on radio reception and programming radio transmitters</td>
</tr>
<tr>
<td>6</td>
<td>Motor and fall protection warning light</td>
<td>Information on the status of the motor and fall protection</td>
</tr>
<tr>
<td>7</td>
<td>Safety edge indicator light</td>
<td>Information on the status of the safety edge and the safety edge transmitter</td>
</tr>
<tr>
<td>8</td>
<td>Battery indicator light</td>
<td>Information on the status of the battery</td>
</tr>
<tr>
<td>9</td>
<td>Cell indicator light</td>
<td>Information on the status of the cells</td>
</tr>
</tbody>
</table>

2.4 Space requirements

2.5 Standard installation diagram

3 - INSTALLATION

3.1 Mounting the Rollixo receiver

Ensure a suitable distance from the wall socket (2 m power supply cable supplied).

It is advisable to install the receiver on the same side of the door as the safety edge transmitter.

1. Remove the integrated light bulb.
2. Unscrew and remove the receiver cover.
3. Mark the drill holes.
4. Mount the receiver onto the wall.

3.2 Motor and fall protection wiring

The receiver must not be connected to the mains power supply during connection to the motor.

> Motor wiring

1. Connect the motor to the receiver.

Note: the motor’s direction of rotation shall then be checked and reversed if necessary.

2. Lock the motor cable with the cable clamp provided.

The motor cable must be placed in the receiver’s 230 V insulation area.
> Fall protection wiring

⚠️ The fall protection device must be wired.

3.3 Connecting the receiver to the mains power supply

1. Fully unfold the receiver aerial so that it is pointing downwards.
2. Screw the bulb supplied into the receiver.

⚠️ A bulb of the same type as that supplied (E14 - 15W max - 230V) must be used. Using another type of bulb may cause overheating.

3. Replace and screw in the receiver cover.
4. Refit the integrated lighting bulb.
5. Connect the receiver to the mains power supply. All the indicator lights come on and then go out.
   - If indicator light 1 comes on permanently, fall protection is not connected or incorrectly connected to the receiver.
   - If indicator light 2 comes on permanently, the safety edge has not been detected by the receiver (radio safety edge transmitter not yet memorised or the wired safety edge is still not connected).

3.4 Checking the direction of rotation of the motor and adjustment of the motor end limits

1. Press simultaneously on the and buttons until the motor's up and down movement occurs to enter motor adjustment mode. Indicator light 1 flashes slowly.

2. Press button or to check the motor's direction of rotation.
   - If the motor's direction of rotation is correct, move on to step [3] of the motor end limit setting procedure.
   - If the direction of rotation is incorrect, press button until the motor's up and down movement occurs, check the motor's direction of rotation again and move on to step [3] of the motor end limit setting procedure.

3. If the motor end limits are already set, move on to step [8] to exit motor adjustment mode.
   If the motor end limits are not set, check that the motor is released: the two push-buttons should be pressed.

4. Press button to position the garage door in the upper position. Adjust the top position with buttons and .

Note: The motor end limits can also be set with a setting tool (ref. 9015971). In this case, set the motor end limits with the cable then move on to step [8] to exit motor adjustment mode.
[5]. Press the motor’s upper end limit push-button.

[6]. Press button to position the garage door in the low position. Adjust the bottom position with buttons and .

[7]. Press the motor’s low end limit push-button.

[8]. Press simultaneously on the and buttons or press on the button until the motor’s up and down movement occurs to enter motor adjustment mode.

Indicator light 1 goes out.

4.3 Programming the XSE transmitter

[1]. Press the button on the receiver until the indicator light comes on permanently.

[2]. Using the tip of a pen, press the transmitter PROG push-button for 4 seconds.

Indicator light 2 on the receiver goes out and the receiver Prog indicator light will flash and then go out (this may take a few seconds, the time required for the transmitter and receiver to communicate with each other).

The transmitter is memorised in the receiver.

5 - INSTALLING AN OPTICAL RADIO SAFETY EDGE WITH OSE TRANSMITTER

5.1 Installing the optical safety edge and its OSE transmitter

Follow the instructions provided with the OSE transmitter and the optical safety edge installation kit.

5.2 Programming the OSE transmitter

[1]. Press the button on the receiver until the indicator light comes on permanently.

[2]. Using the tip of a pen, press the transmitter PROG push-button for 4 seconds.
6 - INSTALLING A RESISTIVE RADIO SAFETY EDGE WITH ESE TRANSMITTER

6.1 Installing magnets on the runner
To function correctly, this solution requires a set of magnets to be installed on the runner.

6.2 Installing the resistive safety edge and its ESE transmitter
Follow the instructions provided with the ESE transmitter and the resistive safety edge lengthening kit.
6.3 Recognising magnets

It is essential that the following procedure is observed to ensure completely safe operation of the door. The door must be in the intermediate position before the magnet recognition procedure can be started. Do not press the safety edge during the magnet recognition procedure.

It is recommended to carry out two whole cycles (opening then closing) using buttons 0 and 1.

7 - CHECKING OPERATION OF THE RECEIVER

At the end of installation, it must be checked that the limitation of forces complies with appendix A of the standard EN 12 453.

7.1 Operation in sequential mode

7.2 Integrated lighting

The lamp comes on each time a command is sent to the receiver. It goes out 2 minutes after the door stops.

7.3 Orange light

The orange light flashes every time the receiver is controlled, with or without a 2-second warning, depending on the configured parameter setting. It stops flashing when the door stops.

7.4 Cells

If the cells are blocked when the door is closed, it stops, then re-opens fully. If the cells are blocked when the door is opened, the door continues its movement.

7.5 Safety edge

If the safety edge is activated when the door is closing, it stops then re-opens partially.

If the safety edge is activated while the door is opening, it continues its movement.

7.6 Alarm (optional)

The alarm is triggered for 2 minutes if the door is fully closed and raised manually. No movement of the door is possible when the alarm is sounding. When the alarm sounds, press a button on a remote control memorised in the receiver to stop it.

The alarm can only be stopped with a memorised remote control.

8 - CONNECTING ADDITIONAL DEVICES

8.1 General wiring diagram

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Type of terminal</th>
<th>Connection</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Earth L1</td>
<td>RDO CSI 50 or 60 motor</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Neutral L2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Contact Fall protection - NC contact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Shared</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Contact Safety edge safety input</td>
<td>Wired 8k2 resistive safety edge (terminals 7 - 8)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Shared</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Contact 12 Vdc 12 Vdc safety edge power supply</td>
<td>Wired optical safety edge (terminals 7 - 8 - 9)</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>0 Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Contact NO contact Sequential control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Shared</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>24 Vdc</td>
<td>24V - 3.5 W orange light output Maximum 4 W bulb</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>0 Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Contact Cell safety input (NC) Reflex photocell self-test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>24 Vdc</td>
<td>TX cell 24 V power supply Transmitting photoelectric cell/Reflex photocell power supply</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>0 Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>24 Vdc</td>
<td>RX cell 24 V power supply Receiving photoelectric cell power supply</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>0 Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Shared</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Contact Cell safety test output Reflex photocell self-test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Test output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>433.42 MHz aerial Do not connect an offset aerial (incompatible)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 8.2 Parameter setting for wiring options

<table>
<thead>
<tr>
<th>Dipswitch</th>
<th>Possible parameter setting</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cell self-test</td>
<td>Activated</td>
<td>Deactivated</td>
</tr>
<tr>
<td>2</td>
<td>Choice of cell type</td>
<td>Photoelectric</td>
<td>Electric eye</td>
</tr>
<tr>
<td>3</td>
<td>Orange light 2s warning</td>
<td>Activated</td>
<td>Deactivated</td>
</tr>
<tr>
<td>4</td>
<td>Choice of wired safety edge type</td>
<td>Resitive</td>
<td>Optical</td>
</tr>
<tr>
<td>5</td>
<td>Holiday mode parameter setting (see section 9.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Do not use</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Receiver

<table>
<thead>
<tr>
<th>Receiver</th>
<th>Dipswitch 1</th>
<th>Dipswitch 2</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without auto-test</td>
<td>OFF</td>
<td>OFF</td>
<td>Requires checking for correct operation every 6 months.</td>
</tr>
<tr>
<td>With auto-test</td>
<td>ON</td>
<td>OFF</td>
<td>Enables an automatic test to be carried out to check the operation of the photoelectric cells each time the door moves. If the operational test is negative, closure is in downgraded mode (press and hold down (setState)).</td>
</tr>
</tbody>
</table>

If cells are removed, it is essential to create a bridge between terminals 18 and 19.

It is compulsory to install photoelectric cells if:
- the automatic control device is being controlled remotely (user unable to see it),
- automatic closure is activated.

---

### 8.3 Description of the various additional devices

#### Photoelectric cells

N.B.: In accordance with standard EN 12453 governing the safe use of motorised gates and doors, the use of the TAHOMA control box to automatically control a garage door or gate not visible to the user requires the installation of a photoelectric cell type safety device with autotest on the automatic control system.

#### Reflex photocell

N.B.: In accordance with standard EN 12453 governing the safe use of motorised gates and doors, the use of the TAHOMA control box to automatically control a garage door or gate not visible to the user requires the installation of a photoelectric cell type safety device with autotest on the automatic control system.
> Optical wired safety edge - Dipswitch 4 receiver set at OFF

If a wired safety edge replaces a radio safety edge, the radio safety edge transmitter must be cleared (see section 13) to ensure the wired safety edge is taken into account.

>Dipswitch 4 receiver position

> Key lock
Successive presses cause the motor to move (initial position: door closed) as per the following cycle: open, stop, close, stop, open, etc.

> Wired 8k2 resistive safety edge - Dipswitch 8k2 4 receiver set to ON

If a wired safety edge replaces a radio safety edge, the radio safety edge transmitter must be cleared (see section 13) to ensure the wired safety edge is taken into account.

>Dipswitch 4 receiver position

> Alarm

It is essential to have programmed at least one remote control. The alarm can only be stopped with a memorised remote control.

- Installing and connecting the alarm
Mount the alarm to the receiver with the bolt provided.
Connect the alarm connector.

- Activating/Deactivating the alarm
To activate/deactivate the alarm, simultaneously press the and buttons on the receiver until the 4 indicator lights flash rapidly.
The alarm emits a beep if it has been activated.

> Orange LED (part no. 9017842)

Dipswitch 3 receiver set to ON → 2-second warning activated
Dipswitch 3 receiver set to OFF → No warning

> Alarm operation
The alarm is triggered for 2 minutes if the door is raised manually.
No movement of the door is possible when the alarm is sounding.
When the alarm sounds, press a button on a remote control memorised in the receiver to stop it. The alarm can only be stopped with a memorised remote control.

> Alarm operation test
Simultaneously press then quickly release the and buttons on the receiver.
The alarm triggers briefly to indicate that it is activated.
9.1 Different operating modes

> 2 operating modes are available:

**Sequential (default mode)**
- Each press on the remote control causes the motor to move (initial position: door closed) as per the following cycle: open, stop, close, stop, open, etc.

**Semi-automatic**
- In semi-automatic mode:
  - pressing a button on the remote control during opening has no effect,
  - pressing a button on the remote control during closing causes it to reopen.

> 2 automatic closure options are available for the door:

**Closure time delay**
- With automatic closure time delay:
  - the door is closed automatically after the programmed time delay has elapsed (20 s, by default),
  - pressing a button on the remote control interrupts the movement taking place and the closure time delay (the door remains open).

**Cell locking**
- After the door is opened, movement in front of the cells (safe closure) will close the door after a short timed delay (fixed at 5 seconds).
- If there is no movement in front of the cells, the door will close automatically after the programmed closure time delay (20 s, by default).
- If there is an obstacle in the cells’ detection zone, the door will not close. It will close once the obstacle is removed.

**Note:** by default, no automatic closure option for the door is activated.

---

9.2 Programming operating modes

> Changing the operating mode

Briefly press the M button to switch from sequential mode to semi-automotive mode.

<table>
<thead>
<tr>
<th>Indicator lights</th>
<th>Mode activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>Sequential</td>
</tr>
<tr>
<td>M2</td>
<td>Semi-automatic</td>
</tr>
</tbody>
</table>

---

9.3 Automatic closing mode

> Activating automatic closure

Short press on the T button to activate automatic closure.

<table>
<thead>
<tr>
<th>Indicator light</th>
<th>Automatic closure option activated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Closure time delay</td>
</tr>
<tr>
<td></td>
<td>Cell locking</td>
</tr>
<tr>
<td></td>
<td>No option active</td>
</tr>
</tbody>
</table>

> Modification of the automatic closure time delay

The automatic closure time delay can be adjusted from 5 seconds to 2 minutes (20 seconds by default)

To modify the automatic closure time delay, one or other of the automatic closure options must be activated.

1. Run the timer by pressing and holding down the T button for 2 seconds. Indicator light ** flashes rapidly.
2. Stop the timer by briefly pressing the T button when the desired time delay is obtained. Indicator light ** flashes slowly or comes on permanently.

---

9.4 Holiday mode

> Activating/deactivating holiday mode

The door must be closed to activate this mode.

To activate/deactivate holiday mode, press the STOP button until the 4 indicator lights flash rapidly for 2 seconds.

When holiday mode is active, each time a locked control (programming interface or remote control) is pressed, indicator lights 1, 2, 3 and Prog start flashing for 2 seconds.

> Holiday mode parameter setting

<table>
<thead>
<tr>
<th>ON</th>
<th>OFF</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipswitch 5</td>
<td>Holiday mode</td>
<td>X (default setting) Programming Interface locked (remote controls and keyswitch active)</td>
</tr>
<tr>
<td>X</td>
<td>Remote controls locked (programming interface and keyswitch active)</td>
<td></td>
</tr>
</tbody>
</table>
10 - STORING THE REMOTE CONTROLS

10.1 Memorising 2 or 4-button remote controls
1. Press the Prog button on the receiver until the indicator light comes on permanently.
2. Press a button on the remote control to be memorised within a maximum time delay of 2 minutes. The indicator light above button Prog on the receiver flashes; the remote control is memorised in the receiver.

10.2 Memorising 3-button remote controls
1. Press the Prog button on the receiver until the indicator light comes on permanently.
2. Press the PROG button on the back of the remote control to be memorised within a maximum of 2 minutes. The indicator light above button Prog on the receiver flashes; the remote control is memorised in the receiver.

10.3 Memorising by copying a previously memorised remote control

This operation must be carried out close to the receiver.

A = “source” remote control already stored
B = “target” remote control to be stored

> With an RTS Keygo

> With a 3-button remote control

11 - MEMORISING SAFETY EDGE TRANSMITTERS

Memorising a new radio safety edge transmitter overwrites the previous transmitter.

11.1 Storing an XSE or OSE transmitter
1. Press the Prog button on the receiver until the indicator light comes on permanently.
2. Using the tip of a pen, press the transmitter PROG push-button for 4 seconds. Indicator light 2 on the receiver goes out and the receiver Prog indicator light will flash and then go out (this may take a few seconds, the time required for the transmitter and receiver to communicate with each other). The transmitter is memorised in the receiver.

11.2 Storing an ESE transmitter

The transmitter must already be installed and the resistive safety edge must be connected to the transmitter.
1. Press the Prog button on the receiver until the indicator light comes on permanently.
2. Press the button on the back of the safety edge transmitter 5 times. The safety edge transmitter indicator light comes on with each press and after the 5th press remains constantly lit for 4 seconds and then flashes for 4 seconds. Indicator light 2 on the receiver goes out and the receiver Prog indicator light will flash and then go out (this may take a few seconds, the time required for the transmitter and receiver to communicate with each other). The transmitter is memorised in the receiver.
3. Restart the magnet recognition procedure (see section 6.3).
12 - CLEARING THE REMOTE CONTROLS

12.1 Clearing a remote control
Executing "Remote control memorisation" procedures on an already memorised remote control clears it.

12.2 Clearing all remote controls

1. Press button [Prog] on the receiver (for approximately 7 seconds) until the indicator light above it goes out.
2. Release button [Prog] on the receiver when the indicator light goes out; the indicator light flashes slowly. All memorised remote controls will be cleared.

13 - CLEARING SAFETY EDGE TRANSMITTERS

Note: This operation must be carried out when a radio safety edge is replaced with a wired safety edge.

1. Press button [Prog] on the receiver (for approximately 14 s) until the indicator light above it goes out.
2. Release button [Prog] on the receiver during rapid flashing of the indicator light; the indicator light flashes slowly. The safety edge transmitter is cleared.

14 - LOCKING/UNLOCKING THE PROGRAMMING BUTTONS

The programming buttons must be locked to ensure user safety. When the programming buttons are locked, the following functions cannot be accessed:
- entering programming mode by pressing button [Prog] on the receiver
- entering motor end limit setting mode by pressing buttons [i] and [j] on the receiver
- setting the operating modes.
To lock the programming buttons, press buttons [STOP] and [Prog] on the receiver until all the indicator lights flash.

To lock the programming buttons, repeat the locking procedure described above.

15 - DIAGNOSTICS

15.1 Receiver

<table>
<thead>
<tr>
<th>Indicator light status</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Functional installation</td>
</tr>
<tr>
<td>Slow flashing</td>
<td>Waiting for an action/adjustment</td>
</tr>
<tr>
<td>Rapid flashing</td>
<td>Deactivation/activation in progress</td>
</tr>
<tr>
<td>Permanently lit</td>
<td>Installation fault/failure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall protection</th>
<th>Diagnostics</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fall protection is not connected or there is no bridge on the connector if fall protection is connected to the shared motor terminal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fall protection triggered</td>
<td></td>
</tr>
<tr>
<td>Consequences</td>
<td>No movement possible</td>
<td></td>
</tr>
<tr>
<td>Actions</td>
<td>Check the fall protection wiring (see section 3.2)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Motor</th>
<th>Diagnostics</th>
<th>Meaning</th>
<th>Consequences</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Incorrectly wired motor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No movement possible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Check the motor wiring (see section 3.2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Activated motor thermal protection</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No movement possible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wait around 10 minutes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Faulty motor or fuse blown</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No movement possible and integrated lighting off</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Check the condition of the fuse and replace it if necessary (spare fuse supplied, see section 2.2, point 13).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>If the motor still does not work, replace it.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Waiting for motor adjustment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Set the motor end limits (see section 3.4).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optical wired safety edge failure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opening ok</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closing by pressing and holding down the button within sight of the door</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Check the type of safety edge connected (optical wired safety edge, dipswitch no.4 set to OFF); if the connected wired safety edge is resistive, move dipswitch no.4 to ON.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Check the safety edge wiring (see section 8.3).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Check that no radio safety edge transmitter is stored in the receiver. If a radio safety edge transmitter is stored in the receiver, clear it (see section 13).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Diagnostics Wired resistive safety edge failure

**Consequences**
- Check the type of safety edge connected (wired resistive safety edge, dipswitch no.4 set to ON); if the connected wired safety edge is optical, move dipswitch no.4 to OFF.
- Check the safety edge wiring (see section 8.3).
- Check that no radio safety edge transmitter is stored in the receiver. If a radio safety edge transmitter is stored in the receiver, clear it (see section 13).

**Actions**
- Check the type of safety edge connected (wired resistive safety edge, dipswitch no.4 set to ON); if the connected wired safety edge is optical, move dipswitch no.4 to OFF.
- Check the safety edge wiring (see section 8.3).
- Check that no radio safety edge transmitter is stored in the receiver. If a radio safety edge transmitter is stored in the receiver, clear it (see section 13).

### Diagnostics Radio safety edge failure

**Consequences**
- Opening ok
- Closing by pressing and holding down the button within sight of the door

**Actions**
- Request movement again and if the problem persists:
  - See radio safety edge transmitters for diagnostics (see sections 15.2, 15.3 and 15.4).
  - Repeat the safety edge transmitter programming procedure on the receiver (see section 11).

### Diagnostics Radio interference on the safety edge transmitter

**Consequences**
- Opening and stopping ok
- Closing by pressing and holding down the button within sight of the door

**Actions**
- If no cells are installed, check that the connector (terminals 18 and 19) is bridged.
- If cells are installed:
  - Check that no obstacle is cutting across the cell beam
  - Check the position of dipswitch no.2 according to the type of cell (see section 8.2).
  - Check the cell wiring (see section 8.3).

### Diagnostics Upper magnet absent if ESE edge transmitter installed

**Consequences**
- Opening ok
- Closing by pressing and holding down the button within sight of the door

**Actions**
- Check that no obstacle is causing the safety edge to detect.
- If the floor is being detected, check that there is a magnet fitted at the down point and install one if necessary or rectify the ground to make it smooth and even.

### Overview

#### Radio safety edge

**Consequences**
- Opening ok
- Closing by pressing and holding down the button within sight of the door

**Actions**
- Check that no obstacle is cutting across the cell beam.
- If a powerful radio system is present on the site (infrared detector, TV transmitter, etc.) and is transmitting on the same frequency, the receiver will wait for the transmission to end before controlling the door again.

#### Photoelectric cells

**Consequences**
- Opening ok
- Closing by pressing and holding down the button within sight of the door

**Actions**
- If no cells are installed, check that the connector (terminals 18 and 19) is bridged.
- If cells are installed:
  - Check that no obstacle is cutting across the cell beam
  - Check the position of dipswitch no.2 according to the type of cell (see section 8.2).
  - Check the cell wiring (see section 8.3).

### 15.2 XSE transmitter

#### Problem on XSE transmitter

**LED1 and LED2:**
- If LED1 and LED2 light up red for 5 seconds, replace the battery and repeat the operations above.
- If LED1 and LED2 light up green for 5 seconds, skip to step 2.

**Stage 1: CHECK THE BATTERY**

Remove the battery then press a button (PROG or MODE) to discharge the residual energy from the electronics. Refit the battery and wait for the automatic battery test to be completed (an orange light flashes to signal the test is under way - it may last up to 2 minutes).
- If LED1 and LED2 light up red for 5 seconds, replace the battery and repeat the operations above.
- If LED1 and LED2 light up green for 5 seconds, skip to step 2.

**Stage 2: CHECK THE OPERATION OF THE SAFETY EDGE**

Press and hold the MODE button for 3 seconds to launch safety edge detection.
- If LED2 lights up green then the safety edge and transmitter are operating correctly. Squeeze the safety edge and check that LED2 lights up red.
- If not, go to step 3.
Stage 3: Determine the Origin of the Fault: XSE Transmitter or Safety Edge?
Disconnect the safety edge.

Test 1: Press and hold the MODE button for 3 seconds to launch safety edge detection.
- If LED2 flashes red for 8 seconds then the XSE transmitter is operating correctly.
- If not, the XSE transmitter is faulty.

Test 2 (optional): Press and hold the MODE button for 3 seconds to launch safety edge detection by short-circuiting the 2 contacts on the ESE J3 connector (using a flat-blade screwdriver).
- If LED2 lights up red for 8 seconds then the XSE transmitter is operating correctly.
- If not, the XSE transmitter is faulty.

If tests 1 and 2 show that the transmitter is operating correctly, replace the safety edge.

> Problem waking up the transmitter at the Up point
Important: For each test, wait until LED2 goes off to test that the transmitter wakes up.

Test 1: Check that the XSE transmitter is working by tapping it and check that LED2 lights up green. If not, press and hold the PROG button for 3 seconds and retest. If the problem persists, replace the XSE transmitter.

Test 2: Open the door fully, check that a base magnet is fitted and/or that dipswitch 3 is ON, then retest.

Test 3: If the problem persists, fit an upper magnet and set dipswitch 4 on the XSE transmitter to ON then retest. If the problem persists, replace the XSE transmitter.

15.3 ESE Transmitter
Press the button on the inside of the transmitter once. The transmitter indicator light will come on.
If the indicator light flashes:

- 6 times → the safety edge is faulty (short-circuit).
- 8 times → the safety edge has not been correctly lengthened (open circuit).

15.4 OSE Transmitter
Press the PROG SW4 button on the safety edge transmitter. Press it down until the indicator light goes out (the indicator light is permanently lit while the button is pressed).
The transmitter indicator light will illuminate:
- First green to provide information on the assembly configuration
- Red to indicate any faults.

Green OSE Transmitter Light

<table>
<thead>
<tr>
<th>Status</th>
<th>Diagnostics</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 green flash</td>
<td>Operation without magnet (default)</td>
<td>Check that there are no magnets installed on the door runner.</td>
</tr>
<tr>
<td>2 green flashes</td>
<td>Operation with base magnet only</td>
<td>Check that magnet(s) are fitted on the door runner.</td>
</tr>
<tr>
<td>3 green flashes</td>
<td>Operation with upper magnet only</td>
<td>Check that the safety edge transmitter and the magnet(s) are installed on the right-hand side of the door. Perform the installation with magnet procedure again.</td>
</tr>
<tr>
<td>4 green flashes</td>
<td>Operation with upper and base magnets</td>
<td></td>
</tr>
</tbody>
</table>

16 - Technical Specifications

**General Specifications**

- Power supply: 230 V - 50-60 Hz
- Electrical insulation: Category 1
- Maximum motor output: 230 V - 1250 W
- Safety fuse for motor and integrated lighting: 5 AT - 250 V - spare fuse supplied
- Climatic operating conditions: -20°C/+ 60°C - IP 20
- Somfy radio frequency: 433.42 MHz
- Number of storable remote controls: 32

**Connections**

- Mains power supply cable: 2 m - IEC sheet (phase-neutral-earth)
- Integrated courtesy lighting: E14 - 15W max. - 230V
- Safety inputs: 3 inputs for:
  - Wired safety edge: optical, resistive
  - Fall protection device
  - Photoelectric cells
- Self-test output for safety devices: For cells
- Wired control input: NO dry contact - sequential operation
- Orange light: 24V - 4W max.
- Alarm siren output: Yes

**Operation**

- Control buttons: Up-Stop-Down buttons in the control panel
- Automatic closing mode: Yes
- Maintenance assistance: Real time status with 5 indicator lights