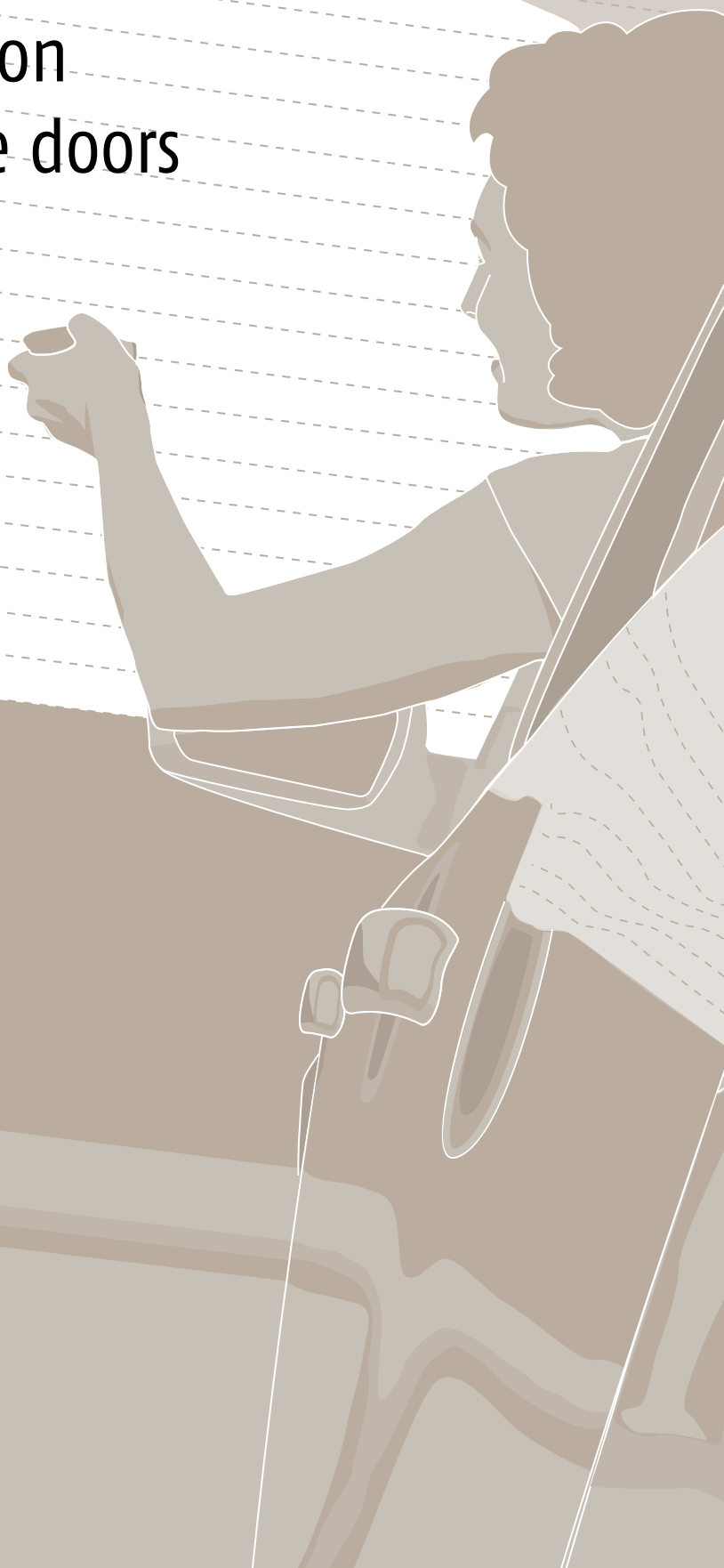


Axroll^{NS}

The global solution for rolling garage doors



HOME
MOTION BY

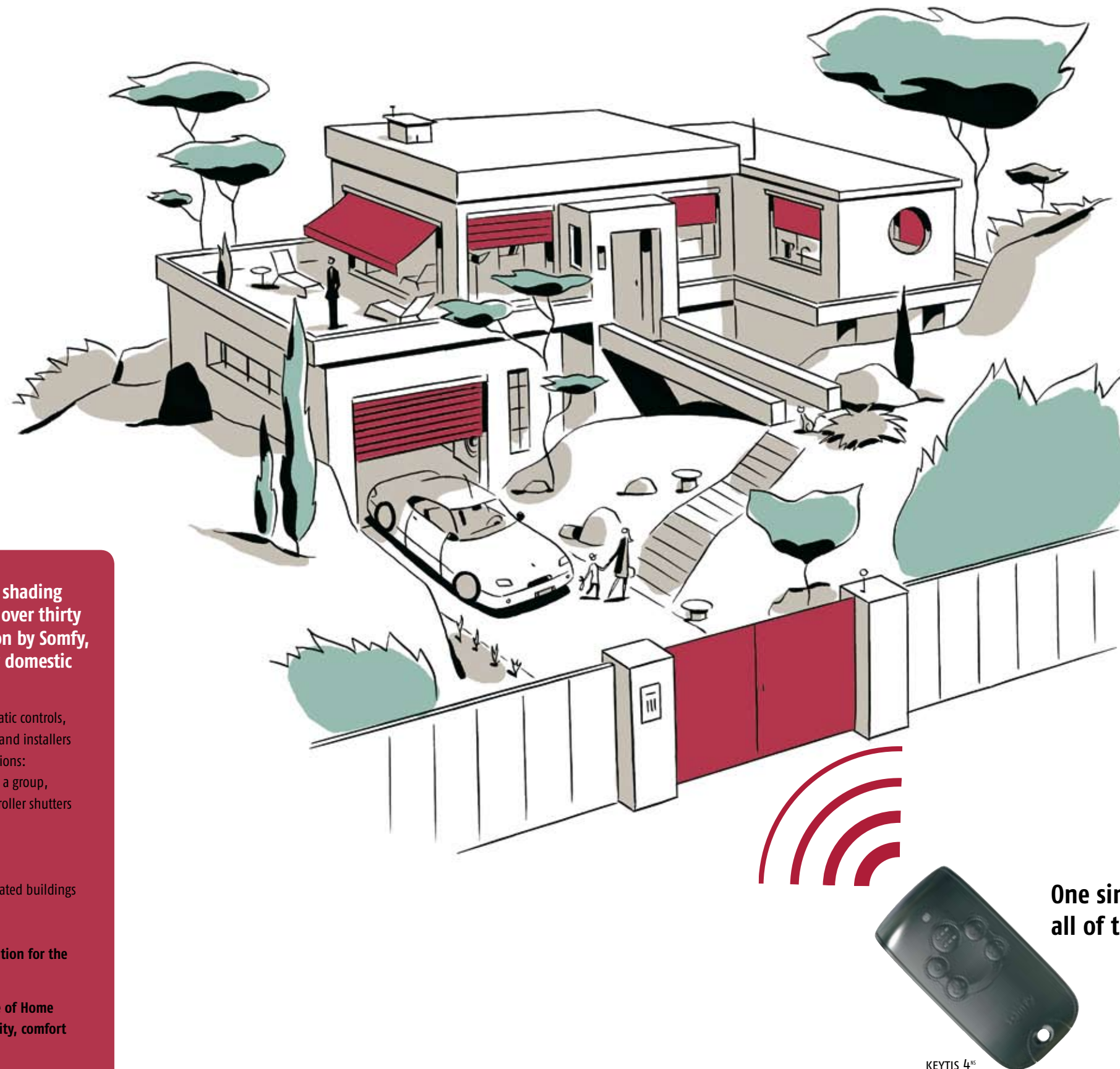
somfy[®]

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Home Motion by Somfy: a new concept of comfort for your home

Radio Technology Somfy® : the essential radio standard for your home



Somfy, innovators of motorised shading devices, blinds and closures for over thirty years, have created Home Motion by Somfy, a new concept in contemporary domestic comfort.

By coordinating motors, manual and automatic controls, Home Motion by Somfy provides consumers and installers with a new choice of practical, reliable solutions:

- roller shutters controlled individually or as a group,
- automatic controls for operating blinds or roller shutters depending on the weather,
- remote-controlled garage doors and gates

But, also ...

- simple installation in both new and renovated buildings and homes, due to radio solutions.

With Axroll, Somfy offers a universal solution for the motorisation of rolling garage doors.

It provides each user with the experience of Home Motion by Somfy, providing more simplicity, comfort and safety.



Radio Technology Somfy® was launched 15 years ago. With more than 4,000,000 systems installed with Radio Technology Somfy® throughout the world, RTS has become the secure radio controls reference.

Add value to your installations

Simplified installation: Save time with reduced wiring, making the installation quicker.

Added value: You have the opportunity to increase sales with high added-value remote controls, radio accessories, etc.

Product upgradeability: Increase your turnover by offering your customers the option of fitting all the doors and windows in their homes with RTS technology.

Bring more comfort and security to your clients

A system that makes life easy: with a 200 metre range in free space and a 20 metre range through two concrete walls, the RTS technology allows you to efficiently operate your automatic controls.

A secure system: a rolling code with 16 million combinations makes the RTS remote completely secure. Due to a narrow bandwidth, there is no risk of interference with other systems: mobile phones, televisions, WiFi, Bluetooth, etc.

One single remote to control all of the home openings

KEYTIS 4^{RS}

Somfy motorisation solutions: professional ranges dedicated to professionals

A complete offer dedicated to professionals

- **Axovia range** for gates
- **Dexxo Pro range** for garage doors
- **Axroll range** for rolling garage doors
- **An extensive range of remote controls and radio accessories**



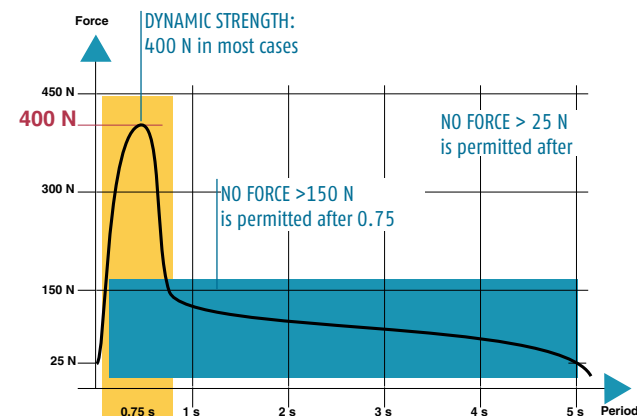
An offer that is fully compliant with the latest European standards

- All Somfy motorisation solutions comply with the standards related to special safety rules for door and gate motorisations (EN60335-2-95 for doors and EN 60335-2-103 for gates). Somfy motorisation solutions, if installed in accordance with the instructions and check sheets, are fully compliant with European standards EN13241-1 and EN12453.
- Incorporation certificates based on Initial Tests Reports (ITRs) drafted by approved independent bodies are available via the www.somfy.com internet site or on request directly to us.
- Somfy offers a complete guide to the relevant standards and their application as well as tools (check list, strain measurement tools) intended to facilitate implementation of our products.



The normative requirements for garage doors

- **Requirements relating to the limiting of forces**



OBSTACLE DETECTION DEVICES

IMPORTANT :

If any of the obstacle detection devices fail, (sensor bar, photo-electric cells, automatic door controls, etc.), the door should revert to a «fail-safe» mode, in other words prevent any automatic or impulse operation or only permit operation with a control in a maintained position, within view of the product.

Axroll^{NS}



The overall Axroll^{NS} solution for rolling garage doors complies with European standards

EUROPEAN STANDARD EN 60335-2-95 IS THE REFERENCE DOCUMENT THAT COVERS GARAGE DOORS FOR RESIDENTIAL USE.

For information purposes, the essential items in the standard are:

Main normative requirements automated rolling garage doors	Solutions provided by Somfy to meet these requirements
The standard stress limits: In order to prevent any injury in the event of contact with the door, the impact force on an obstacle must be less than 400 N after adjustment and less than 25 N for a static force.	The complete solution for Somfy rolling doors with CSI wired motor + Axroll receiver + Somfy sensor strip ensures the stress force is less than the limits imposed by the European standard.
Manual operation in the event of a breakdown: Manual operation of the garage door must be possible in the event of a power cut.	The Axroll solution combined with a Somfy motor drive with a built-in emergency control enables the door to be operated from the inside.
Positive safety: The door will not operate if the safety devices are not operational.	The Axroll receiver has a self-test system to check the presence and the proper operation of the safety accessories on each opening and closing cycle.

Concerning rolling garage doors:

Anti-fallback device: The garage door must be in good condition and properly balanced. A counterbalanced rolling garage door, creating a force greater than 200 N under the last slat, must have a suitable anti-fallback device.
--

Choice of safety systems	accessories required with:	Operation of the door in sequential mode	Operation of the door in automatic mode
In certain installation configurations (for example a door opening onto the public highway), the use of safety accessories may be required: photo-electric cells, flashing lamp, etc.	Garage door not opening onto the public highway:	-	
	Garage door opening onto the public highway:	With 2 sec warning	With 2 sec warning

Why choose a rolling garage door

Ideal for new or reburbished garage door projects

Installation:

A rolling door is similar to a roller shutter. Installation is therefore simple and faster (approximately 2 hrs) than a standard garage door. The shutter rolls up vertically and takes up very little space directly behind the lintel.

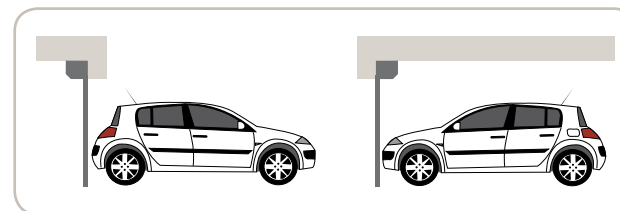
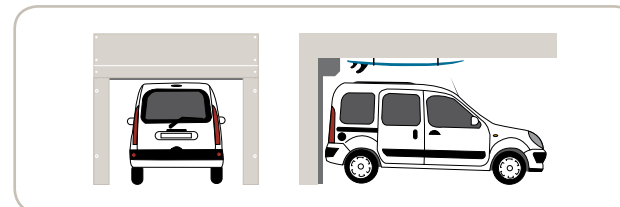
Requires little space:

Efficient use of the storage space in the garage:

- Clear ceiling (for roof bars and roof racks, sports equipment, etc.)
- No outward projection. Ability to park a vehicle next to the door with no risk of contact as it does not project outwards.

Attractive aspects:

- Full use of the garage opening height and width
- Possibility of fixing in a curved opening.
- Multiple colours and types of slats (vision, ventilation slats, etc.) available as required.



Axroll, the universal solution for rolling garage doors

The motorisation solution for rolling garage doors of any size and of any installation configuration

- Suitable for all types of rolling garage doors.
- Manual over-ride motors made for roller garage doors.
- Compatible with all Somfy remote controls, due to RTS technology.
- Simplified installation with factory-preset parameters to suit most installations. Just pair the remote control and it works!
- The LCD display and its menus enable an optimised configuration of the system and also provide feedback for maintenance self-diagnosis.
- Direct compatibility with the safety accessories (resistive, opto-electronic sensor bars) to allow easy installation that complies with the latest European standards.



RDO CSI

For manual operation in the event of a power cut



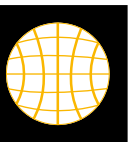
Axroll^{NS} RTS

For an installation complying with the latest European standards

Safety accessories

- Sensor bars
- Anti fallback prevention

A wide choice of remote controls for all lifestyles:



UNIVERSAL



Radio Technology Somfy®



CONFIGURABLE



COMPLIANT

The Axroll^{NS} RTS receiver

For an installation complying with the latest European standards



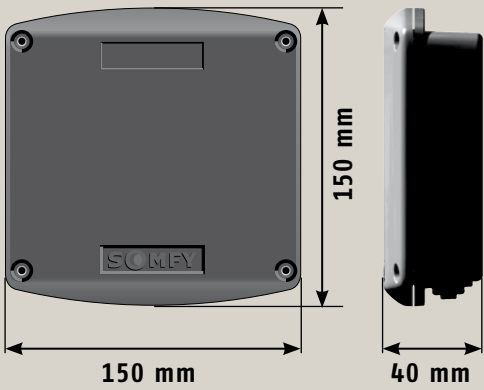
- Factory pre-set parameters for 80% of installations
- 3 available safety inputs (sensor bar, cells, etc.)
- Direct compatibility with resistive and opto-electronic sensor bars
- LCD display and menus for optimised programming
- Max. power of motor connected: 750 W
- Automatic switchover in mixed mode (with a remote control) in the event of the safety accessories failing



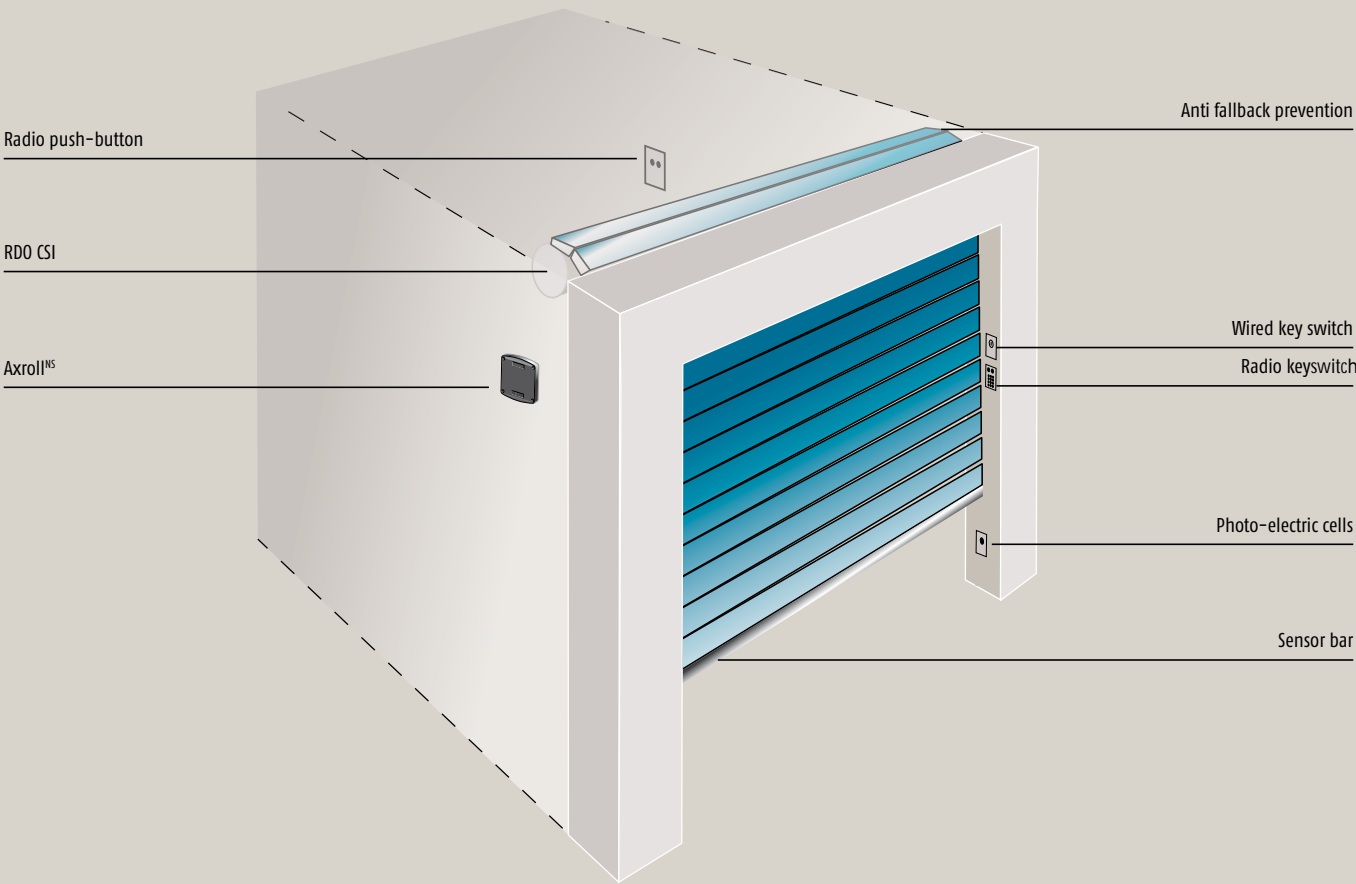
Technical characteristics

Power supply	230 Vac 50 Hz 3 A
Fuse	5 AT 250 V
Max. motor power	230 Vac, 750 W
Compatible only with tubular motors with built-in limit switches	
Accessories supply	24Vdc
Maximum accessories current (cells, keypads, sensor bars, orange lamp)	330 mA
Orange lamp	4 V-10 W max or 230 V-40 W max
Zone lighting	230 Vac, 500 W
Auxiliary outlet	NO Contact - 250 Vac, 500 W
Value for resistive sensor strip	From 4 to 12 kOhms
Radio frequency	433.42 MHz RTS
Operating temperature	-15°C à +55°C
Degree of protection	IP55
Use category	1
Range	60m in open areas
Size of casing	150x150x40 mm
Weight of casing	680 g
Guarantee	30 months
Maximum number of channels	32

General overall size



Type of installation



Radio remote controls



KEYTIS 2^{NS} RTS
RTS 2-channel remote-control. Stored in the car or hung up with the house keys, it controls the garage door and the gate. Supplied with 4 coloured clips to allow customisation of the remote control (black, brown, blue, green).
Secure rolling code
Range: 30 metres average
Frequency: 433,42 MHz
Power supply: Lithium batteries, model 2032 (also compatible with model 2430)
Battery life: 2 years (for approximately 6 opening/closing operations per day)
Operating temperature: -20°C to +60°C
Protection factor: IP40
Size: 69 x 41,5 x 13,7 mm

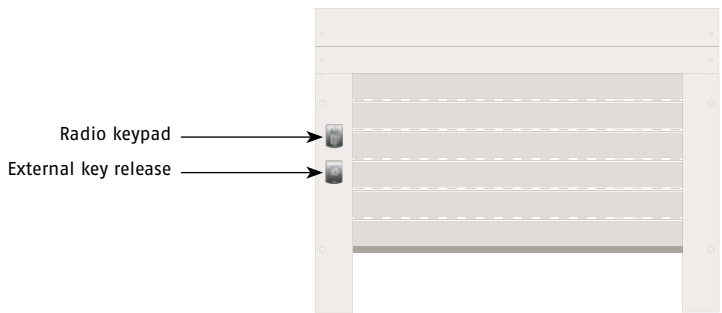


KEYTIS 4^{NS} RTS
RTS 4-channel remote-control. Stored in the car or hung up with the house keys, it controls the garage door and the gate and an additional 2 automatic controls of your choice (lighting, roller shutters, etc.).
Locking function: prevents accidental button press
Anti-theft function: confidential 4-digit code
"Battery low" indicator
Supplied with 4 coloured clips to allow customisation of the remote control (black, brown, blue, green)
Secure rolling code
Range: 30 m average
Frequency: 433,42 MHz
Power supply: Lithium batteries model 2430 (also compatible with model 2032)
Battery life: 2 years (for approximately 8 opening/closing operations per day)
Operating temperature: -20°C to +70°C
Protection factor: IP40
Size: 84 x 43 x 16 mm



TELIS 4 RTS
RTS 5-channel radio remote-control. It can be used to control individual, zonal or groups of products.
Secure rolling code
Range: 200 m in open areas and 20 m through 2 reinforced concrete walls
Frequency: 433,42 MHz
Colors: Silver/Lounge/Patio
Protectionfactor: IP44
Impact and water-resistant
Supplied with wall bracket
Size: 145 x 49 x 22 mm

Additional control accessories



RTS RADIO KEYPAD
Access control device to ensure secure entry. The radio keypad can control up to 2 gate and garage door applications by entering a PIN code.
Simple installation: no wiring required.
Simplicity of use: illuminated keys, a different code for up to 5 users, "Battery Low" indicator.
Power supply: lithium battery model 2450 included with the keypad.
Security guaranteed: 4-, 5- or 6-digit PIN code (2 million possibilities), reliability of RTS technology.
Number of channels: 2
Size: 105 x 75 x 25 mm
Frequency: 433,42 MHz
Range: 30 metres
Operating temperature: -20°C to +60°C
Protection factor: IP54, tropicalised electronic components



RTS RADIO PUSH BUTTON
This is a two-channel interior radio switch, which can control the gates/garage door independently or simultaneously.
The push button is wireless and therefore very easy to install.
Power supply: Lithium battery, model 2032 (also compatible with model 2430)
Number of relays: 2
Frequency: 433,42 MHz
Battery life: 2 years (for approximately 6 opening/closing operations per day)
Operating temperature: -20°C to +60°C
Protection factor: IP54
Size: 105 x 75 x 25 mm



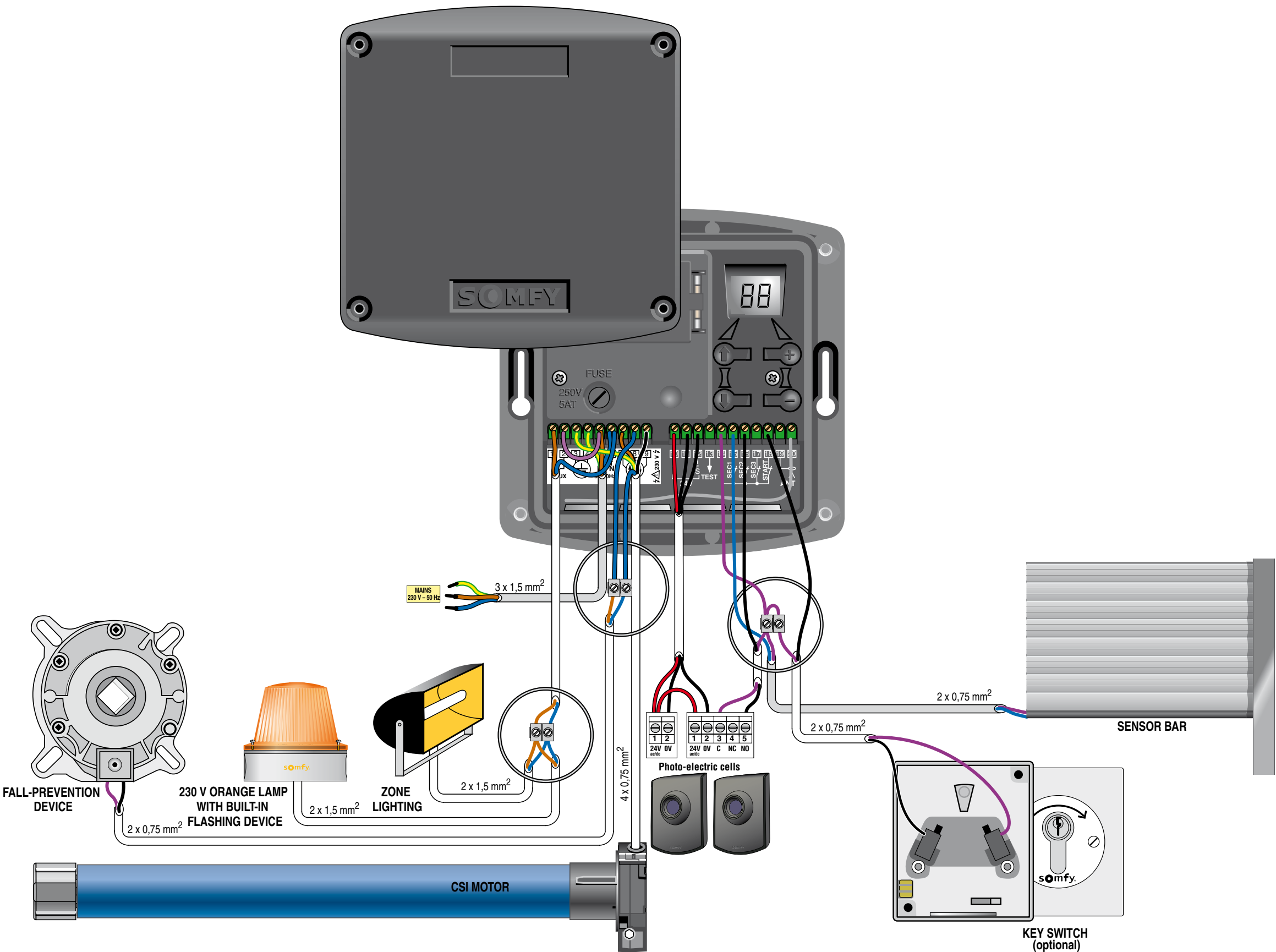
WIRED KEYPAD
Access control device to ensure secure entry to a property. The wired keypad can control up to 2 gate and garage door applications by entering a PIN code.
Illumination of keys
Materials: metal, vandal-resistant
Weatherproof
Buzzer function: audible beep whenever a key is pressed
Power supply: 10,5 à 48 Vdc / 9 to 32 Vac
Number of relays: 2 control relays, 1 dry contact NO/NC
Consumption when idle: 8 mA
Consumption with 1 relay: 23 mA
Consumption with 2 relays: 42 mA
Number of user codes: 50 per relay
Cable length: 3 metres
Size: 110 x 92 x 16 mm
Operating temperature: -20°C to +70°C



WIRED KEY CONTACT
This switch can be used as a secure option to open the gate partially (pedestrian access) or fully using a key. Surface-mounted at the entrance to the property, the key switch is weatherproof (IP54) and supplied with 3 keys.
Max. switching current: 16A
Number of contacts: 2
Size: 105 x 75 x 25 mm
Degree of protection: IP54

Installation diagram

Cable characteristics for each accessory



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