

Video door phone - V400 RTS

EN Installation instructions

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IMPORTANT INFORMATION - SAFETY

General information

Read this installation guide and the safety instructions carefully before installing this Somfy product. All the instructions given must be followed closely and this guide must be stored in a safe place throughout the service life of your product.

Before installation, check that this Somfy product is compatible with the associated equipment and accessories.

This guide describes the installation of this product.

Any installation or use outside the sphere of application specified by Somfy is forbidden. This invalidates the warranty and discharges Somfy of all liability, as does any failure to comply with the instructions given herein.

Somfy cannot be held responsible for any changes in standards which come into effect after the publication of this guide.

Somfy hereby declares that this product conforms to the essential requirements and other relevant provisions of Directive 1999/5/CE. A Declaration of Conformity is available at www.somfy.com/ce (7" video doorphone).

Images are not contractually binding.

General safety advice

Do not let children play with the control point.

Never immerse the control point in liquid.

This product is not designed to be used by persons (including children) whose physical, sensory or mental capacity is impaired, or persons with little experience or knowledge, unless they are under supervision or have received instructions on using this product by a person responsible for their safety.

Conditions for use

The radio range is limited by the radio appliance control standards.

The radio range is heavily dependent on the environment in which it is used: interference may be caused by having large-scale electrical equipment near the installation and by the type of material used in the walls and partitions.

The use of a radio appliances (e.g. a set of Hi-Fi radio headphones) operating on the same radio frequency might be detrimental to the product's performance.

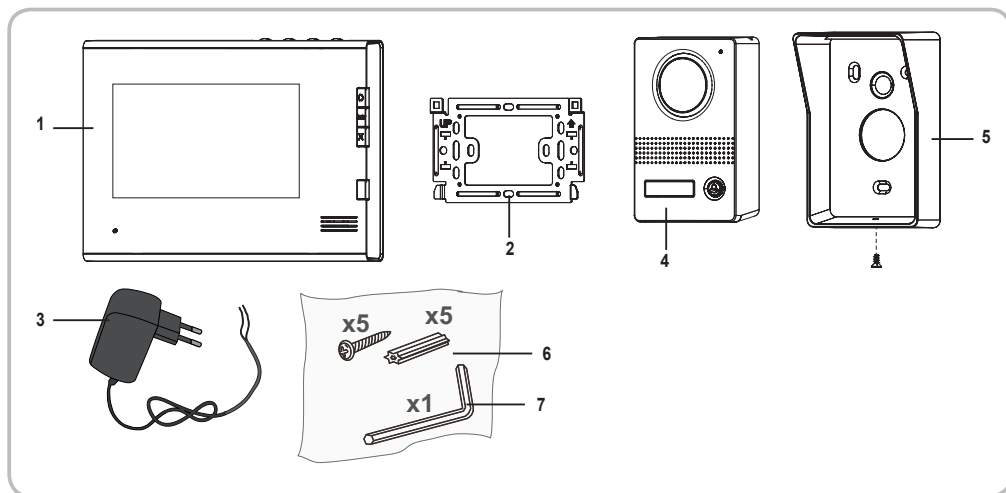
Recycling



Do not dispose of this product or its flat battery with the household waste. Please take them to a collection point or an approved centre to ensure they are recycled correctly..

PRODUCT DESCRIPTION

Composition of the kit



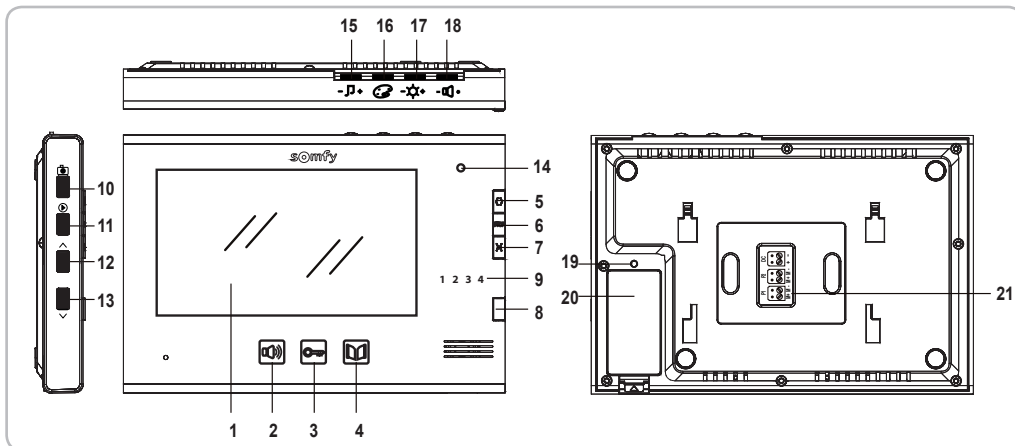
No.	Description	Quantity
1	Indoor monitor	1
2	Monitor mounting bracket	1
3	Monitor power plug	1
4	Door station	1
5	Rain shield	1
6	Screws + plugs for mounting the monitor and door station	5 + 5
7	Torx key	1

Product description

The video entry phone comprises an indoor monitor and a door station. The indoor monitor is connected to the door station using 2 wires. The door station can then be connected to a gate motorisation or to an electric door-opener/lock, 12 V AC or DC - 800A max. This allows the video entry phone to be used to control a small or large gate.

The indoor monitor is also fitted with an RTS (Radio Technology Somfy) radio transmitter. This wireless control is used to operate a garage door, lighting, roller shutters or even a Somfy gate.

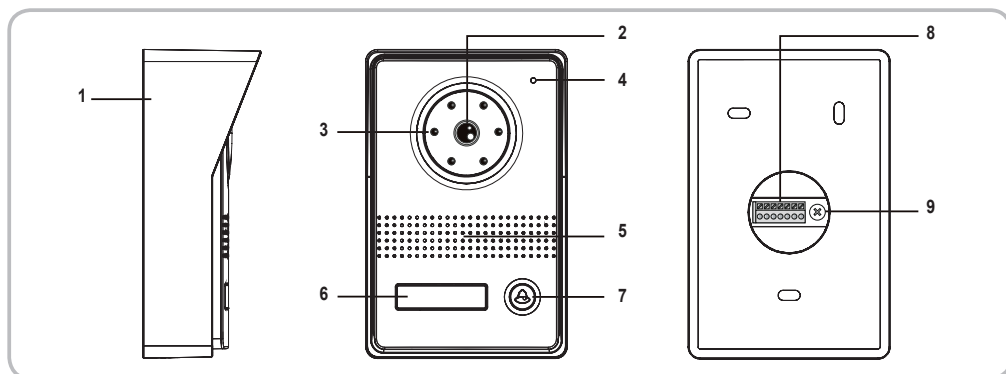
► Monitor



No.	Designation	Description
Wired controls	1	Screen Used to view the visitor.
	2	Microphone activation button Activates the microphone on the monitor to speak to a visitor. Enables the monitor bell to be selected.
	3	Electric door-opener/lock button Controls the electric door-opener/lock.
	4	Gate button Controls the motorised gate.
Wireless controls	5	Open/On button Control for opening the gate, roller shutter or garage door or for switching lighting on.
	6	STOP Button Stops the movement of the gate, roller shutter or garage door.
	7	Closed/Off button Control for closing the gate, roller shutter, garage door or for switching lighting off.
	8	Channel selection button Enables the radio channel controlling a product or a group of products to be selected: garage door, roller shutter, lighting, gate or product associated with the 5th channel (see page 9 for more information on the channels).
	9	Channel indicator lights Each indicator light represents one channel.
	10	Photo button Enables a photo to be taken.
	11	Read button Used to switch to individual or multiple photo read mode.
	12	Navigation button Enables the previous photo to be viewed.
	13	Navigation button Enables the next photo to be viewed.
	14	Microphone activation indicator light This informs the user that the microphone on the monitor is on to enable communication with the visitor.
	15	Bell volume dial This is used to adjust the volume of the monitor bell.
	16	Screen colours dial This is used to adjust the screen colours on the monitor.
	17	Screen brightness dial This is used to adjust the screen brightness on the monitor.
	18	Speaker volume dial This is used to adjust the volume of the speaker on the monitor.
	19	PROG button This is used to program the monitor to wirelessly control RTS (Radio Technology Somfy) equipment.
	20	Battery housing Housing for CR2430-type battery (<i>battery included</i>) on the radio transmitter.
	21	Terminal block This is used to connect the monitor to the door station and the power supply.

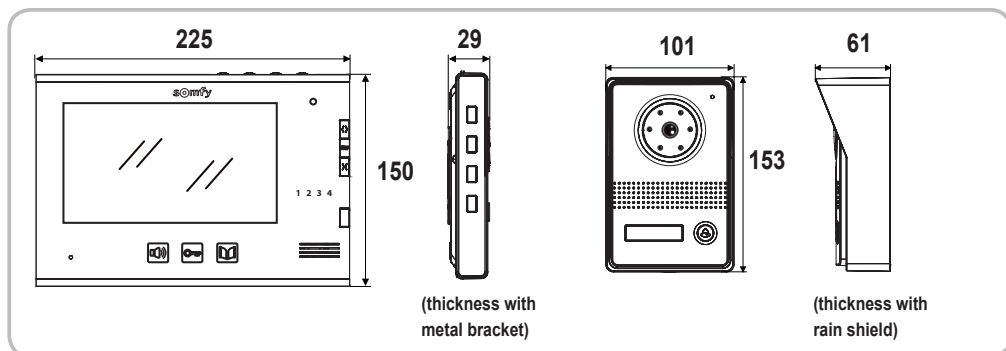
► Door station

EN



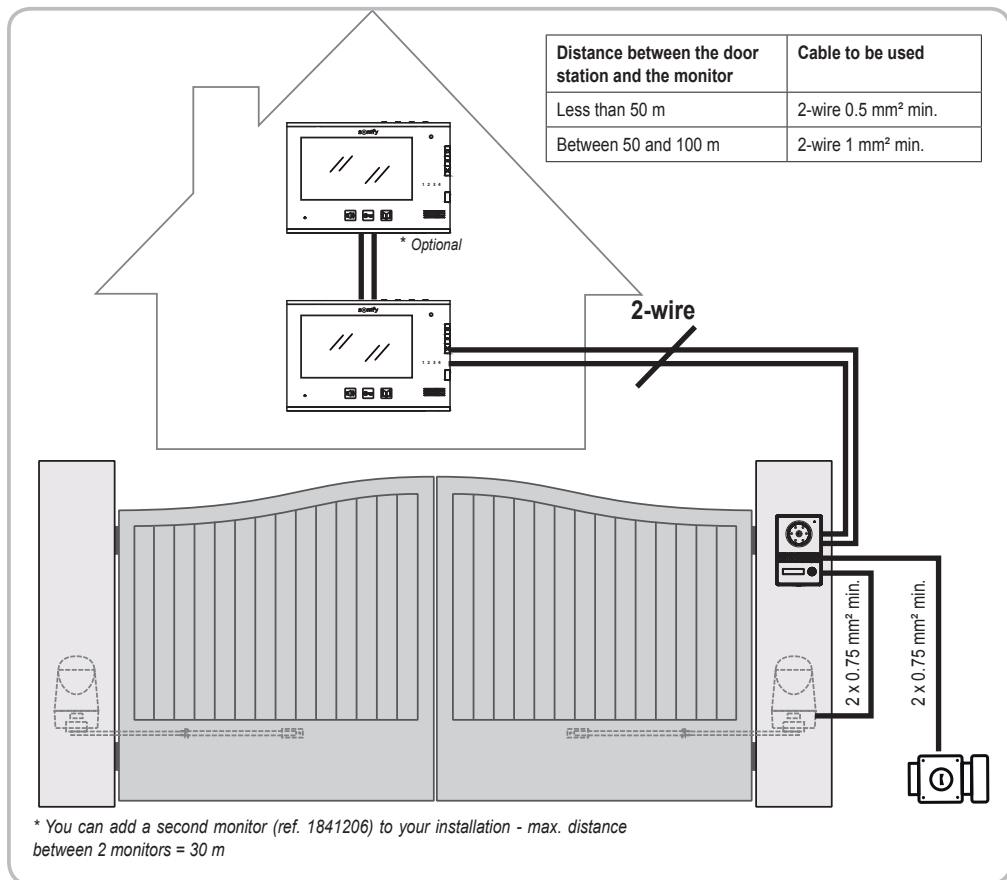
No.	Designation	Description
1	Rain shield	Protects the camera from the rain.
2	Camera	Films the visitor and send the image to the monitor.
3	Led lighting	Provides enhanced night vision.
4	Microphone	This enables the visitor to speak to the person indoors.
5	Speaker	This enables the visitor to hear the person indoors.
6	Backlit name-tag label	Indicates your name on a label.
7	Backlit call button	Visitors can use this button to ring the bell on the monitor. The camera and the monitor screen are switched on.
8	Terminal block	Used to connect the monitor station to a gate motorisation or an electric door-opener/lock.
9	Speaker volume adjustment button	This is used to adjust the volume of the door station speaker.

Dimensions (mm)



Standard installation

Important: The maximum distance between the monitor and the door station is 100 m.



Note: We recommend that, if possible, the video entry phone cables should not be routed through the same sheath as the electric cables. The cables are not supplied.

INSTALLING THE MONITOR

- [1]. Fix the monitor mounting plate to the wall.

Important: Ensure the direction of fitting is correct by positioning the arrow upwards ("UP" facing upwards) as indicated on the illustration.

- [2]. Remove the DC connector from the rear of the monitor and connect the cable from the power plug to this connector: black wire with white lines on the left (+) and black wire on the right (-).

- [3]. Connect the power plug connector to the DC input at the rear of the monitor in the direction indicated in the illustration (screws to the right); the direction in which the wires are connected to the power plug is important.

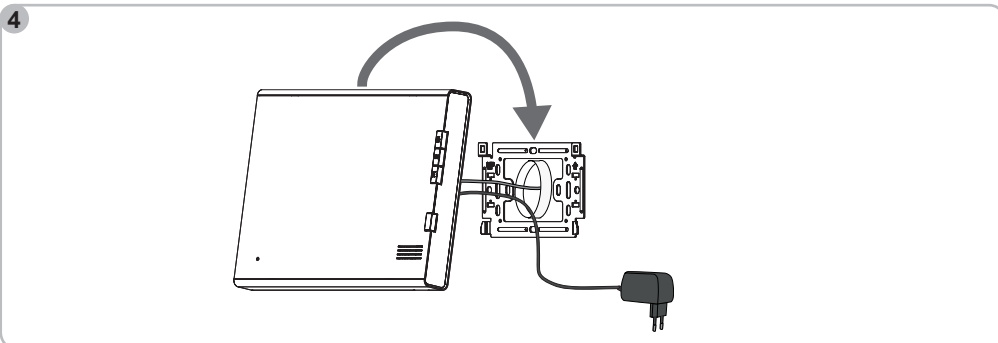
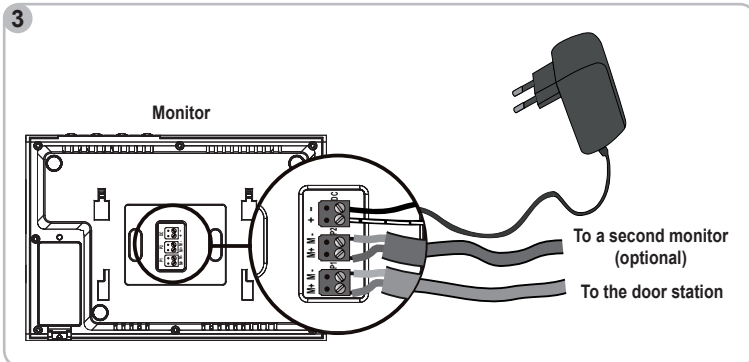
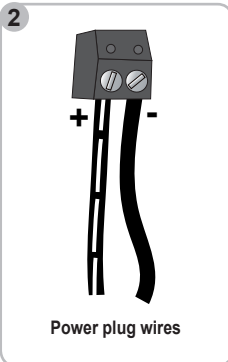
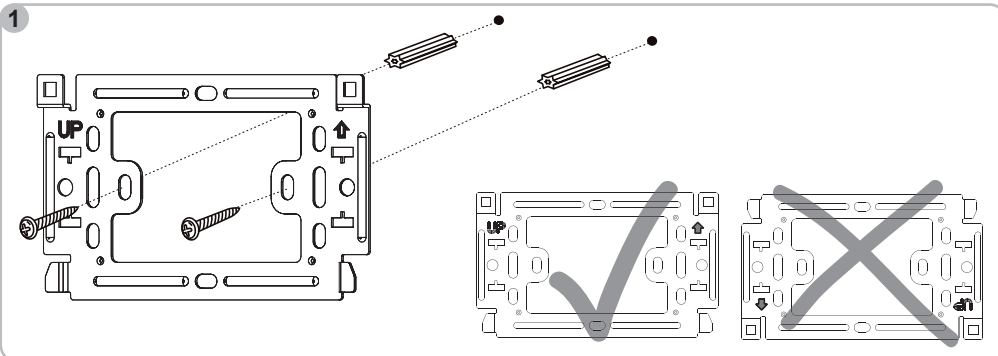
Important: It is essential to use the power plug provided to supply the monitor.

Prepare the monitor for connection to the door station by connecting a 2-wire cable to connector P1 at the rear of the monitor.

If you wish to install a second monitor, prepare the connection for this monitor by connecting 2 wires to the P2 connector at the rear of the monitor, then refer to the guide for the second monitor for additional information on its wiring.

- [4]. Clip the monitor onto its mounting bracket by first positioning the top of the monitor on the station, then the bottom.

Note: Position the power plug wires between the mounting bracket and the monitor.



INSTALLING THE DOOR STATION AND ADJUSTING THE CAMERA'S VIEWING ANGLE

Avoid installing the camera facing a light source; images of visitors may be impaired.

We recommend that silicon sealant is applied between the rain shield and the wall/pillar (but not below the rain shield) and that the door station is fitted at a height of approximately 1.60 m.

[1]. Feed all the cables (monitor, gate and electric door-opener/lock) into the rain shield.

[2]. Fix the rain shield to the wall/pillar.

[3]. Connect:

- the monitor cable to the first 2 terminals on the door station:

M+ of the monitor to M+ of the door station

M- of the monitor to M- of the door station

- the motorisation cable to the dry contact output (COM and NO) of the door station

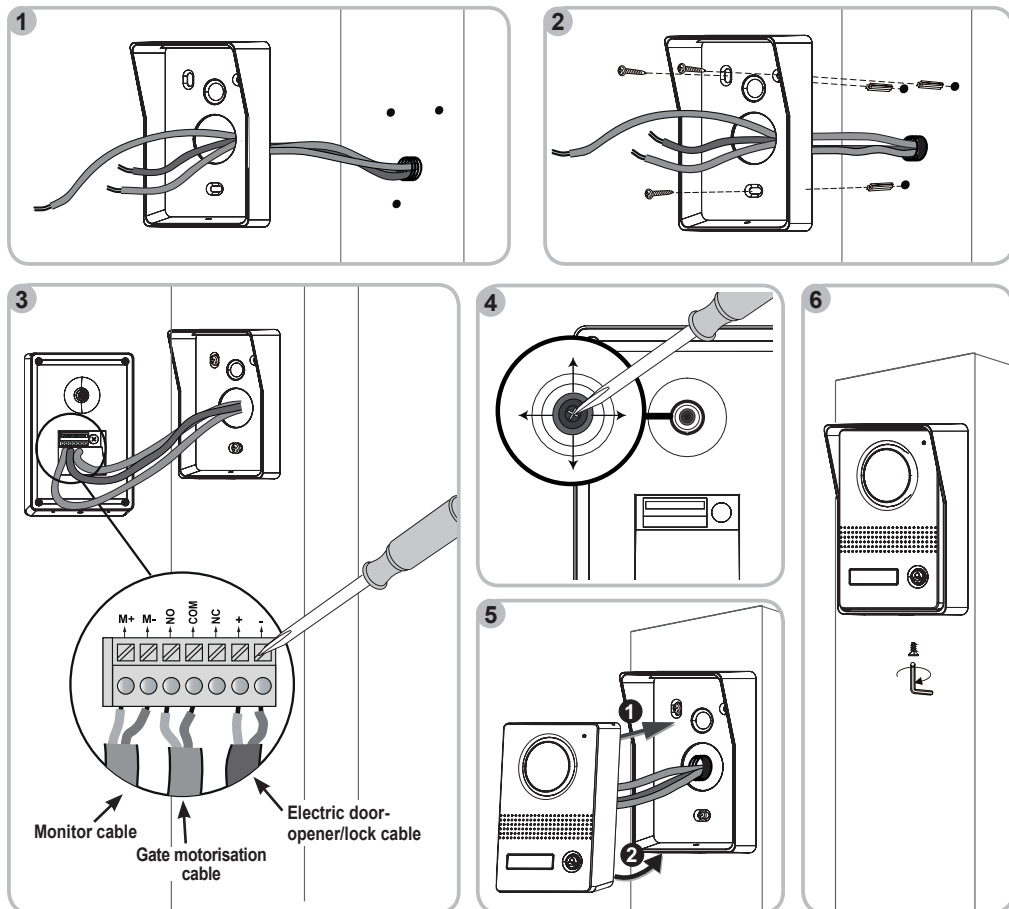
- the electric door-opener/lock cable to terminals + and - of the door station.

Note: To feed the cables into the terminals, use a screwdriver to press on the square with the notch, feed the wires in, then release.

[4]. If you wish to change the camera's viewing angle, unscrew the screw at the rear of the door station slightly, move the camera to the desired position, then retighten the screw while holding it in the chosen position.

[5]. Install the door station in the rain shield by first positioning the top and then the bottom of the station.

[6]. Screw the door station to the rain shield using the torx key.

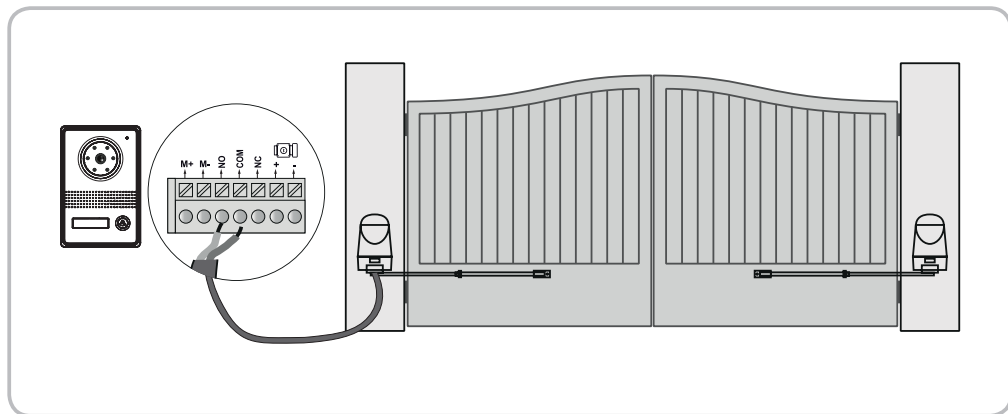


Connecting the door station

► To a gate motorisation

Note: When the motorisation is solar-powered, the wired controls are deactivated. In this case, you must use the monitor's wireless control to control your gate motorisation (see page 9).

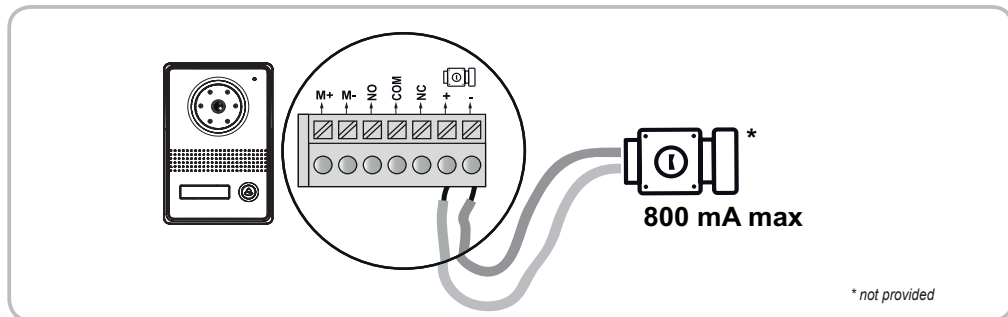
Connect the dry contact output (COM and NO) of the door station to the motorisation electronics dry contact input.



To connect the door station to another brand of gate motorisation, please refer to the installation guide for that motorisation.

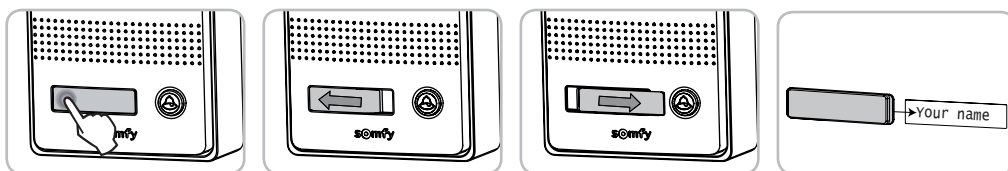
► To an electric door-opener/lock

Connect the door station output [COM] on the door station to the door-opener/lock in accordance with the diagram below.



Fitting the name-tag

- [1]. Press and push the left-hand side of the label.
- [2]. Using a screwdriver, lift and remove the name-tag label protector.
- [3]. Write your name on the white label using a permanent marker, then replace the label and its protector in their housing.



Switching the installation on

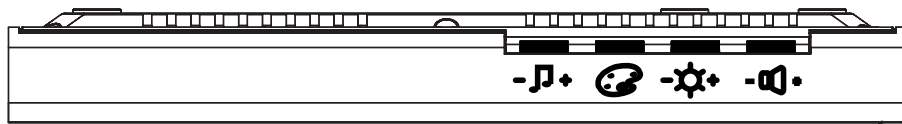
Once installation is complete, reconnect the gate motorisation to the power supply.

Next connect the monitor power plug to an electrical socket.

Important: The power plug must be installed close to the monitor and must be easily accessible.

VIDEO ENTRY PHONE SETTINGS

Monitor



	Bell volume dial	This is used to adjust the volume of the monitor bell.
	Screen colours dial	This is used to adjust the screen colours on the monitor.
	Screen brightness dial	This is used to adjust the screen brightness on the monitor.
	Speaker volume dial	This is used to adjust the volume of the monitor.

► Changing the monitor bell

There is a choice of two bells for the monitor.

To change the monitor bell, press and hold down the microphone activation button for approximately 7 seconds. The new monitor bell sounds twice.

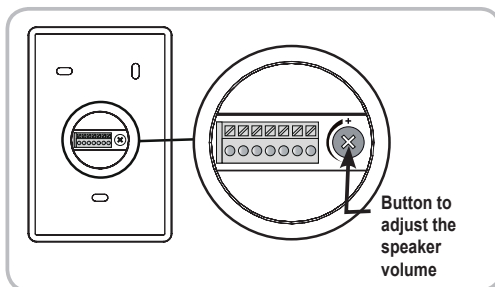
To change the bell again, carry out the above operation again.

Door station

► Adjusting the speaker volume

To adjust the door station speaker volume, use a screwdriver to turn the button on the back of the door station:

- clockwise to increase the volume,
- anti-clockwise to reduce the volume.



CONTROLLING SOMFY RTS WIRELESS EQUIPMENT

Programming the monitor on a Somfy RTS unit

The monitor is equipped with a Somfy Radio Technology (RTS) transmitter. It is only compatible with devices equipped with Somfy Radio Technology (RTS).

It is used to control the following Somfy equipment, individually or simultaneously:

- garage door motorisation,
- lighting receiver,
- roller blind motorisation,
- gate motorisation.

This functionality is possible thanks to a channel system, identified by indicator lights.

Each channel corresponds to an individual remote control and can be used to control one or more devices. There is no limit to the number of devices that can be controlled by a single channel. The channel selection button (no. 8, page 3) is used to navigate between channels.

Channel 1: 1 2 3 4

Channel 2: 1 2 3 4

Channel 3: 1 2 3 4

Channel 4: 1 2 3 4

Channel 5: 1 2 3 4

Selecting the chosen channel to wirelessly control a piece of equipment

Press the channel selection button the indicator light for the selected channel will flash.

Press the channel selection button as many times as necessary until the indicator lights show the required channel.

Note: All the indicator lights comes on to indicate the 5th channel.

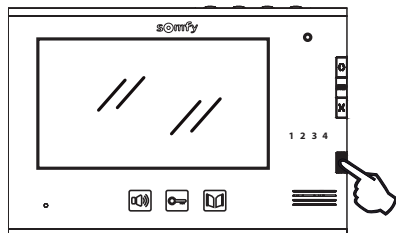
Important: Check that the equipment to be controlled wirelessly is not too far away from the monitor.

► Programming a Somfy Dexxo RTS garage door motor

Note: The monitor can be disconnected from the power supply to carry out this operation.

- [1]. Remove the integrated light cover or the motor head flap.
- [2]. Check that the motor is powered on.
- [3]. Select the first channel by pressing the channel selection button on the monitor.
- [4]. Press the motor PROG button for 2 seconds (button B on a Dexxo Compact RTS).
The motor's integrated light comes on.
- [5]. Briefly press the monitor opening button.
The motor's integrated light flashes for 5 seconds.

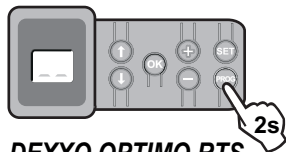
3



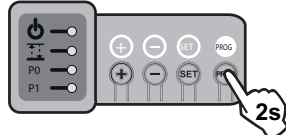
1 2 3 4

4

DEXXO PRO RTS



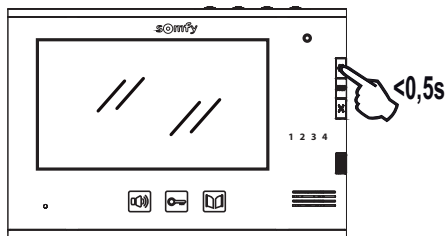
DEXXO OPTIMO RTS



DEXXO COMPACT RTS



5



Note: To clear the programming on the video entry phone on a Somfy garage door motorisation, repeat all the steps detailed above.

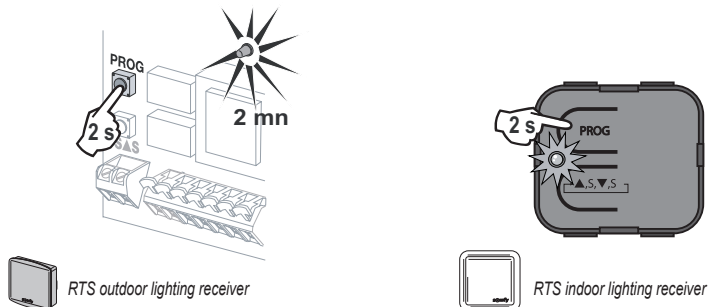
► Programming a Somfy RTS lighting receiver

Caution: The receiver uses a 230V power supply. For your safety, ensure that you do not touch the terminal or the bare wires.

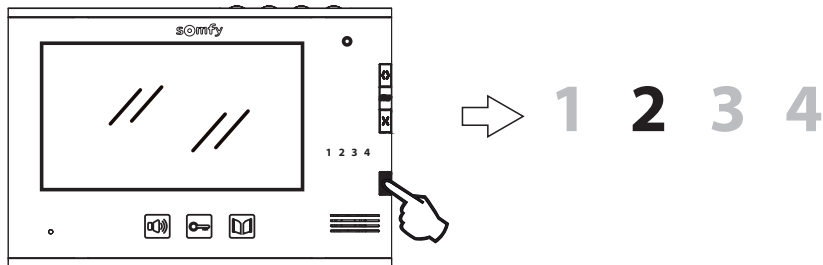
Note: The monitor can be disconnected from the power supply to carry out this operation.

- [1]. Open the lighting receiver.
- [2]. Check that the receiver is powered on.
- [3]. Press the PROG button on the receiver until the indicator light on the receiver comes on. The programming function is activated for 2 minutes.
- [4]. Select a free channel by pressing the channel selection button on the monitor.
- [5]. Use a fine-tipped object to briefly press the PROG button at the back of the monitor (above the battery housing, no. 19, page 3). The indicator light on the receiver flashes for 5 seconds.

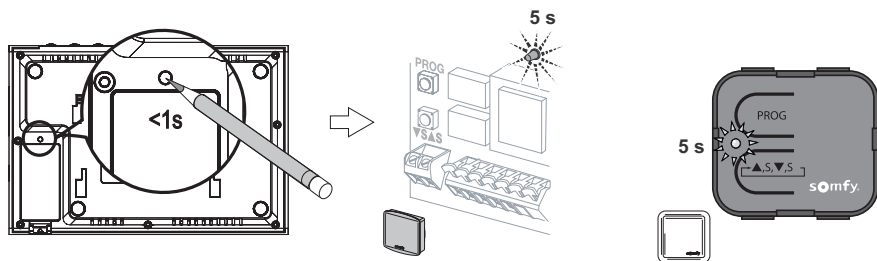
3



4



5



Note: To clear the video entry phone programming on a Somfy lighting receiver, repeat all the steps detailed above.

► Programming a Somfy RTS radio roller shutter motorisation

Note: The monitor can be disconnected from the power supply to carry out this operation.

[1]. Identify the original control of the roller shutter, i.e. the remote control or the control point which only controls this roller shutter.

Note: - If the original control is lost or broken, and it is the only one to control the roller shutter, contact one of our Somfy advisors.

- If another control operates the roller shutter, use that to follow the steps below.

[2]. Partially open the roller shutter using the original control.

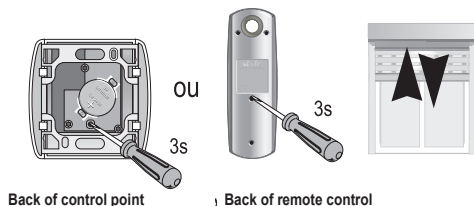
[3]. Press the PROG button on the original control until the roller shutter makes an up and down movement (or a series of 3 beeps). The programming function is activated for 2 minutes.

[4]. Select a free channel by pressing the channel selection button on the monitor.

[5]. Use a fine-tipped object to briefly press the PROG button at the back of the monitor (above the battery housing, no. 19, page 3). The roller shutter will make an up and down movement (or a series of 8 beeps).

3

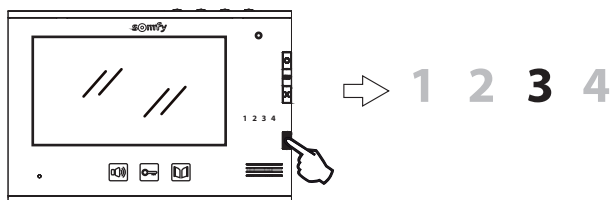
Original RTS transmitter



Back of control point

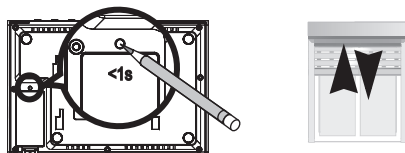
Back of remote control

4



5

Monitor



Note: To clear the programming on the video entry phone on a Somfy roller shutter motorisation, repeat all the steps detailed above.

► Programming a Somfy RTS gate motorisation

Note: The monitor can be disconnected from the power supply to carry out this operation.

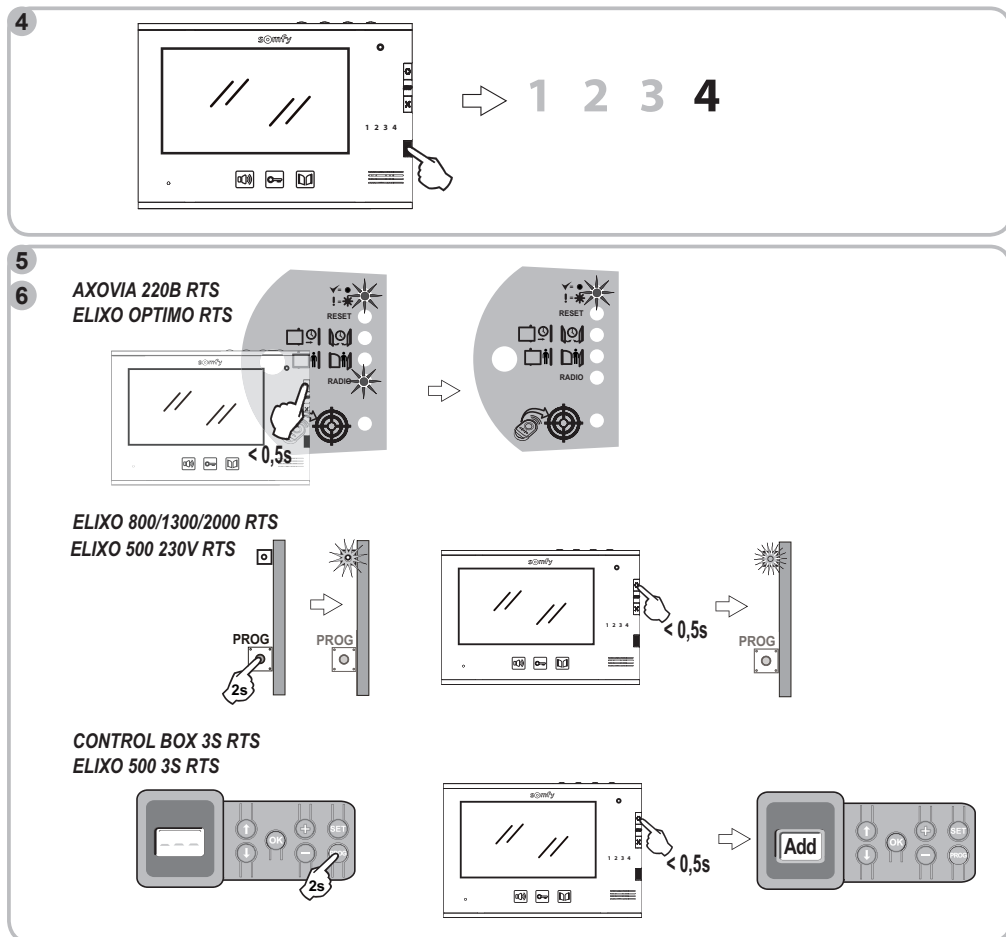
- [1]. Access the motorisation electronics.
- [2]. Check that the motor is powered on.
- [3]. Remove the monitor from its mounting bracket.
Select a free channel by pressing the channel selection button on the monitor.
- [4]. On an Axovia 220B or an Elixo Optimo: place the monitor on the target on the motor electronic unit.

Important: The right-hand section of the monitor must be placed on the electronic unit target so that the monitor can be correctly detected by the motor electronics.

On an Elixo 800/1300/2000, an Elixo 500 230V RTS, an Elixo 500 3S RTS or a Control Box 3S RTS, press the PROG button for 2 seconds.

- [5]. Briefly press the monitor opening button.

Note: To program the monitor on a motorisation other than those described above, refer to the guide for this motorisation.



Note: To clear the video entry phone programming on a Somfy gate motorisation, see the motorisation guide.

TECHNICAL DATA

Monitor		
Power supply		100-240 VAC/ 50-60 Hz; 17 VDC
Screen		Colour - TFT 7" - resolution: 480 x 234 pixels
Max. communication time		2 minutes
Operating temperature		-10°C to +55°C
Radio transmitter	Frequency	433.42 MHz
	Power supply	3 V type CR2430
	Range	200 m (in open space)
Door station		
Power supply		14.5 V DC
Camera		1/3 CCD 72°
Night vision		0.05 LUX visible LEDs
Operating temperature		-20°C to +55°C

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