

HOME MOTION by **somfy**®



Set&Go io - Help

A guide for successful io-homecontrol® installations

Ref. : 5110303A000 - 10/2012

Somfy SAS, capital 20.000.000 Euros, RCS Annecy 303.970.230

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Somfy products present in this guide must be installed by a home motorisation and automation professional for whom this guide is intended. Moreover, installers must comply with the standards and legislation in force in the country where the products are installed, and inform their customers of the operating and maintenance conditions for the products.



io-homecontrol® provides advanced and secure radio technology that is easy to install. io-homecontrol® labelled products communicate with each other, improving comfort, security and energy savings.

www.io-homecontrol.com

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? To **search** by key word, use the **Acrobat Search function**.

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io-homecontrol® technology

What is io-homecontrol®?

io-homecontrol® is a wireless communication protocol shared by leading manufacturers in the world of building control.

Wireless

Products compatible with the io-homecontrol® protocol can be installed easily without any control bus or wiring. Its flexibility and modular design mean that changes can be made to an installation at any time.

The information travels between the products

io-homecontrol® products use two-way technology. The controls, motors and sensors can talk to each other and exchange information. One of the things made possible by the protocol is feedback.

Reliable transmission

The radio commands are transmitted using three different radio frequencies. This feature prevents any interference in transmission. Furthermore, the command can be repeated up to eight times if necessary.

Secure, encrypted dialogue

Each transmission is encrypted using a unique 128-bit key that is different for each installation. This unique feature prevents anyone from hacking into the system.

Open, scalable technology

io-homecontrol® technology is shared by leading manufacturers of building control equipment. This guarantees lasting system interoperability with numerous products.

Compliance with standards

io-homecontrol® complies with current European regulations, namely EN300-220.

For more information about io-homecontrol® technology, visit the web site at **www.io-homecontrol.com**.

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Individual controls WITHOUT feedback function



Controls using technology without feedback can be used for line of sight control of the products in one room.

These products can be identified by the following symbols:  

General or zone controls WITH feedback function



Controls using feedback technology can be used to control all of the products in the home. Users receive constant information about whether or not a command has been executed correctly, and about any problems encountered.

These products can be identified by the following symbols:  

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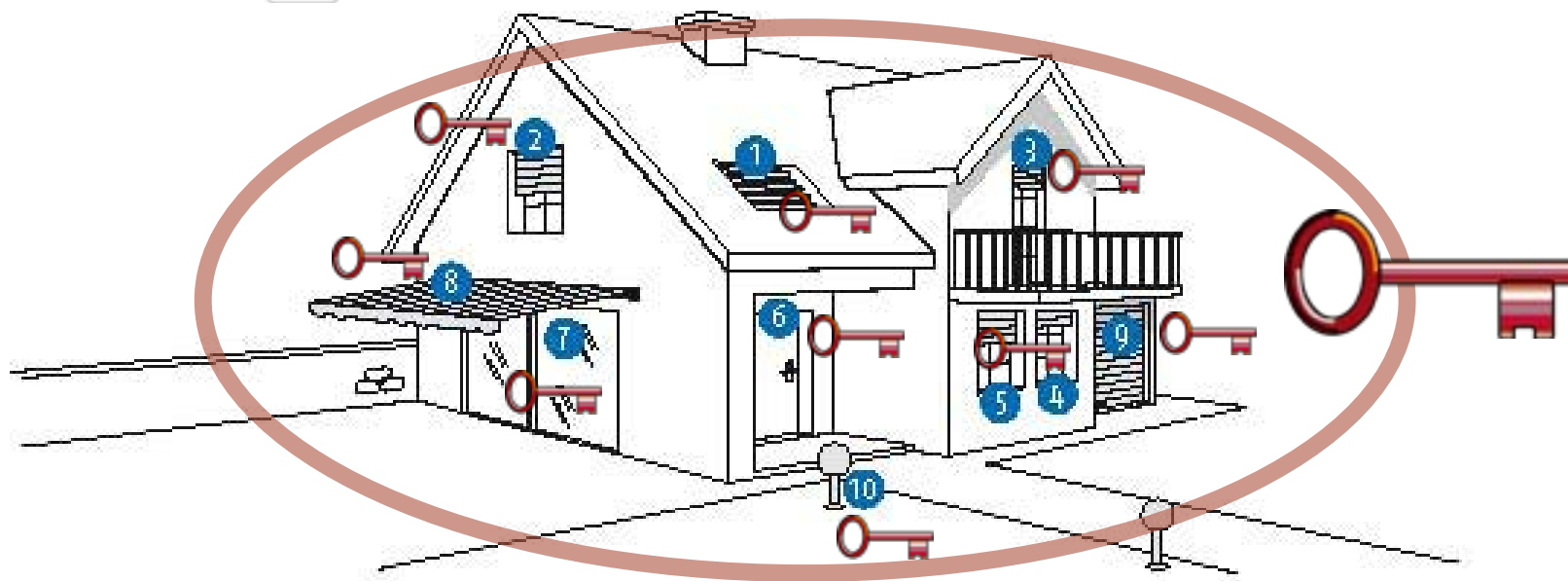
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The system key



The system key is a unique, tamper-proof code. It ensures that the house is safe and that the products are interoperable.

The key is generated by controls with feedback function only.

The system key is automatically transferred to the installation when a control with feedback function is installed in the house.

When an additional control with feedback function is assigned, the key must be harmonised between the control already assigned to the products and the new control. This step is obligatory in order to ensure that the system is coherent.

If a system control is lost or stolen, the system key can be changed at any time.

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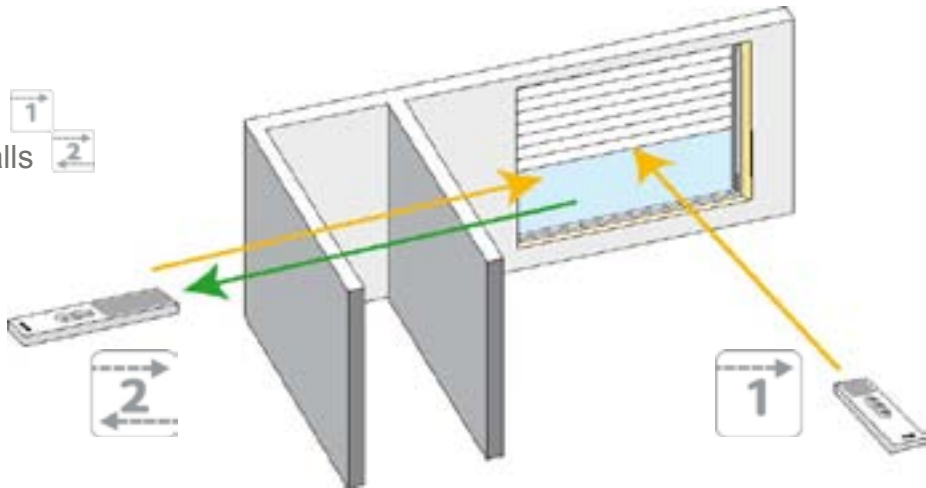
io controls

io-homecontrol® technology

io-homecontrol® technology uses the 868 MHz frequency range.

The range of the controls is as follows:

- Control without feedback function: 15 m line of sight
- Control with feedback function: 20 m through two walls



This table shows the estimated absorption of a variety of materials:

Material	Thickness	Absorption
Wood	> 30 cm	10%
Plaster	> 10 cm	10%
Glazing	> 5 cm	10%
Concrete	> 30 cm	20%
Reinforced concrete	> 30 cm	30 - 90%
Paving	> 30 cm	30%
Stone	> 30 cm	30%
Wire mesh	> 1 mm	90%
Metal	> 1 mm	100%

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The Autoscan function, accessible from controls with feedback function



The Autoscan function is accessible using controls with feedback function. Among other things, this procedure makes it possible to isolate one motor out of several motors that may be connected simultaneously. Once the motor has been isolated, settings can be made, the motor can be returned to its factory settings, a new control can be programmed, etc.

Autoscan is broken down into two sub-functions:

Internal autoscan

This function can be used to adjust settings such as end limits and direction of rotation, and to add or remove a control.

To enter this mode:



3 s

On a control with a screen, after a few moments the list of products stored in the control will be displayed. See the section covering each type of control for further information.

A product can be selected by moving up and down the list using the "up" and "down" keys and validating the selection by pressing MY until the product moves briefly **or** OK appears on controls with feedback function.



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External autoscan

External autoscan can be used when the motors are in factory mode (no settings have been made). In this case, this function can be used to select the motors one by one and make settings for them when they are all connected.

External autoscan can also be used after a double cutout. In this case, this function can be used to detect all of the io motors within radio range of the control. It is then possible to programme the motors, restore their factory settings, etc.

To enter external autoscan mode:



On a control with a screen, after a few moments the list of products detected will be displayed.

A product can be selected by moving up and down the list using the "up" and "down" keys and validating the selection by pressing MY until the product moves briefly **or** OK appears on controls with feedback function.



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The Set&Go io

Set&Go io Installer Manual



CAUTION: Do not use the Set&Go io at the same time as another installation tool (Set&Go io, Telis Composio io, etc.)



Set&Go io

FR

Notice installateur

DE

Installationsanleitung

IT

Manuale d'installazione

NL

Installatiehandleiding

EN

Installer Manual

ES

Manual del instalador

PT

Manual do Técnico de Instalação

EL

Εγχειρίδιο εγκατάστασης

DA

Installatørvejledning

FI

Asentajan opas

SV

Anvisningar för installatörer

NO

Installasjonshåndbok

PL

Instrukcja montażu

HU

Telepítési kézikönyv

CS

Příručka pro instalaci

RU

Руководство по установке

Ref. 5104414A



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ENGLISH

Somfy hereby declares that this product conforms to the essential requirements and other relevant provisions of Directive 1999/5/EC. A declaration of conformity can be found at the Internet address www.somfy.com/ce. Non contractual images.

 Caution!

 Note

Set&Go io

1. INTRODUCTION



Set&Go io is an io-homecontrol® installation tool that can be used to set Somfy motors and associate control points with io-homecontrol® motors and receivers. It is also used to manage the installation's security key. This tool is made up of two components: an io-homecontrol® USB unit and a PC application.

2. SAFETY

2.1. Safety and liability

Before installing and using this product, please read this manual carefully.

This Somfy product must be installed by a home motorisation and automation professional, for whom this manual is intended. Moreover, installers must comply with the standards and legislation in force in the country where the product is installed, and inform their customers of the operating and maintenance conditions for the product. Any use outside the sphere of application defined by Somfy is prohibited. This invalidates the warranty and absolves Somfy of all liability, as does any failure to comply with the instructions given herein.

Never begin installing without first checking the compatibility of this product with the associated devices and accessories (www.somfypro.com/Set-Go).



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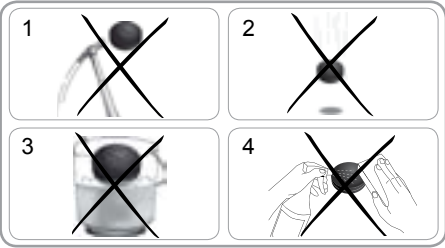
io controls



2.2. Specific safety instructions

To avoid damaging the product:

- 1) Avoid impacts!
- 2) Do not drop!
- 3) Do not spray or immerse in liquids.
- 4) Do not use abrasive products or solvents to clean the product. Its surface can be cleaned with a soft, damp cloth.

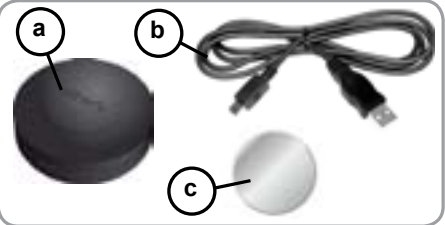


3. REQUIREMENTS

- 1) The installation must include devices that incorporate io-homecontrol® technology (roller shutters, garage doors, skylights, blinds, lights, etc.).
- 2) Minimum configuration of the computer to be used with the Set&Go io:
 - System required: Windows XP Service Pack 2/Vista/7
 - Screen resolution: 1024 x 600 pixels
 - Screen size: 10.1 inches
 - RAM: 1 GB
 - Free disk space: 200 MB
 - Processor: 1.6 GHz
 - Powered USB 2.0 port
 - Good battery life.

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|---------------------|---|
| a) Set&Go io | 1 |
| b) USB cable | 1 |
| c) Adhesive support | 1 |



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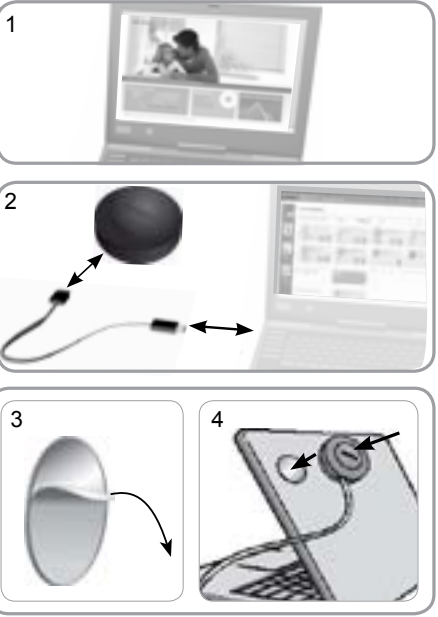
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EN

5. SET UP

 An Internet connection is required for step 1 (before going to the worksite).

- 1) On the computer to be used with the Set&Go io:
- Launch the Internet browser.
 - Go to: **www.somfypro.com/Set-Go** and follow the instructions to download the Set&Go io application.
 - Once the download is complete, run the downloaded file to install the application on the computer.
- 2) Connect the Set&Go io to the computer using the USB cable and follow the instructions displayed on the screen to complete installation.
- Launch the application and follow the instructions.
- 3) To secure the Set&Go io to the computer, remove the protective film from the adhesive support supplied.
- 4) Stick the support in the desired location and press on it firmly to ensure optimum bonding. Place the Set&Go io on the support.



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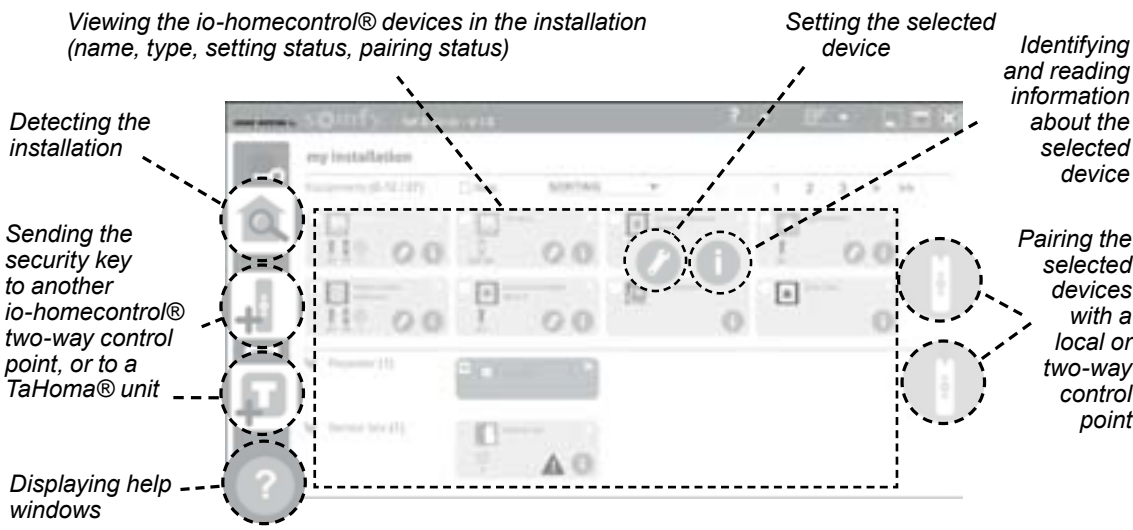
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6. MAIN SCREEN OVERVIEW



For more details, see the application instructions.

7. TECHNICAL DATA

Radio frequency: 868-870 MHz, tri-band io-home-control® two-way, with LBT (Listen-Before-Talk) (searches for an unoccupied radio frequency prior to transmitting).

Radio range: 20 m through 2 concrete walls. The building in which the product is used may reduce the radio range.

Protection rating: IP30

Operating temperature: 0°C to +60°C

Dimensions: Ø 64 mm, thickness 22 mm

Power supply: USB

USB Port: Mini-B



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The Set&Go io

Getting started with the Set&Go io

Once you have downloaded the application and connected the Set&Go io to your PC (see the *Installer Manual*), follow the instructions that appear on the Set&Go io interface. There are four main steps in the set-up procedure.

Step 1: Detecting the installation using the Autoscanner function

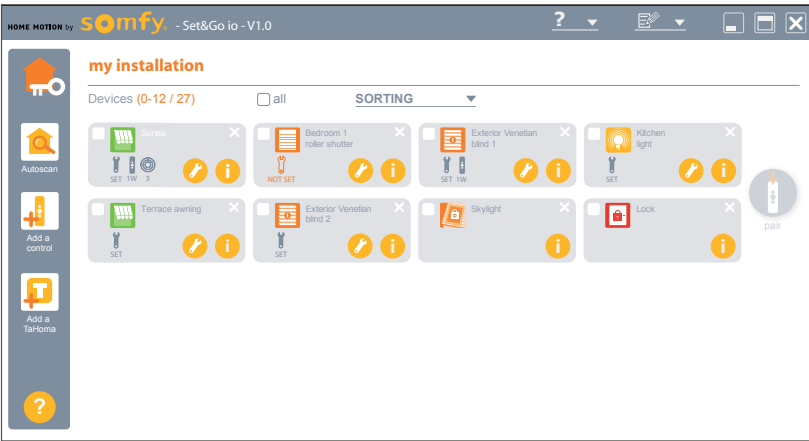


1) Launch the Set&Go io application and then click "Autoscan".



2) Press and hold the KEY button on an io control with feedback function for at least 2 seconds to obtain the installation's key.

Repeat this operation for each io control with feedback function in the house.



3) All of the motors and receivers in the installation are shown on screen.



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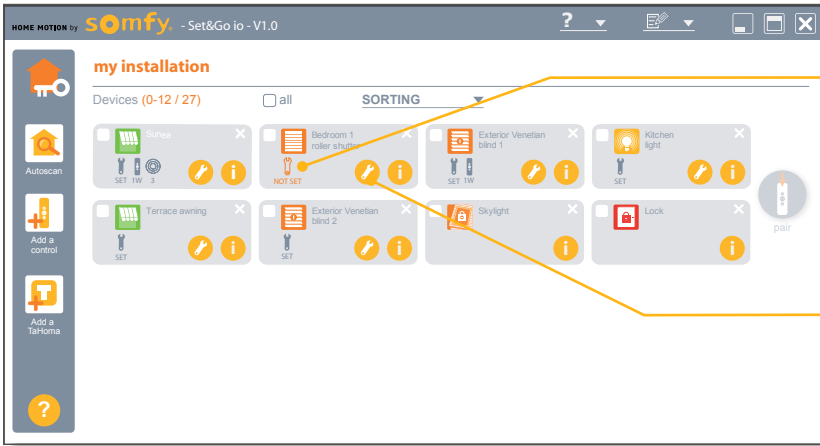
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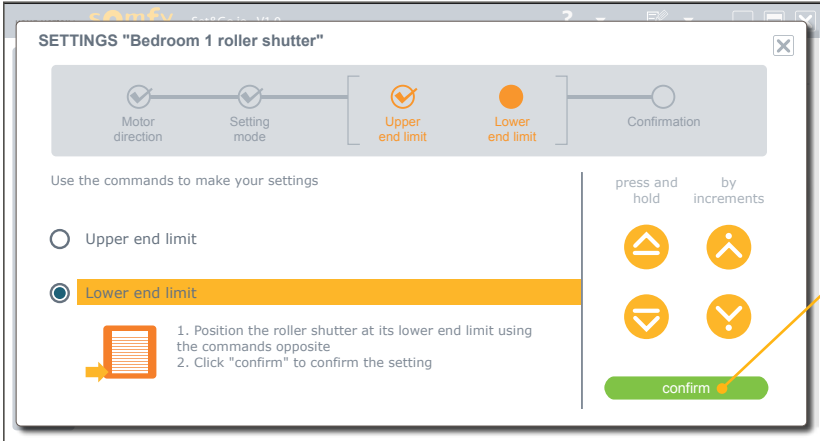
Step 2: Setting each product individually



1) Identify the motors or products that have not been set (orange "not set" icon)...



... then click the wrench icon to open the settings screen.



2) Follow the intuitive interface to make the settings:

- > Rotation direction
- > Setting mode: manual, semi-automatic, automatic
- > Upper and lower end limits in manual or semi-automatic mode

Confirm.

Handy tip: You can return to the settings for a motor and change the parameters at any time.

3) Repeat this operation for every motor that has not yet been set.



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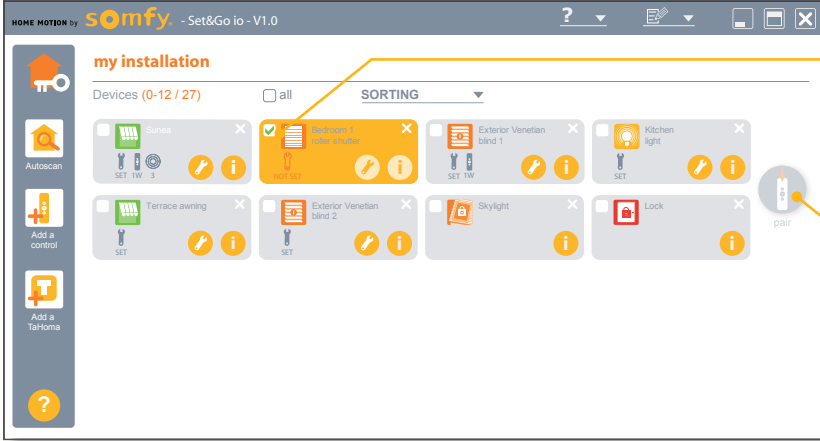
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Step 3: Pairing the control points



1) Select the motor or receiver to be paired...



... then click the "Pair" button.



2) Select the control model to be assigned to this motor.



0.5 s

3) Activate the control by pressing the PROG button.



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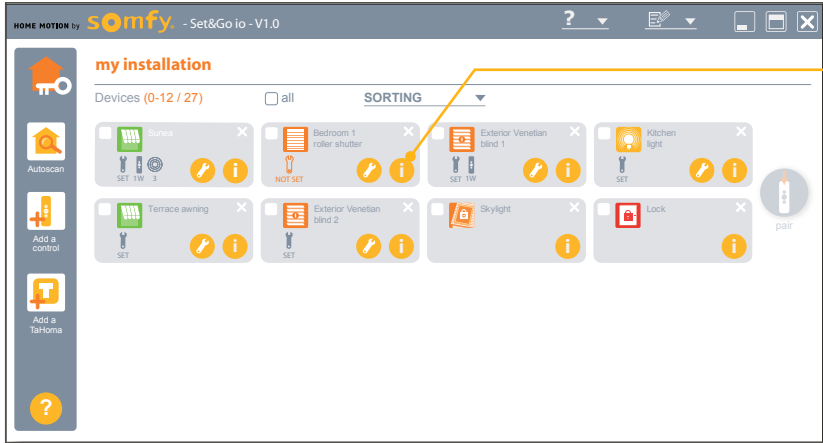
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Step 4: Signing the installation



1) Click the i icon.



2) Enter the information in the fields provided.

Handy tip: This information can be copied automatically into the memory of all of the motors.
The information about the installation can then be relocated when you return to the worksite.

3) Confirm.

Installation is complete!



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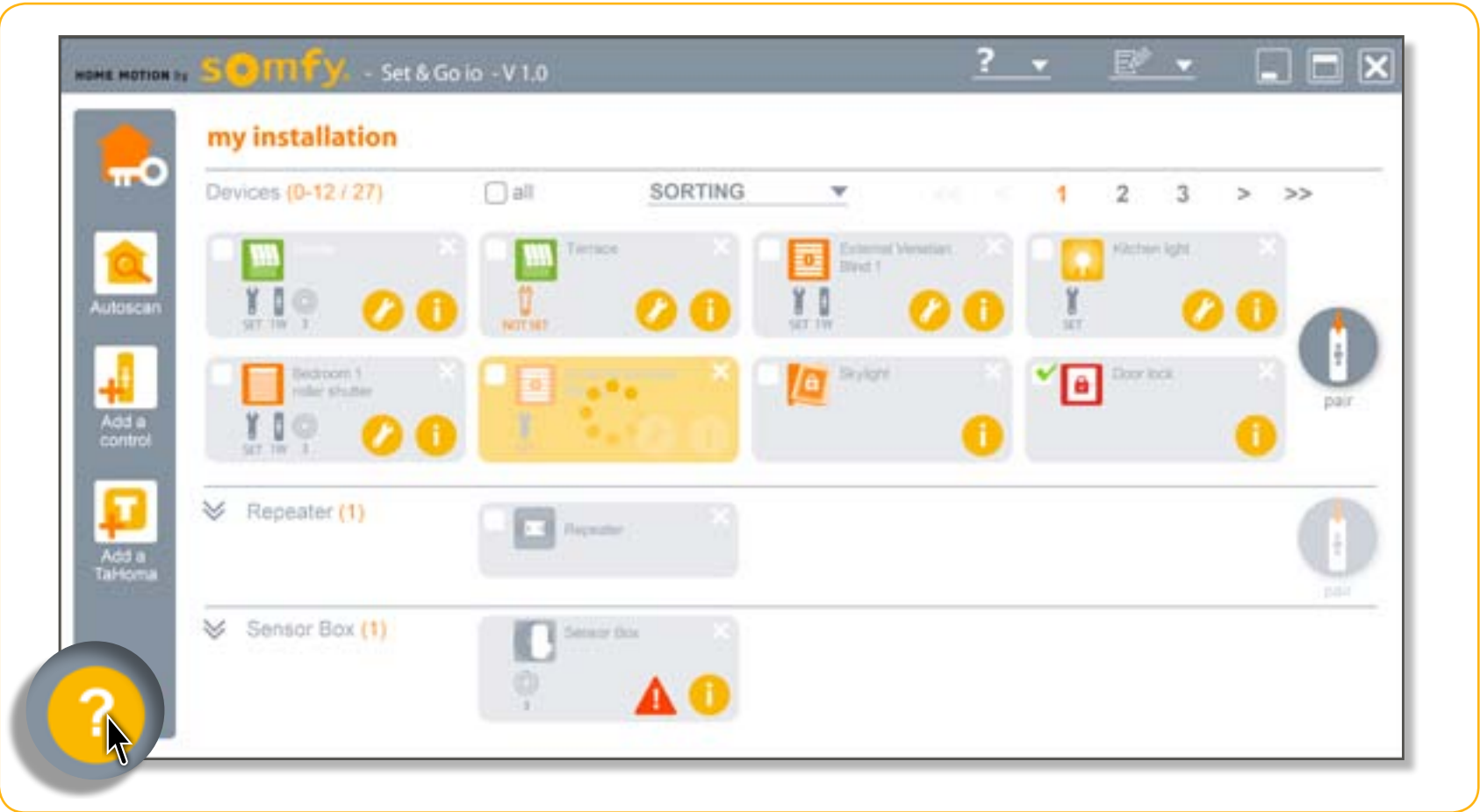
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Set&Go io help balloons

Click the  icon to display the numbered help balloons that describe the main actions that can be carried out from the main screen.



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Click a help balloon to display an explanation window.

Help balloon no. 1: Autoscan

1



Autoscan



"Autoscan" can be used to detect all of the devices in the installation, including end-products, sensor boxes and repeaters



By activating your controls



You will identify all of the devices in your installation



and harmonise the security keys for each device in the installation so that they can be controlled by all of the controls in the installation

OK



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Help balloon no. 2: Add a control

2



Add a control

"Add a control" enables you to incorporate a control with feedback function into the installation by transferring the system key to it.





By transferring the installation key to a control with feedback function, you will enable the control to detect all of the devices with that key.

OK

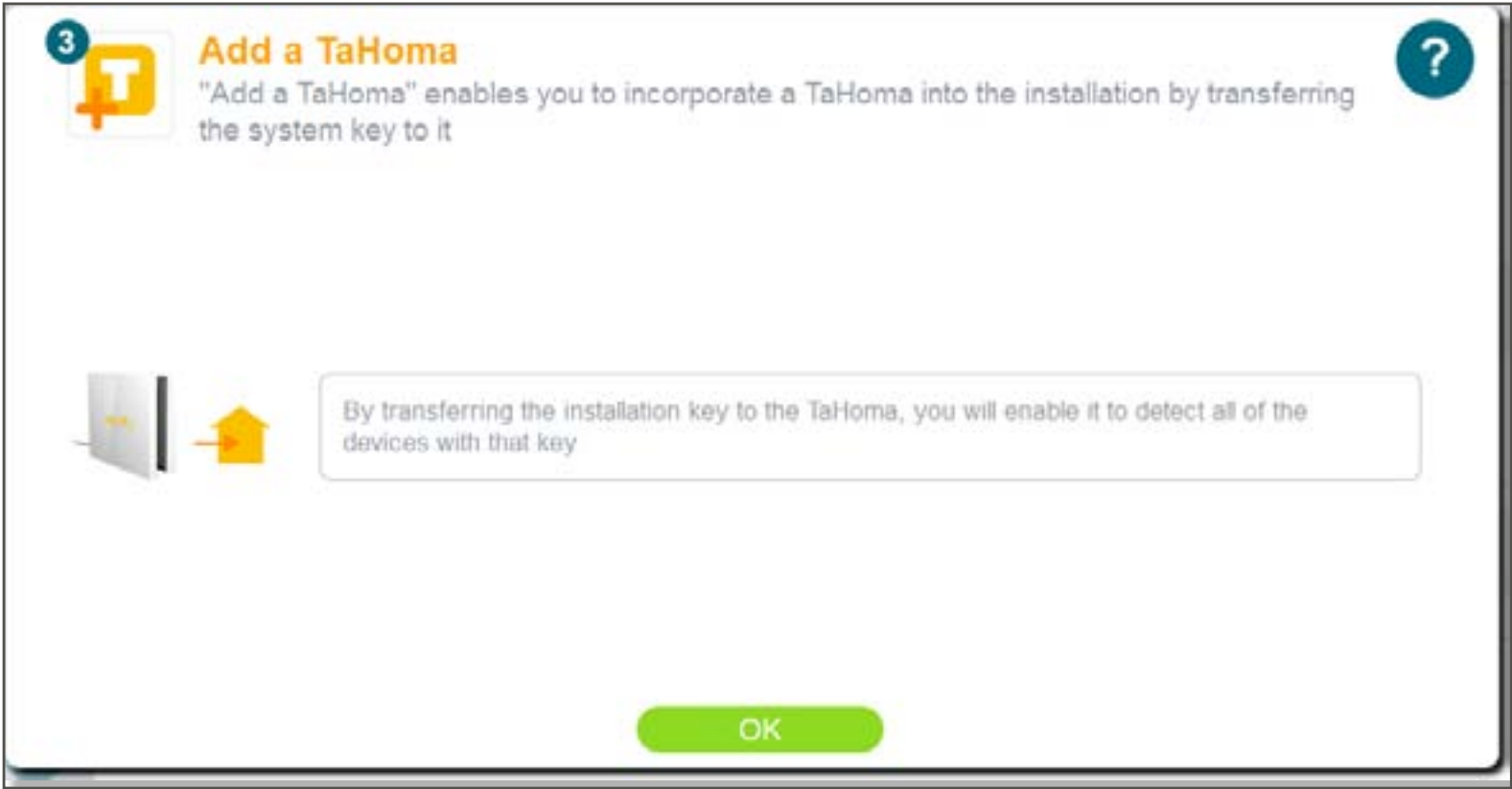


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Help balloon no. 3: Add a TaHoma



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Help balloon no. 4: Managing devices

4



Managing devices

The "device boxes" can be used to view and change the status of each device included in the installation (select the device, set it, add information about it, etc.)

☐

Select one or more device(s) in order to then pair them



View the device type and name.
Identify the device by clicking its icon



See whether the device is set or not



See if the device is programmed in a control without feedback function (1W)

☒

Delete the devices from the Set&Go io interface



View and modify the information about the device (name, installation data, etc.)



Set or reset the devices (travel stop, motor rotation direction, etc.)



Find out if one or more wind sensors are programmed in the device (example given: 3 wind sensors)

OK

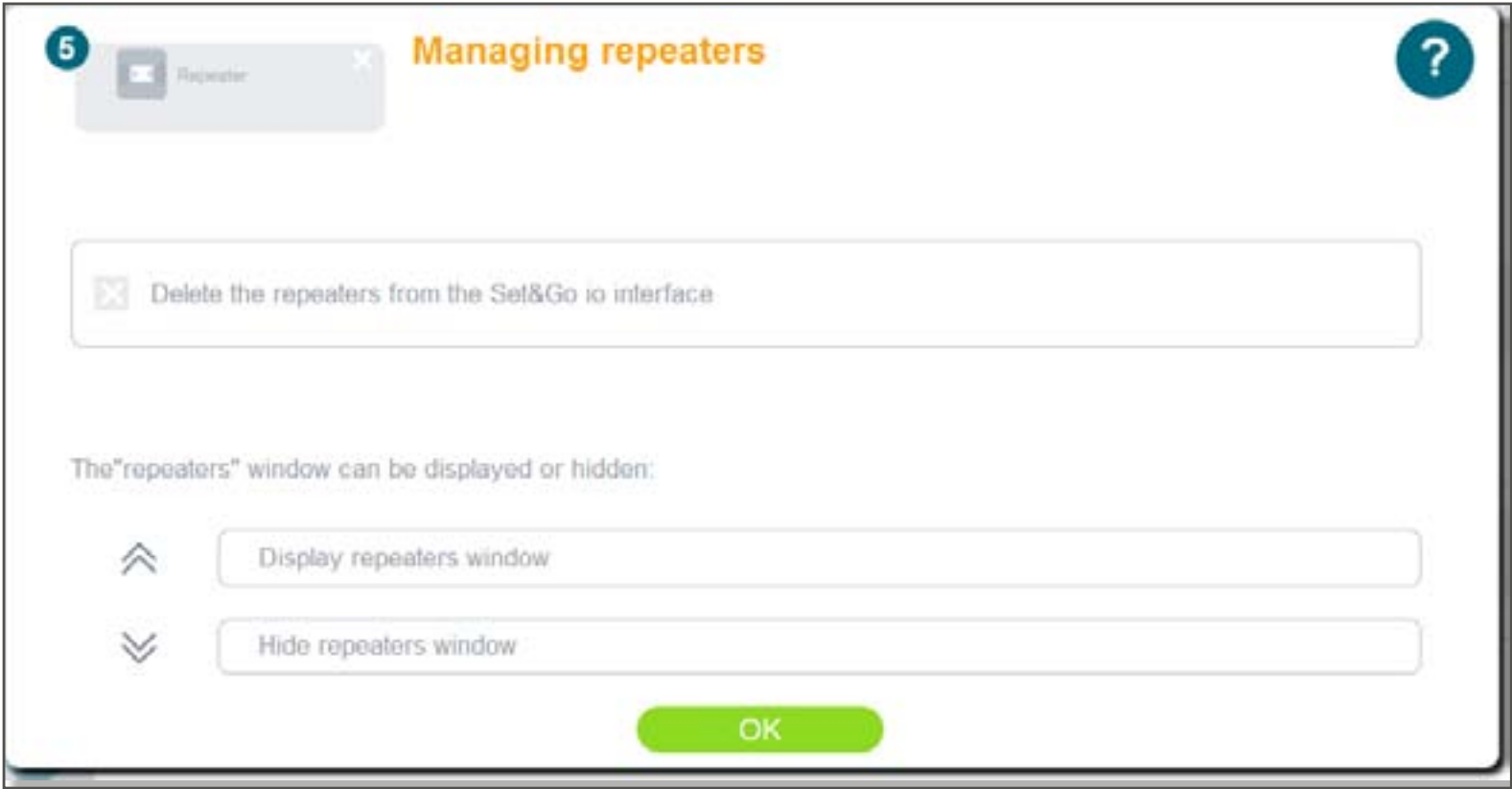


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Help balloon no. 5: Managing repeaters



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Help balloon no. 6: Sensor Box

6

Sensor box

!

Sensor box

?

The "sensor boxes" can be used to view and modify information about the Sensor Boxes and the sensors programmed in them.

✕

Delete a Sensor Box from the Set&Go io interface

!

Find out about problems relating to the Sensor Box

The "Sensor Box" window can be displayed or hidden:

⌵

Display Sensor Box window

⌴

Hide Sensor Box window

OK



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Help balloon no. 7: Pairing devices

7

Pairing devices

Pairing devices with a control with or without feedback function

1



Select the devices that you want to pair with a control by checking the relevant "device boxes"

2



Click the "pair" icon opposite the "devices" window

3



Follow the instructions given by Set&Go io

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Help balloon no. 8: Pairing repeaters

8

**Pairing repeaters**

Pairing repeaters with a control with feedback function

1



Click the "pair" icon opposite the "repeaters" window

2



Follow the instructions given by Set&Go io

OK



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List of motors and receivers compatible with the Set&Go io for the Autoscan function and pairing

Product	Description
Motorised gates	Ixengo io, Elixo io, Multipro io - Somfy Gate motor - Hörmann
Motorised garage doors	Dexxo Pro io - Somfy Garage door motor - Hörmann
Motorised roller shutters	Oximo io, Oximo S Auto io - Somfy SSL, SML - Velux
Motorised roller shutters with tiltable slats	SGH io - Somfy
Motorised exterior Venetian blinds	J4 io - Somfy
Motorised terrace awnings	Sunea io (cassette awning), Sunilus io (monobloc awning) - Somfy
Motorised pergolas	Pergola io, Pergola Screen io - Somfy
Motorised dual roller shutters on skylights	Dual roller shutter - Velux
Motorised screens	Sunea screen io, Sunilus Screen io - Somfy
Motorised interior Venetian blinds	Interior Venetian blind - Somfy
Skylight	Motorised skylight - Velux



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Product	Description
Remote control of lighting and electrical appliances	Light receiver - Somfy Spot lights - Velux LED light receiver, 230 V light receiver - Niko Socket receiver - Velux
Heating	Heat pump - CIAT
Door locks	Lock controller io - Somfy
Window locks	Motorised window lock - Secuyou
Alarm	Protexial io - Somfy

List of Somfy sensors compatible with the Set&Go io

Products	Description
Wind sensors	Eolis WireFree™ io and Eolis 3D WireFree™ io - Somfy
Sensor storage unit	Sensor Box io - Somfy



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List of Somfy motors compatible with the Set&Go io for setting functions

Products	Description
Motorised roller shutters	Oximo io, Oximo S Auto io - Somfy
Motorised exterior Venetian blinds	J4 io - Somfy
Motorised terrace awnings	Sunea io (cassette awning), Sunilus io (monobloc awning) - Somfy
Motorised pergolas	Pergola io, Pergola Screen io - Somfy
Motorised screens	Sunea screen io, Sunilus Screen io - Somfy



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Oximo io & Oximo S Auto io (roller shutter motors)

Introduction

Oximo io

The Oximo io is a motor with integrated io-homecontrol® radio control.

- Designed for all types of roller shutter.
- Automatically maintains apron up and down settings for perfect opening and closing every time.
- Protects your roller shutters by stopping automatically if an obstacle is encountered when it is being lowered.
- Doesn't force the shutter if ice has formed on it.
- Simply pressing the "my" key accesses your pre-programmed favourite position.
- Also available in RTS radio version.

Oximo S Auto io

The Oximo 50 S Auto io is a short motor that learns its end limits automatically. It is made up of two inseparable components:

- The Oximo io Module: this contains the motor's electronics and radio.
- The Tubular S Module: this contains the motor's drive components.

The Oximo 50 S Auto io is designed to equip roller shutters fitted with rigid links and end-stops, selected according to the operating conditions described below.

The Oximo 50 S Auto io can be fitted on the left or the right.

The Oximo 50 S Auto io is equipped with:

- obstacle protection to protect the roller shutter apron when it is being lowered.
- frost protection to protect the roller shutter apron when it is being raised.



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Identifying the type of roller shutter setting depending on the mechanical equipment

 CAUTION: Shutters fitted with an Oximo S Auto io MUST have rigid links and end-stops and can only be set automatically.



► Automatic setting

No end-stops

► Setting the upper end limit only



► Setting the lower end limit only

No end-stops

► Setting the upper and lower end limits

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Sunea io & Sunea Screen io (terrace awning & exterior screen motors)

Introduction

The **Sunea io** is a universal motor for blinds (with or without cassette).

The **Sunea Screen io** is a universal motor for blinds and vertical blinds (without cassette).

The Sunea io and Sunea Screen io have an integrated io-homecontrol® radio receiver that can be incorporated into all types of sun protection devices.

- New functions can reduce the tension on the fabric to a minimum, depending on the blind's operating mechanism.
- With its io-homecontrol® technology, the motor is interoperable with the other io-homecontrol® end-products in the house.
- The Sunea io and Sunea Screen io are controlled using io-homecontrol® controls.
- Wind safety is provided in conjunction with a wind sensor (such as Eolis WireFree™ io, Eolis 3D WireFree™ io, etc.).
- The Sunis WireFree™ io sunlight sensor works in conjunction with an automatic device (for example, Easy Sun io, TaHoma) to ensure that the blind is automatically opened in intense sunlight.



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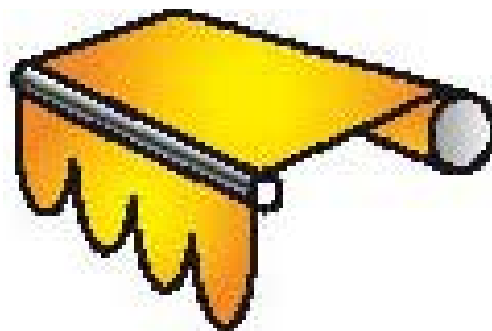
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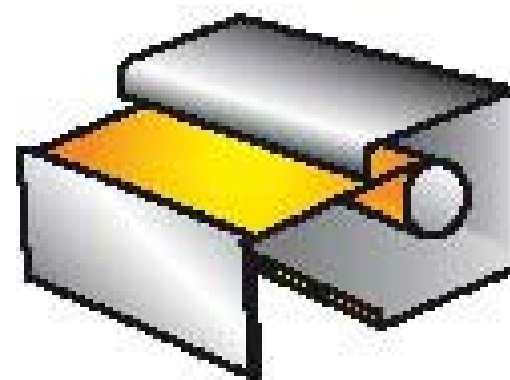
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Identifying the type of blind



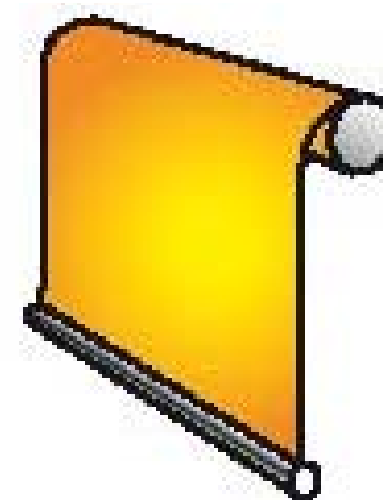
Awning blind

- ▶ Setting the upper and lower end limits



Cassette or semi-cassette awning

- ▶ Setting the lower end limit only



Exterior screen

- ▶ Setting the end limits depending on the model (lower or lower and upper); confirm depending on type

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Dexxo Pro io (garage door motor)



Introduction

The **Dexxo Pro io** is an io-homecontrol® radio-controlled motor for all types of garage door (up-and-over, sectional and side-hung) up to 15 m².

- Ceiling-mounted.
- Fast, quiet operation.
- Stops automatically when an obstacle is encountered.
- Protection against forcible entry: the motor exerts a counter-thrust against any attempt to force the door open.
- Option of programming automatic closing after a specified time period.
- Integrated or remote lighting can be controlled independently of the motor.
- Also available in RTS radio version.

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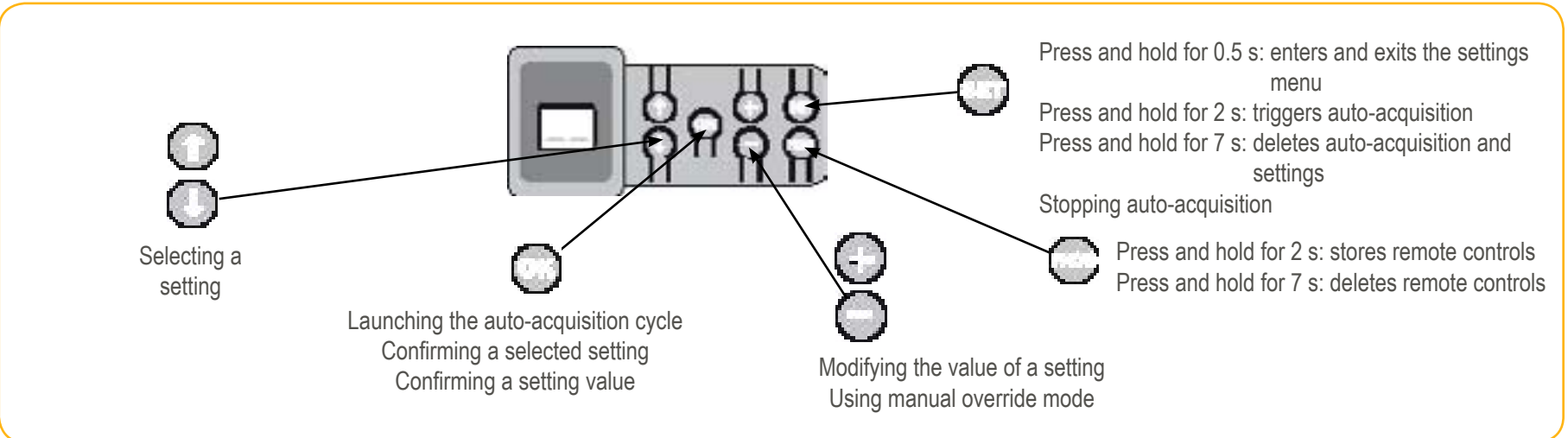
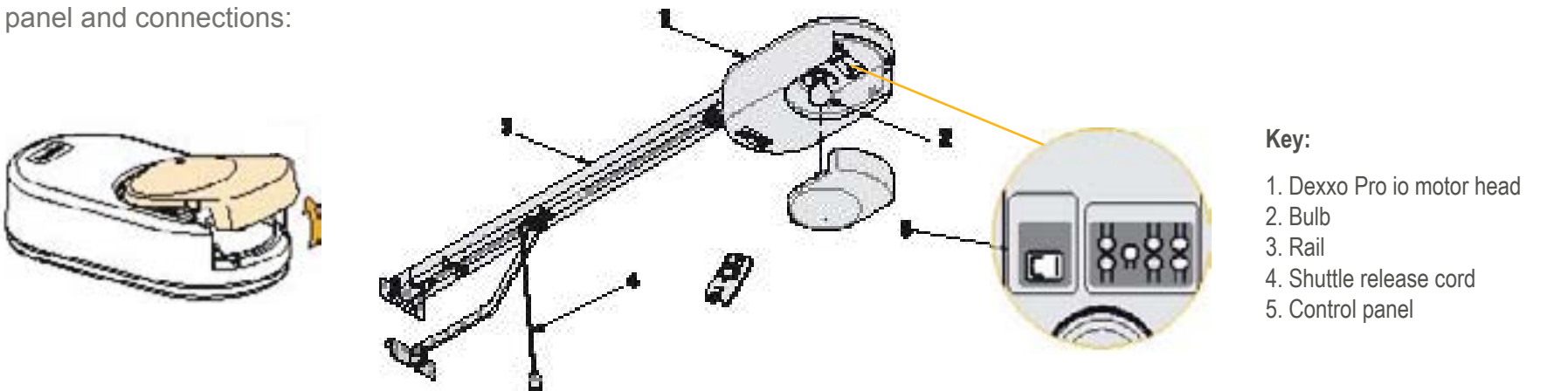
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Control panel description

Remove the cover to access the control panel and connections:



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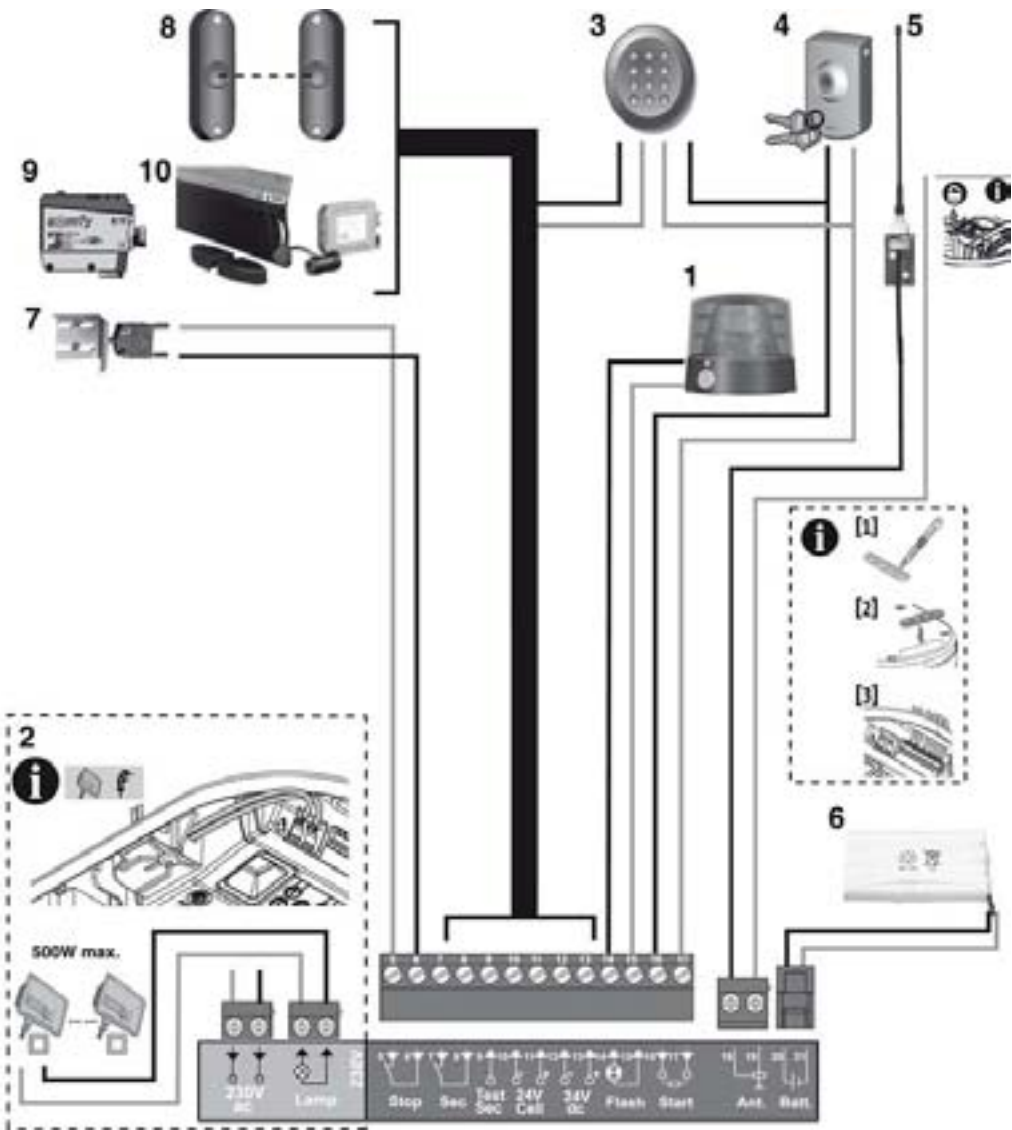
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Dexxo Pro io wiring

Overview of components:

 CAUTION: Please refer to the manual for full information about the wiring of the Dexxo Pro io and its accessories.



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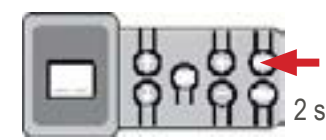
io controls

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Setting the end limits for the Dexxo Pro io

 CAUTION: The Dexxo Pro io must be correctly installed on the rail fitted with a mechanical upper stop (refer to the guide for further information).

1) Enter setting mode:

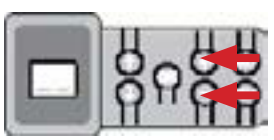


Press SET



The light on the Dexxo Pro io comes on

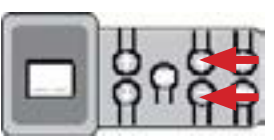
2) Engage the shuttle:



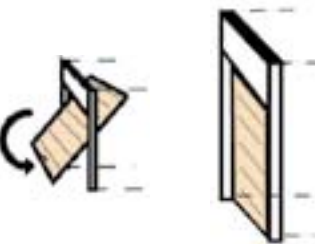
Press + or - so that the shuttle engages on the carriage



3) Adjust the closed position:



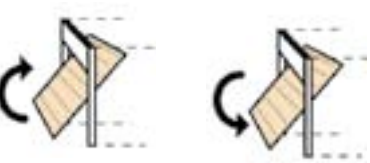
Press + or - so that the door is completely closed without forcing



4) Confirm the setting:



Press OK to confirm



The door opens and then closes again during its auto-acquisition cycle



C1 indicates that the cycle has completed correctly

If the door is moving, pressing any key stops the movement immediately and stops auto-acquisition.
Another auto-acquisition cycle can be performed.

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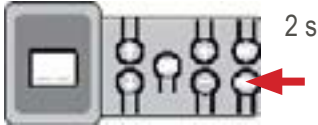
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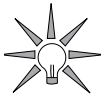
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Programming the Dexxo Pro io

Entering Dexxo Pro io pairing mode



Press PROG

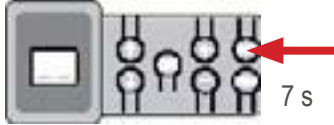


The light on the Dexxo Pro io comes on



 CAUTION: If there are other products that use io-homecontrol® technology, harmonise the Keytis io's system key.

Deleting the end limit settings for the Dexxo Pro io



Press SET

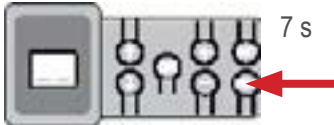


The light on the Dexxo Pro io flashes



 CAUTION: This operation will only delete the end limits, which can be reprogrammed.

Deleting assigned controls



Press PROG



The light on the Dexxo Pro io flashes



 CAUTION: This operation will only delete all of the controls that have been assigned to the Dexxo Pro io. Remember to also delete the Dexxo Pro io from all of the controls with feedback function.

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List of Dexxo Pro io settings

Code	Description	Values
P0	Operating mode	0 : sequential 1 : automatic closing
P1	Orange light delay	0 : no delay 1 : 2 s delay
P2	Safety input	0 : no safety device 1 : safety device with self-test 2 : safety device without self-test
P3	Obstacle detection sensitivity	0 : very low sensitivity 1 : low sensitivity 2 : standard 3 : high sensitivity
P4	Partial opening cycle	0 : invalid 1 : valid
P5	Closing speed	0 : slowest: approx. 3.5 cm/s to 9 : fastest: approx. 18 cm/s Default setting: 6, approx. 12 cm/s
P6	Partial opening position	Actual position storage
P7	Closing docking speed	0 : no slowing 1 : short slowing 2 : long slowing

Code	Description	Values
P8	Opening speed	0 : slowest: approx. 3.5 cm/s to 9 : fastest: approx. 18 cm/s
P9	Operating direction selection (door type)	0 : direction 1: any type of door apart from side-hung door 1 : direction 2: side-hung door
A0	Safety action before opening (safety ADMAP)	0 : not applicable 1 : movement refused
A1	Closing safety action	1 : stopping 2 : stopping + partial reopening 3 : complete reopening
A2	Closing obstacle detection action	2 : stopping + partial reopening 3 : complete reopening
t0	Automatic closing delay	0 to 12 (delay value = value x 10 s) 2 : 20 s
t1	Lighting delay	0 to 60 (delay value = value x 10 s) 6 : 60 s

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List of Dexxo Pro io codes

List of operating codes

Code	Description
C1	Waiting for command
C2	Door opening
C3	Waiting for door to reclose
C4	Door closing
C5	Obstacle detection
C6	Active safety input
C9	Gate contact safety device active
Ca	Safety device self-test in progress
Cd	Operating on backup battery Waiting for command

List of programming codes

Code	Description
S1	Waiting for setting
S2	Auto-acquisition mode
F0	Waiting for motor control storage

List of error codes and faults

Code	Description	Comments	What to do
E1	Maximum force reached	During auto-acquisition, the door requires too much force for the motor.	Check that the door is balanced and can be operated correctly by hand.
E4	Safety device self-test fault	The safety device self-test is unsatisfactory.	Check that "P2" is correctly set for the device connected to the safety input. Check the wiring on the safety devices. Check that any photoelectric cells are correctly aligned.
Eb	Other faults and errors	These codes correspond to various printed circuit board errors.	Switch off the power supply (main + backup battery), wait for a few minutes and then reconnect the power. Perform an auto-acquisition cycle. If the fault persists, contact Somfy technical support.

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- Controls without feedback function:
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Controls without feedback function:

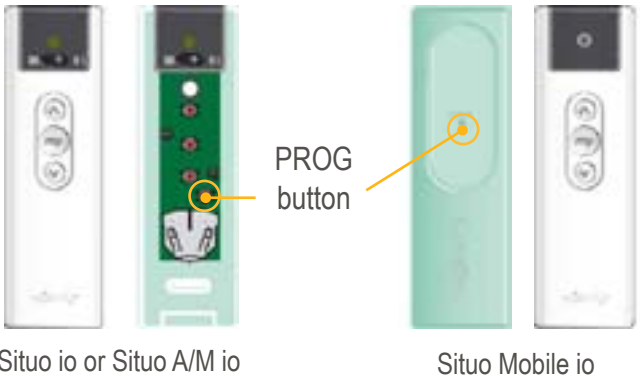
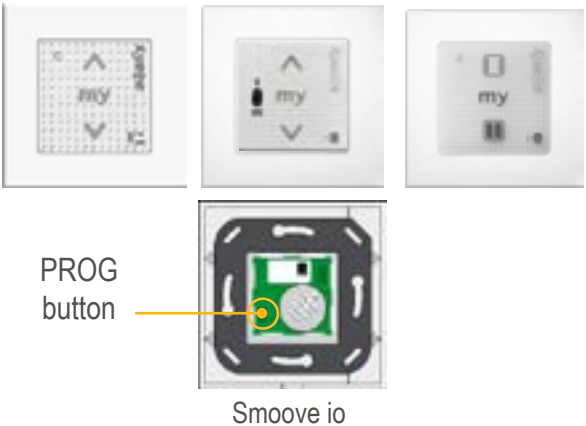
Smooove Origin io - Smooove 1 io - Smooove 1 IN io - Smooove 1 A/M io - Smooove 1 IN A/M io - Smooove 1 O/C io - Situo io - Situo A/M io - Situo Mobile io

Introduction

The **Smooove Origin io**, **Smooove 1 io**, **Smooove 1 IN io**, **Smooove 1 A/M io**, **Smooove 1 IN A/M io**, **Smooove 1 O/C io**, **Situo io**, **Situo A/M io** and **Situo Mobile io** are wall-mounted wireless radio controls that allow you to control end-products using io-homecontrol® radio technology, such as blinds, roller shutters, lights, skylights, etc.

These controls without feedback function are used to control one or more products in the same room.

- The Situo io, Situo A/M io and Smooove io models have been designed to be wall-mounted next to each product they control.
- The Situo Mobile io is a remote control that can be placed on a mount.
- The Smooove 1 IN io can be used with frames that comply with DIN 49075.
- The Situo A/M io, Smooove 1 A/M io and the Smooove 1 IN A/M io have an additional "Auto-Man" function.
- The Smooove 1 O/C io is used mainly to control applications with io-homecontrol® motorised leaves.



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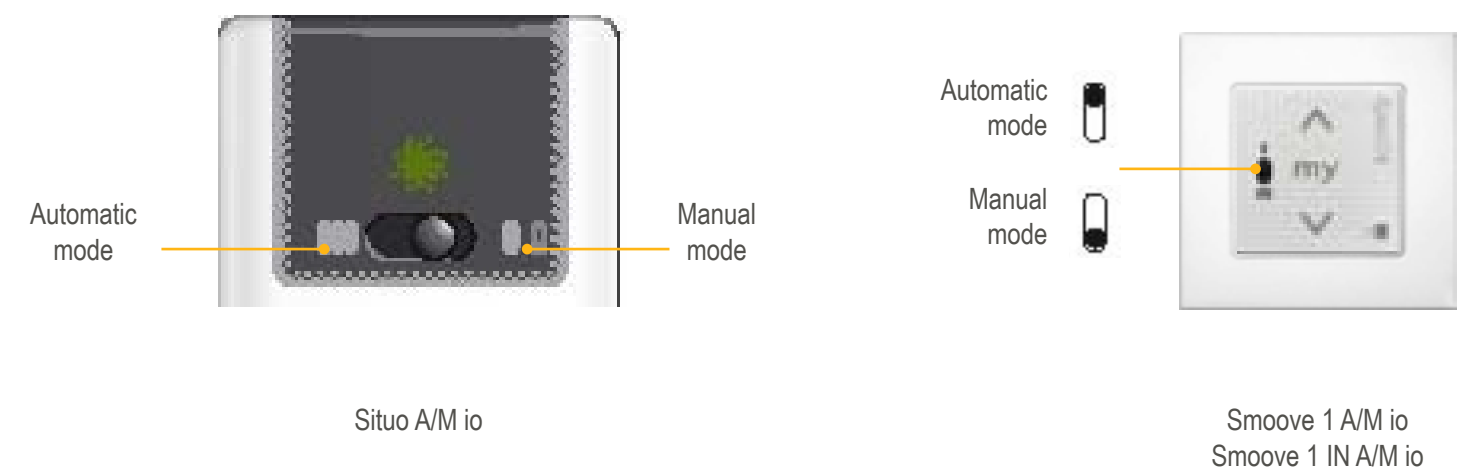
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The A/M function (Situo A/M io, Smooove 1 A/M io, Smooove 1 IN A/M io) can be used to locally deactivate the automatic devices (Impresario Chronis io, Sunis io) or general controls (Telis 1 io, Telis Composio io) of the product controlled by the Situo A/M io, the Smooove 1 A/M io or the Smooove 1 IN A/M io:

- In Manual mode, only the Situo A/M io (or Smooove 1 A/M io, or Smooove 1 IN A/M io) will be able to control the product.
- In Automatic mode, all of the products programmed in the motor can control it.



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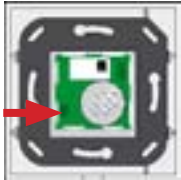
io controls

Adding a control WITHOUT feedback function



CAUTION: If the maximum number of controls without feedback function stored in the motor or receiver has been reached, one of the controls must be deleted before another one is added.

1) Wake up the motor:



2 s

OR



2 s

OR



2 s



Brief movement

Press the PROG button on the control that is already programmed in the motor.

2) Programme the new control:



0.5 s

OR



0.5 s

OR



0.5 s



Brief movement

Briefly press the PROG button on the new control.

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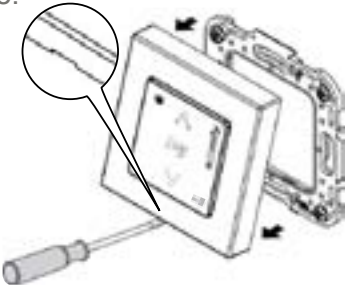
Replacing the battery in the Smooove io

 CAUTION: Batteries or accumulators have to be separated from other types of waste and must be recycled through your local treatment and recycling system. 

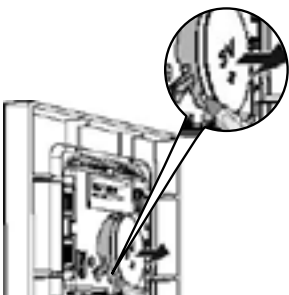
Smooove Origin io, Smooove 1 io, Smooove 1 IN io, Smooove 1 A/M io, Smooove 1 IN A/M io, Smooove 1 O/C io

If the "low battery" light comes on when the keys on the control are pressed, the battery must be replaced. The control does not have to be reprogrammed when the batteries are changed.

1) Unclip the frame, together with the module:



2) Push the old battery out of its housing using a plastic object:

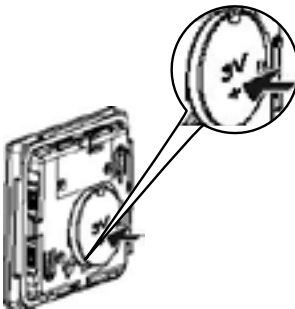


3) Insert a battery with identical specifications, the face marked with a plus sign (+) visible:



3 V type CR 2430

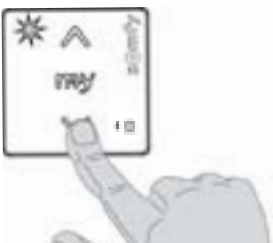
4) Push the battery fully into its housing:



5) Clip the frame and the Smooove io module on again:



6) Press a key on the front panel. If the indicator light lights up then the battery has been replaced correctly.



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io-homecontrol® technology

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io controls

Replacing the battery in the Situo io

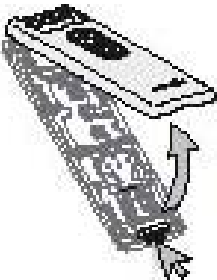
Situo io, Situo A/M io, Situo Mobile io

 CAUTION: Batteries or accumulators have to be separated from other types of waste and must be recycled through your local treatment and recycling system. 

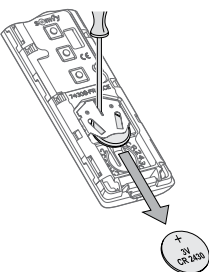


If the "low battery" light comes on when the keys on the control are pressed, the battery must be replaced. The control does not have to be reprogrammed when the batteries are changed.

1) Unclip the front cover on the Situo io:



2) Push the old battery out of its housing using a plastic object:

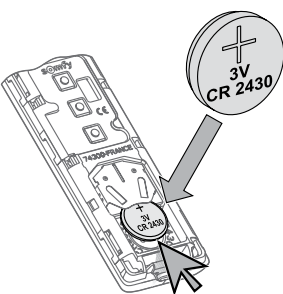


3) Insert a battery with identical specifications, the face marked with a plus sign (+) visible:

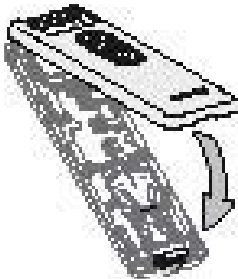


3 V type CR 2430

4) Push the battery fully into its housing:



5) Clip the cover back onto the Situo io:



6) Press a key on the front panel. If the indicator light lights up then the battery has been replaced correctly.



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io controls

Controls with feedback function:
Telis 1 io



Introduction

The Telis 1 io is a general group control. It can be used to form a group of a maximum of 30 actuators. This control has a range of 20 m through two walls.

It is a control with feedback function. This means that the execution of the "up", "stop", ""my" favourite position" and "down" orders will be acknowledged by LED feedback (green = successful, orange = unsuccessful).

- The Telis 1 io is a single-channel remote control that can be used to control the entire house in a simple manner.
- The Telis 1 io can be placed on the wall mount provided.
- The Telis 1 io has a battery power level indicator light.



Telis 1 io



PROG
button



KEY
button

Telis 1 io

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The Set&Go io

io motors

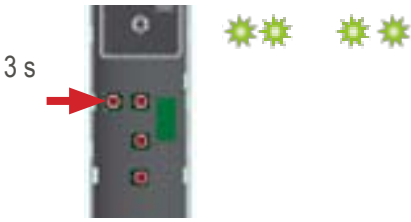
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io controls

Copying the system key

1) Send the system key (from a control with feedback function previously installed in the system):



Press the KEY button on the existing control, i.e. Telis Composio io, Telis 1 io.

2) Retrieve the system key:



Briefly press the KEY button on the new control (with feedback function) to be added.

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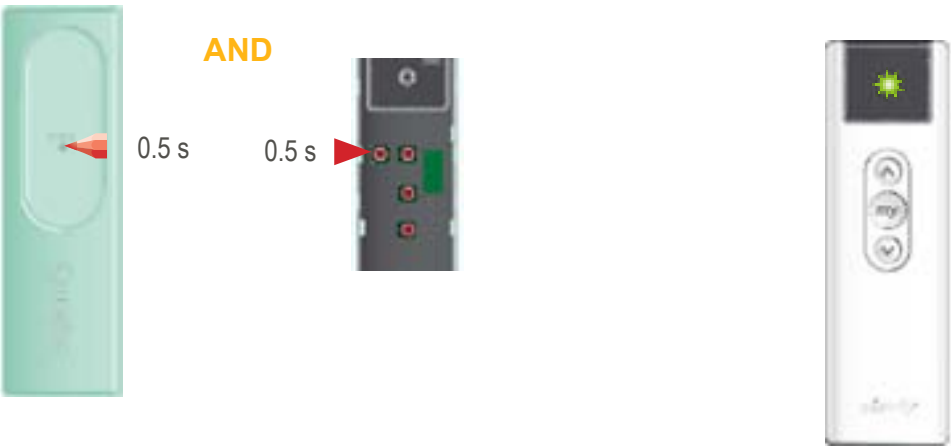
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io controls

Restoring the factory settings on the Telis 1 io

 CAUTION: This reset deletes all of the motors previously assigned to the remote control and initialises the system key.

Briefly press the KEY and PROG buttons on the Telis 1 io simultaneously:



The indicator light comes on

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Replacing the batteries in the Telis 1 io

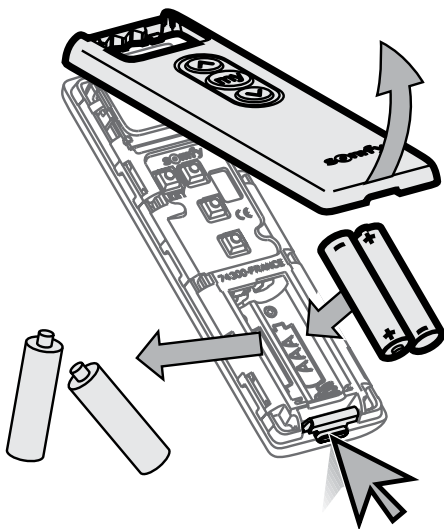


CAUTION: Batteries or accumulators have to be separated from other types of waste and must be recycled through your local treatment and recycling system.



If the "low battery" light comes on when the keys on the control are pressed, the battery must be replaced. The control does not have to be reprogrammed when the batteries are changed.

- Unclip the front cover on the Telis 1 io.
- Remove the batteries and insert 2 AAA (LR3) 1.5 V batteries following the polarity indicated.
- Clip the cover back onto the Telis 1 io.
- Press a key on the front panel. If the indicator light lights up then the battery has been replaced correctly.



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Controls with feedback function: Easy Sun io



Introduction

The Easy Sun io is a remote control that can be used to manage the sunlight on the façade with a sunlight sensor, and provide feedback on the sensors. It allows the user to control up to 15 end-products using io-homecontrol® radio technology, such as blinds, roller shutters, lights, skylights, etc.

The Easy Sun io can be used to control the doors and windows on your sunny façade by creating motorised opening groups for set zones. With just a single command, all the devices in the same group can be lowered, raised or moved to a favourite position simultaneously. A group can comprise a number of different devices, or just one.

The Easy Sun io also makes it possible to adjust your sunlight sensor's threshold easily and remotely, depending on your needs and the season, using the remote control.

The Sensor Box io and the associated sensors can only be managed by the Easy Sun io.

- With the feedback function, the Easy Sun io indicates that movement is in progress and sends back confirmation once it is finished.
- The Easy Sun io can be placed on the wall mount provided, meaning that automatic mode can be activated.
- The Easy Sun io has a battery power level indicator light.

Technical data

Batteries	2 x AA LR6 1.5 V
Maximum number of io-homecontrol® wind sensors	3
Maximum number of io-homecontrol® sunlight sensors	1
Maximum number of motors	15

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io-homecontrol® technology

The Set&Go io

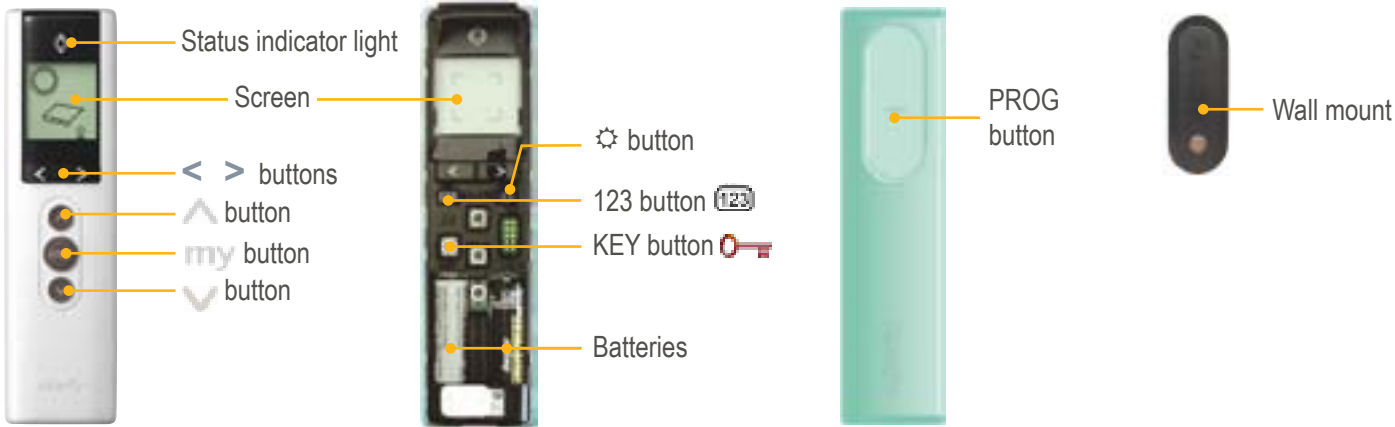
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io controls

Description of the Easy Sun io



button	Controls a down movement button + button: launches external Autoscan Scrolls through list after Autoscan
button	Stops the current movement Places the product in the "MY" favourite position Confirms motor selection after an Autoscan
button	Controls an up movement button + button: launches external Autoscan Scrolls through list after Autoscan
< > buttons	Channel selection Switches to DEMO mode

Screen	Displays automatic commands Shows information during programming
KEY button (Key)	Copies or receives safety key
button	Manages groups
button	Adjusts sunlight and wind thresholds
PROG button	Programming button Launches internal Autoscan



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io-homecontrol® technology

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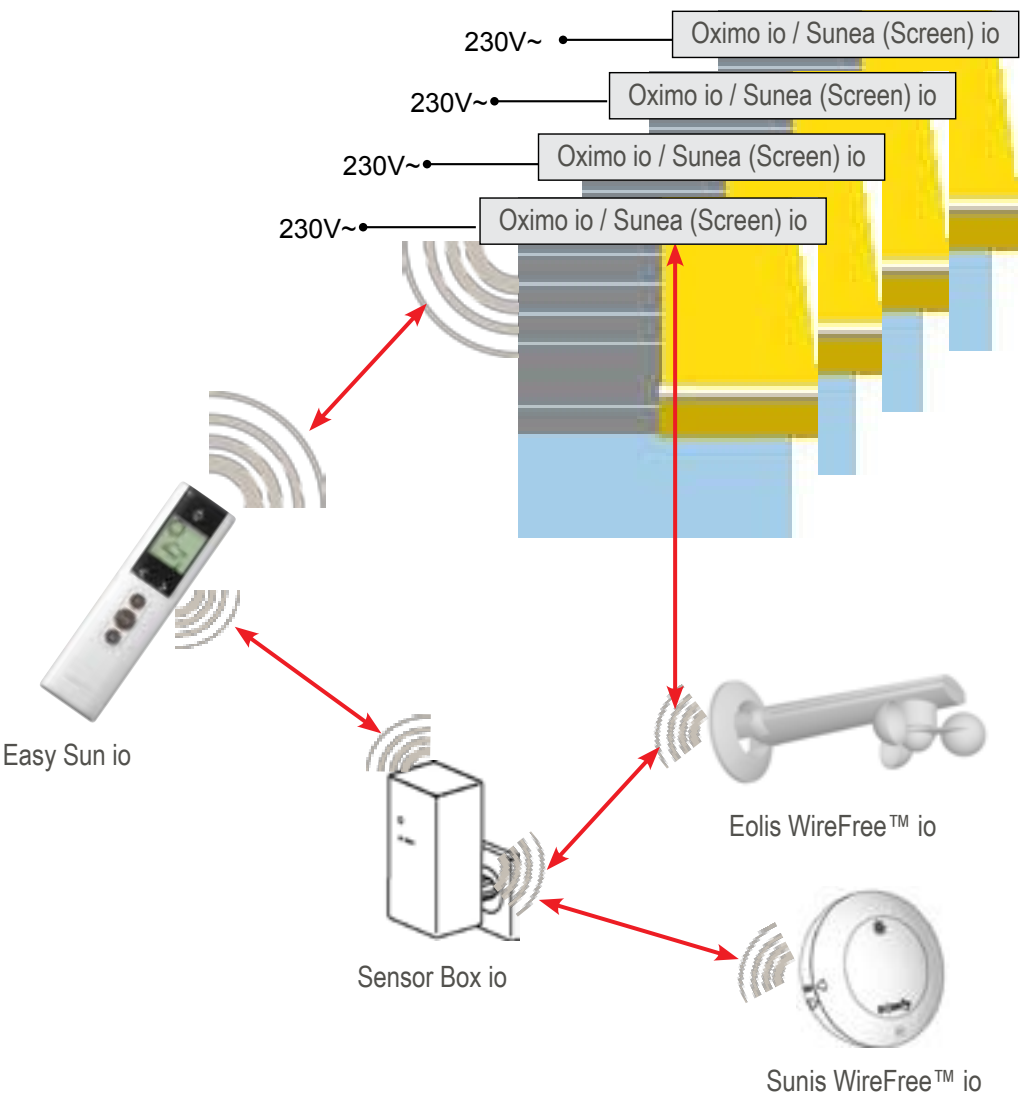
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How it works



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Easy Sun io screen details



Factory condition,
no programming



After Autoscan:
Group 1 selected



Group 2 selected



Group 3 selected



Group 4 selected



Group 5 selected



Roller shutter symbol



Sun protection symbol



Exterior Venetian blind symbol



Screen symbol



Lighting symbol



Symbol for other Somfy or
io-homecontrol® partner products



Automatic sunlight command
active; sunlight intensity limit
exceeded



Automatic sunlight command active;
sunlight intensity limit not exceeded



Automatic sunlight command
inactive



Sunlight intensity setting



Wind force setting
(here, for solar protection
devices)



Automatic command active;
wind force limit exceeded;
command blocked



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io controls

Modifying groups in the Easy Sun io

1) Select the group to be modified:



OR

Press < or > to display the group to be modified

Press 123 until the word SET is displayed

2) Scroll through the products to be selected:



1 2

Brief movement



OR

Press < or > to scroll through the products



2

Pre-selected product moves briefly

3) Select the products in the group and confirm:

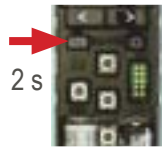


0.5 s

Briefly press 123



The product is selected



2 s

Press 123 to confirm

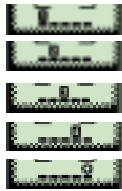
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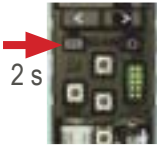
io controls

Modifying the group symbol in the Easy Sun io

1) Select the group to be modified:



Press < or > to display the group to be modified



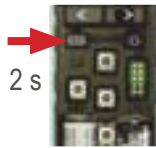
Briefly press **123** :
the group symbol flashes and the word SET appears

2) Select the symbol:



Press < or > to display
the new symbol

3) Confirm the symbol modification:



Press **123** to confirm

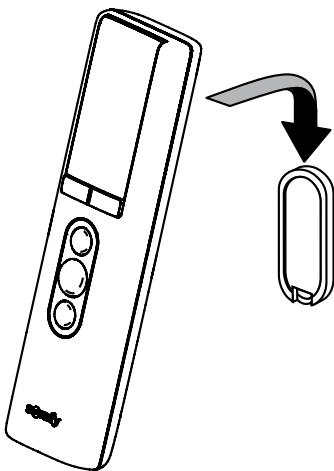
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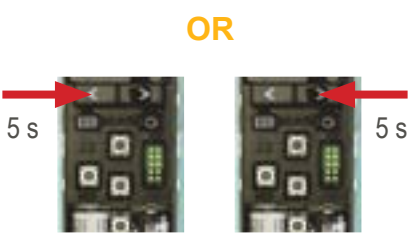
io controls

Activating the Easy Sun io in DEMO mode

 CAUTION: Demo mode is only used to test the sunlight sensor (Sunis WireFree io). The sensor must be programmed in advance in order to access test mode.



Place the control on its mount



Press < or >



The DEMO icon appears on the screen

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io controls

Restoring the factory settings on the Easy Sun io

 CAUTION: This reset deletes all of the motors previously assigned to the remote control and initialises the system key. In a full system, it might be necessary to restore the factory settings on the motors and/or restore the factory settings on the sensors and Sensor Box io as well.

Briefly press the KEY and PROG buttons on the Easy Sun io simultaneously:



The screen is blank.

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Replacing the batteries in the Easy Sun io

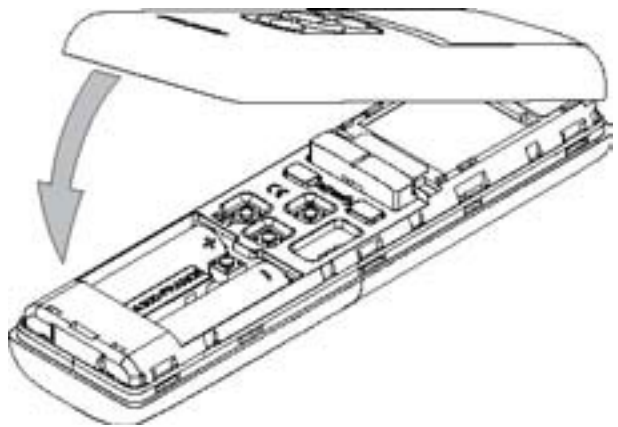
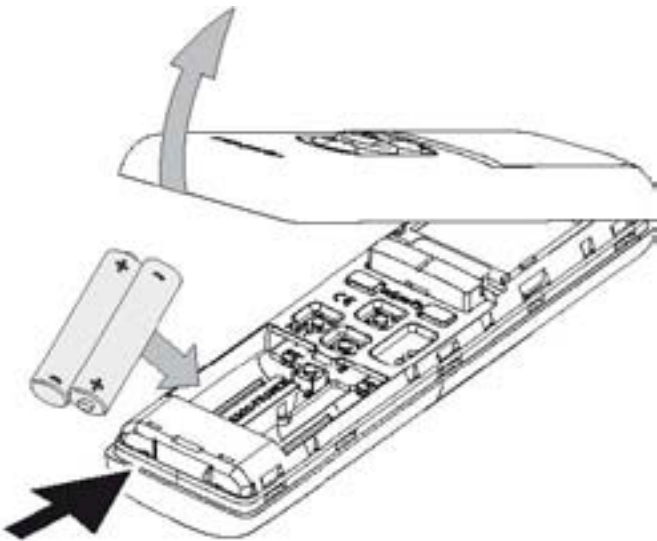


CAUTION: Batteries or accumulators have to be separated from other types of waste and must be recycled through your local treatment and recycling system.



If the "low battery" symbol appears on the Easy Sun io's screen, the battery must be replaced. The control does not have to be reprogrammed when the batteries are changed.

- Unclip the front cover of the Easy Sun io.
- Remove the batteries and insert 2 AA (LR6) 1.5 V batteries following the polarity indicated.
- Clip the cover back onto the Easy Sun io.
- If the "low battery" symbol is no longer displayed, the batteries have been replaced correctly.



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Easy Sun io troubleshooting

Problem	Possible cause	Solution
One of the products in the selected group does not respond to a ^ or v command from the Easy Sun io.	The motor or receiver is not part of the group.	Add the motor/receiver to the group. See section <i>Modifying groups in the Easy Sun io</i> .
	The motor or receiver is in local mode.	See warning message no. 1: Switch to automatic mode.
	The thermal protector on the motor has been activated.	See warning message no. 4: Let the motor cool down.
	There is too much wind. The "wind" symbol appears.	Wait for the wind to drop. The "wind" symbol is no longer displayed.
None of the products responds to a ^ or v command.	There are no motors or receivers associated with the group.	Add the motors/receivers to the group. See section <i>Modifying groups in the Easy Sun io</i> .
	The transmission/reception range is affected by one or more external transmitters.	Deactivate nearby external transmitters. See warning message no. 2.
	The Easy Sun io is in automatic mode.	Remove the Easy Sun io from the wall mount. This switches it to manual mode.
A product stops suddenly during movement.	The product has encountered an obstacle.	See warning message no. 3.
	The motor or receiver has received a command from another remote control.	See warning message no. 7.



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Problem	Possible cause	Solution
The products in the sunlight group (group 5) are not responding.	The automatic sunlight command is not activated.	Activate the automatic sunlight command.
	The wind is too strong. The "wind" symbol appears on the screen.	Wait for the wind to drop. The "wind" symbol disappears from the screen.
	There is insufficient sensitivity to the sunlight. More light is required to transmit a command.	Modify the sunlight intensity programmed.
	The Sensor Box io is not switched on.	Insert the Sensor Box io into the wall socket. Check that the wall socket is switched on.
	The sunlight sensor is not sending a signal.	Test the sunlight sensor and replace it if necessary.
The "low battery" symbol appears on the screen.	The batteries in the Easy Sun io are almost spent.	Replace the batteries.
The "low battery" and "sunlight group" symbols appear on the Easy Sun io's screen.	The sunlight sensor's batteries are almost spent.	Replace the batteries.
The "low battery" and "wind" symbols appear on the Easy Sun io's screen.	The wind sensor's batteries are almost spent.	If there are several wind sensors associated with the Easy Sun io, it is possible that the message only relates to one of them. Replace the battery in the sensor in question.
It is not possible to associate the sunlight sensor with the Easy Sun io.	The Easy Sun io's memory is full.	Delete the sunlight sensor already associated and associate the new sunlight sensor with the Easy Sun io.



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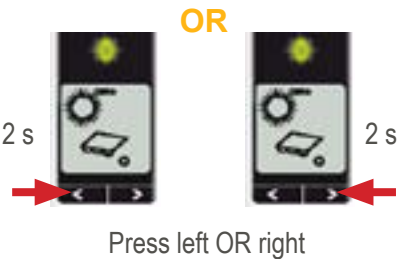
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Error messages on the Easy Sun io

Reading error codes

When there is an exclamation mark on the screen, more information is available (number and symbols):



Symbol displayed	Warning	Meaning
	Local	The motor/receiver has been put in local mode by the local control and no longer responds to the automatic (central) control. Switch to automatic mode.
	Radio	In manual mode: Radio problem - the motor/receiver is not responding. The motor/receiver is out of range or is not switched on. Select another place to install the control. Check that the motor/receiver is switched on. In automatic mode: The Sensor Box io is not switched on. Insert the Sensor Box io into the wall socket.
	Obstacle	The product has been stopped by an obstacle. Remove the obstacle. If the obstacle is detected during a ^ movement, activate a v movement to clear the alarm.



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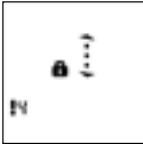
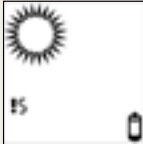
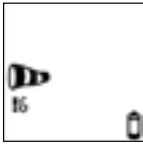
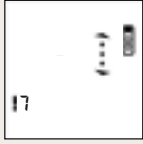
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Symbol displayed	Warning	Meaning
	Overheating	The thermal protector has been activated. The motor activates this safety device if it is overloaded. Let it cool down for at least 15 minutes.
	Sunlight sensor batteries almost spent.	Replace batteries with an identical type. See instructions for information about battery type.
	Wind sensor batteries almost spent.	Replace batteries with an identical type. See instructions for information about battery type.
	Command interrupted	The motor/receiver has been put in local mode by the local control and no longer responds to the automatic (central) control. Switch to automatic mode.
	Security key	The motor/receiver and the Easy Sun io have different security keys.
	Wind sensor	The sensor cannot be associated or is not transmitting a signal.
	Sunlight sensor	The sensor cannot be associated or is not transmitting a signal.



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 - Screen details
 - Modifying groups
 - Modifying the group symbol
 - Activating the Easy Sun io in DEMO mode
 - Restoring the factory settings on the Easy Sun io
 - Replacing the batteries in the Easy Sun io
 - Troubleshooting
 - Error messages
 - Keytis 4 io or Keytis 4 Home io
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Symbol displayed	Warning	Meaning
!!3	Sunlight sensor busy	The sunlight sensor is communicating with another control point.
!!4	Wind sensor busy	The wind sensor is communicating with another control point.
!!5	Sunlight sensor reset.	Unpair the sensor from the Easy Sun io.
!!6	Wind sensor reset.	Unpair the sensor from the Easy Sun io.
!!9	Other	Other error messages.



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Controls with feedback function: Keytis 4 io & Keytis 4 Home io



Introduction

The Keytis 4 io and Keytis 4 Home io are pocket remote controls for controlling up to four products such as garage doors, gates, roller shutters, lights, skylights, etc.

- The keypad on the remote control can be locked to prevent accidental operation.
- Code entry option (like the PIN code on a mobile phone) for extra security if the remote control is lost.
- Visible and audible feedback.
- Low battery indicator.
- Can be customised with coloured clips.

The Keytis 4 Home io also has a central closing button to close all of the entrances to the house with just one press.



Keytis 4 io



Keytis 4 Home io



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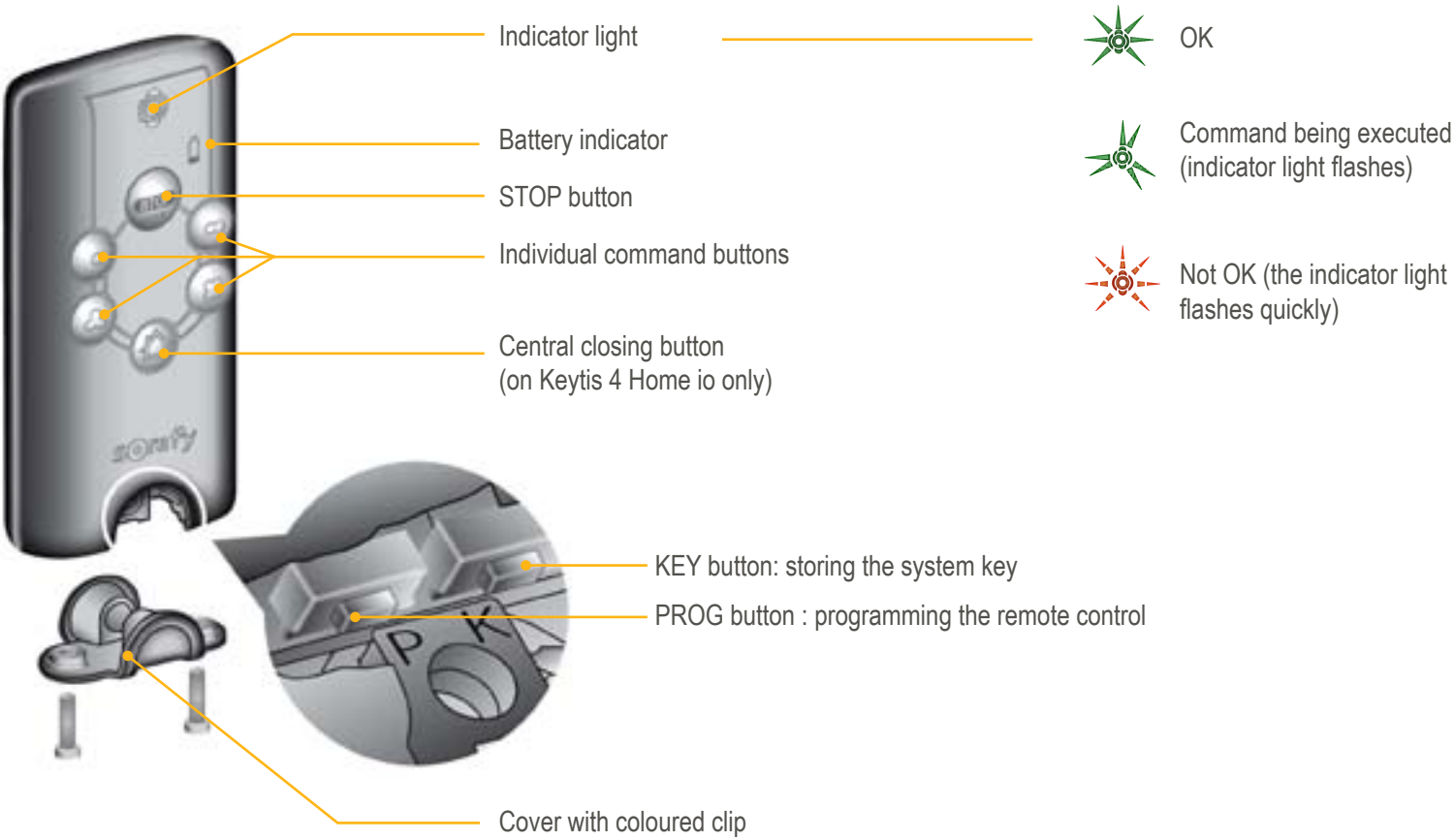
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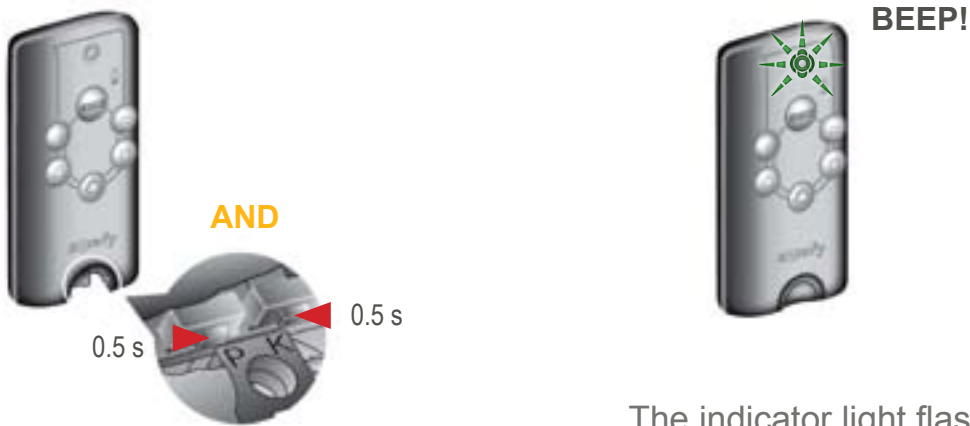
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Restoring the factory settings on the Keytis 4 (Home) io

 CAUTION: This reset deletes all of the motors previously assigned to the remote control and initialises the system key.

Briefly press the KEY and PROG buttons on the Keytis 4 (Home) io simultaneously:



The indicator light flashes and the remote control beeps

- Verification: the remote control flashes orange when a button is pressed.

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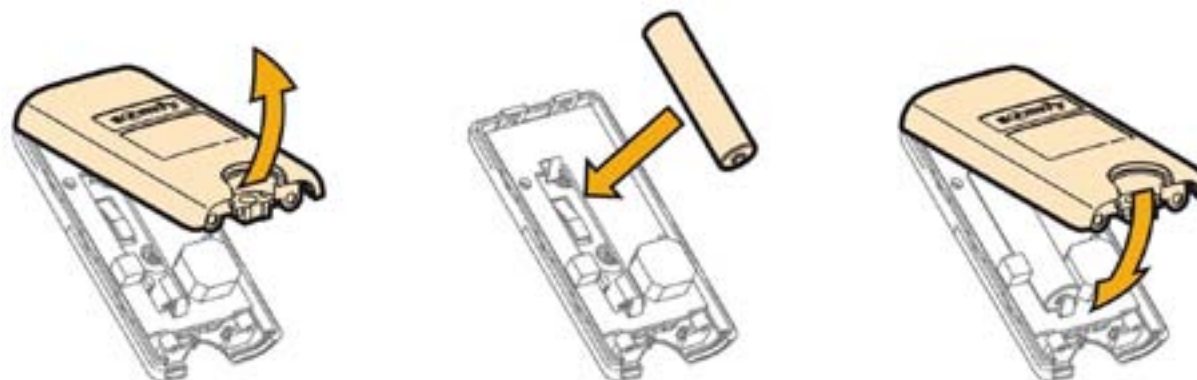
Replacing the battery in the Keytis 4 (Home) io



CAUTION: Batteries or accumulators have to be separated from other types of waste and must be recycled through your local treatment and recycling system.

If the "low battery" indicator lights up, the battery must be replaced.

- Unscrew the cover on the Keytis 4 (Home) io.
- Unclip the front cover.
- Remove the battery and insert 1 AAA (LR3) 1.5 V battery following the polarity indicated.
- Clip the cover back onto the Keytis 4 (Home) io.
- Screw the cover back down.



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Controls with feedback function: Telis Composio io



Introduction

The Telis Composio io is a remote control used to centralise and control the movement of entrances (gates, garage doors) and doors and windows in the house by zone (ground floor, upper floors, façades exposed to wind or sun, etc.).

- All of the products in the same group can be lowered, raised or moved to a favourite position simultaneously.
- The sunlight function can be controlled for each group.
- The screen shows all of the groups at a glance.
- Feedback with easy location of any operating faults.
- Choice of three finishes (Pure, Silver Mat and Pearl).

Technical data

Radio frequency	868-870 MHz, tri-band io-homecontrol® two-way, with LBT (Listen-Before-Talk) (searches for an unoccupied radio frequency prior to transmitting).
Range	20 m through 2 concrete walls, 40 m with an io Repeater
Protection rating	IP 30
Operating temperature	0°C to + 60°C
Telis Composio io dimensions in mm (h x w x d)	200 x 52 x 22
Mount dimensions in mm (h x w)	77 x 29
Power supply	3 AAA (LR03) 1.5 V batteries
Maximum number of associated io motors or receivers	40

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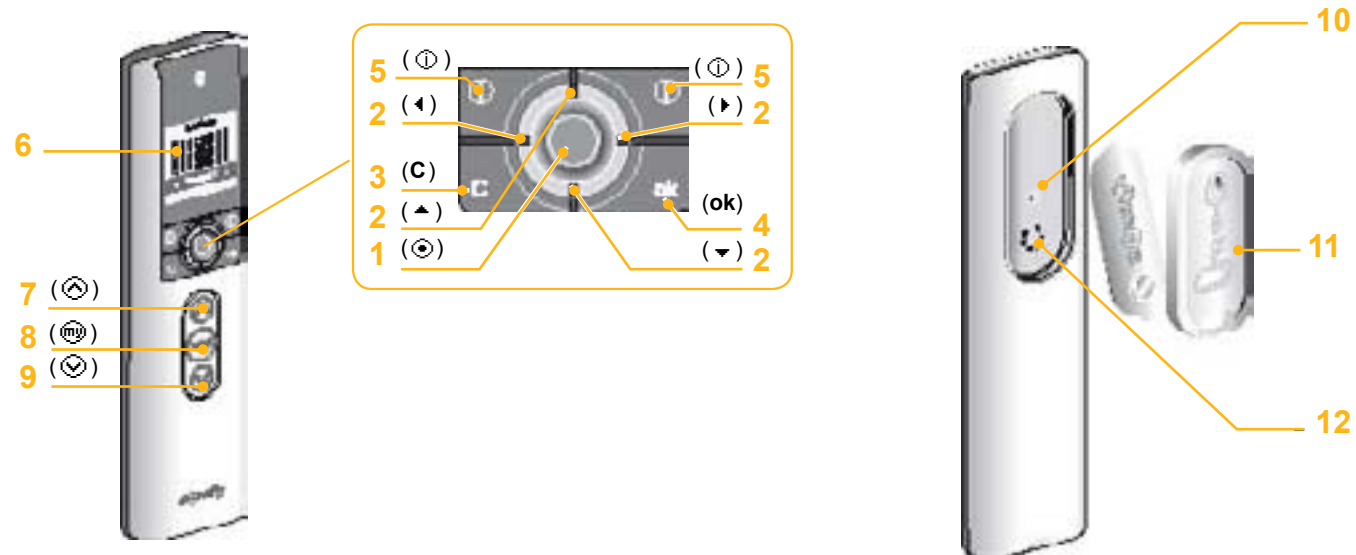
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Description of the Telis Composio io



1. (●) selection button: used to select an item when the cursor is over it, or to access the next screen.
2. Arrow button: The arrow buttons are used to move the cursor to access the menus and submenus or to scroll through the various Telis Composio io programming and setting choices.
 - up (▲)
 - left (◀)
 - right (▶)
 - down (▼)
3. (C) button: Cancel or return to a previous screen. Press (C) as many times as necessary to return to the main screen.

4. (ok) button: used to confirm an action or access the next screen.
5. Help/Information on the screen displayed (i)
6. Screen
7. Up order (▲)
8. Stop order and favourite position (■)
9. Down order (▼)
10. Programming button (Prog.)
11. Wall mount
12. Wall mount housing



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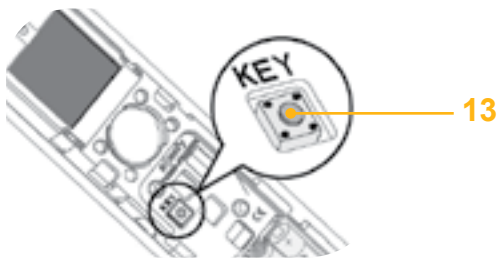
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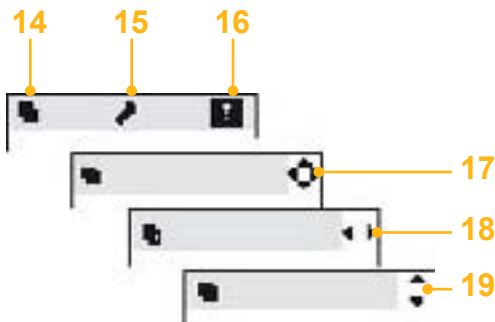
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13. KEY button (Key ): Copies or receives the safety key.

Description of symbols used in Telis Composio io menus



14. Groups

15. Settings

16. Defects

The arrow symbols 17, 18 and 19 show that you can move through the screen in the direction of the arrows shown to access additional parameters not visible on-screen.

Settings required ():
The end limits must be set.

Zapping	
All (2)	
	-> Sunea io
	-> Okimo io

Double cutout () =
The motor is set.

Zapping	
All (2)	
	Sunea io
	Okimo io



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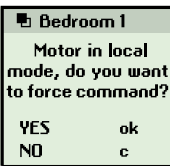
Telis Composio io screen details



Set up.



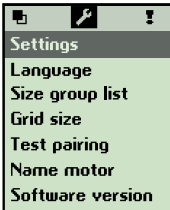
Naming a group.



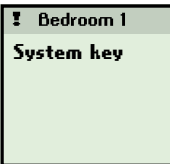
Possibility of overriding a local control.



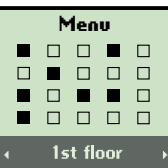
Selecting the language.



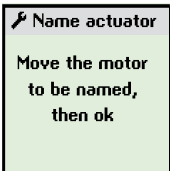
Settings menu list.



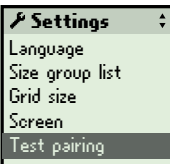
System key fault.



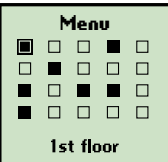
Selecting groups with the (◀▶) buttons.



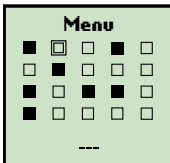
Detecting the motor.



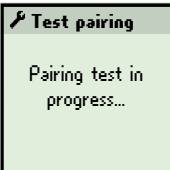
Selecting the pairing test menu.



Selecting the group from the matrix with (↻).



Selecting a blank box to name.



Test in progress on all paired end-products.



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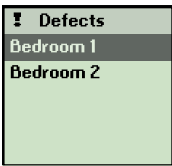
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Executing current order.



Fault location information.



Selecting the listing of the last groups used.



Order execution confirmation.



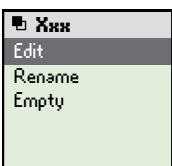
Viewing the fault list.



Selecting the matrix display size.



Indication of number of problems and group affected.



Editing, renaming or deleting a group.



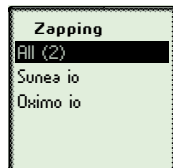
Displaying the matrix size in 40 groups.



Entering or selecting a group name.



Adding or deleting items from a group.



Autoscan mode.



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Creating and modifying groups in the Telis Composio io

Creating a group

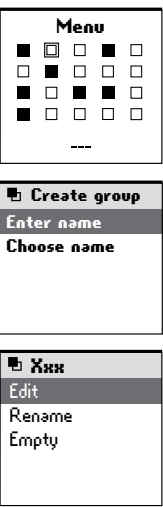
There are two ways to create a group, either automatically when you add an end-product, or by selecting an empty box from the matrix.

The group's position in the matrix can help to memorise groups. For example, the first line may represent the ground floor or the roller shutters.

When setting up the Telis Composio io, each of the motors and receivers associated with the remote control is automatically placed into a group with the same name as the motor or receiver it contains.

When a motor or receiver is added, a new group with its name is created.

Adding a group from the matrix



- 1) Using the (↔) buttons, select a blank box directly from the matrix.
Confirm by pressing (⊙) or (ok).
- 2) Select **"Enter name"** or **"Choose name"** and confirm by pressing (⊙) or (ok).
- "Enter name"**: enter the group name and confirm it by pressing (ok).
"Choose name": choose the group name from the list and confirm by pressing (ok).
Confirm by pressing (ok) to move to the next step.
The name can be changed.

Note: "Xxx" corresponds to the new group name.



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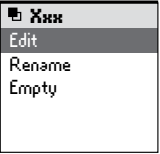
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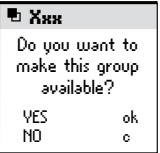
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- 3) Select **"Edit"**:
see the *"Modifying groups"* section below.



Select **"Rename"**: return to the **"Enter name"** or **"Choose name"** selection screen.

Select **"Empty"**: this lets you delete the name and contents of the group.
The next screen asks for confirmation.

To go back to the standard screen, press **(c)**.

Modifying groups



- 1) Select the group from the matrix:
Using the (↺) buttons, select the box for the group or select its name from the list, then confirm by pressing (⊙) or **(ok)**.
- 2) You can add or delete motors or receivers by checking or unchecking their name in the list and pressing (⊙).
Confirm the list by pressing **(ok)**.



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Feedback from the Telis Composio io

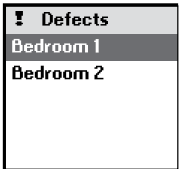
The Telis Composio io provides you with information on movement in progress and confirms that all end-products have correctly reached their chosen positions.



If a problem occurs, the Telis Composio io tells you the name of the affected motor or receiver and the type of fault.
The fault is also indicated by the indicator light flashing orange.



To locate and identify the type of fault, simply press **(ok)**.
The name of the faulty motor or receiver is displayed.
Select the faulty motor or receiver.
Press the **(ok)** button again.
The reason for the fault is displayed.
Press **(ok)** once again to return to the list of faulty motors or receivers.



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List of possible faults

Display	Cause of the fault
Obstacle	Stoppage caused by an obstacle. The end-product has encountered an obstacle. If the obstacle was encountered going up, send a down order to clear the fault.
Thermal	Motor thermal cut out. After excessive use, the motor cuts out to protect itself. Let it cool down for 15 minutes.
Local	Motor or receiver in "Local" mode (refer to the specific information below).
Radio	Motor or receiver does not respond, the motor or receiver may be out of range or not powered.
Fault	Other faults not listed here.
Order interrupted	Different order sent by another control point.
Door open	Door open condition detected (for the lock control unit).
System key	The remote control and the motor or receiver do not have the same system key.
Wind	Active wind order.
	The motor does not respond and no error message is displayed. Either the motor is not paired with the remote control or it is not assigned to a group. See section "Creating and modifying groups".

The fault remains displayed on-screen until the display switches off (after 3 minutes). It is however possible to view the fault triggered by the last order sent by going to "Menu > ! Defects" (the fault is stored until the next order is sent).

