





Whatever the latitude or season, controlling light and heat while preserving natural resources is an essential human need. This is the same at home, at work, at school, at the hospital and wherever buildings accommodate human activities.

. . .

That is why we create the means to control the solar protection of buildings, ensuring the well-being of those who live there paying constant attention to energy performance.

000

We support the needs of facilitated management of buildings by providing connected solutions, accessible on-site or remotely.

We allow everyone to determine their own thermal and visual comfort: a simple movement is enough to control natural light, modulate heat and ensure privacy.

 $\bullet \bullet \bullet$ 

By creating solutions in the service of the users, we contribute to improving efficiency at work as well as the quality of care and learning, thereby contributing to better health.

In association with those who design, build and manage buildings, and together with our solar protection partners, we provide open and scalable solutions that meet all energy performance and comfort needs.

#### animeo Connect io

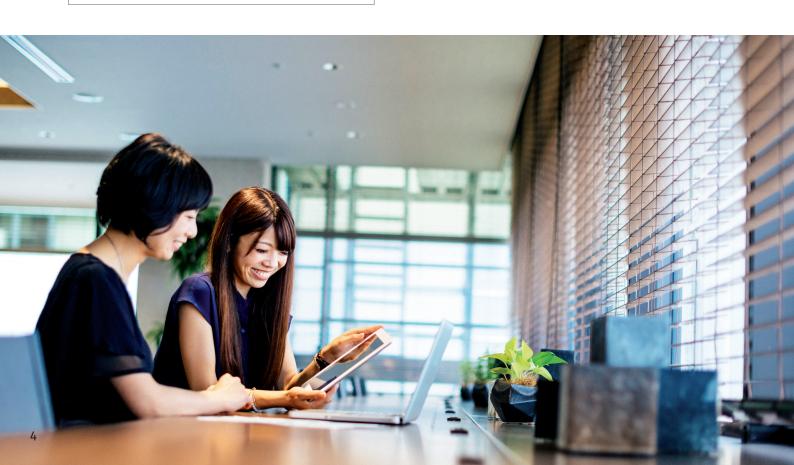
With **animeo Connect io**, Somfy offers advanced and fully-connected control of solar protection systems, which significantly enhances the possibilities for saving energy and increasing the comfort of occupants. Thanks to this smart control solution, everyone can confidently manage the energy performance of their building's façades as they wish.



A fully scalable and upgradeable solution, which can be integrated without motor or zone limits, into all types of buildings and benefits through the reliability of the io protocol. A new opportunity to efficiently and sustainably control your building's solar protection.



The benchmark wireless radio communication technology: maximum data security and reliability of carrying out orders with feedback.





#### A scalable & upgradeable solution

Thanks to Somfy solutions you get a unique opportunity to build-up a complete connected, flexible, evolutive ecosystem for best highest well-being safety and peace of mind of the occupant.

# The advantages for OCCUPants

# Enjoy assisted adjustment of the natural light in your environment

Inside buildings **animeo Connect io** offers automatic control of solar protection based on the brightness and the weather conditions, freeing the occupants from this worry and offering them an optimal environment in which to work and concentrate.

We were in the dark every day before.

Now, I no longer need to think about solar

protection. Thanks to automatic

management, we have improved our

conditions for learning and teaching."





#### Regulate the level of brightness yourself

animeo Connect io offers a wide range of easily accessible control points to override the automatic management at any time: remote controls, wall control points or virtual controls.



I would like to have the option of overriding the automatic management with an accessible control point."



#### Access online services and feedback

animeo Connect io also offers an accessible virtual control that can be accessed online via your computer or your smartphone with the touch of a finger, to control your blinds but also get useful feedback in real time with "myfeedback": if there is ice or wind which is too strong to lower the solar protection system, if there is an ongoing window washing operation or to confirm the position and orientation of your blinds.



I want to know why I can't change the position of my blinds.

# The advantages for building managers

# Effectively supervise and control your installations

animeo Connect io provides a single and customised interface to monitor and control the status of installations in real time and remotely, manage the preferences of occupants and control the different levels of access.

6 6 Previously I had to go to each place to check the status of my installations. Now I can remotely access all my systems."





# Adapt and upgrade your installation

The solution offers access to data backup, which makes it possible to adapt the settings to the habits and uses of occupants. The solution also enables you to easily rearrange your installation if the building changes. And updating product software is easily done via the network.



Reorganising areas can be problematic in terms of configuring the blinds. I want to be able to upgrade my installation easily. "



# Enjoy a remote diagnostic report and pro-active assistance

The **animeo Connect io** solution provides preventive maintenance for the motors and notifies the building managers if there is an incident, as well as providing immediate and remote support from Somfy experts, in order to anticipate any potential inconvenience to occupants as best as possible.



If there is an incident, I am the first to be informed. I receive a notification which enables me to anticipate and avoid complaints from occupants."

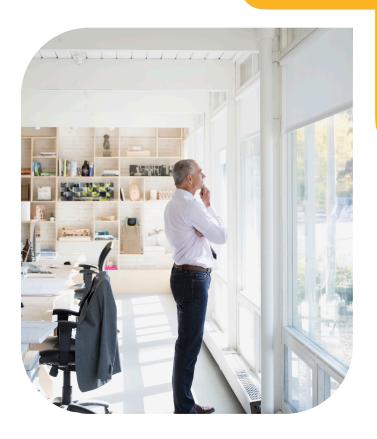
# The advantages for instalers

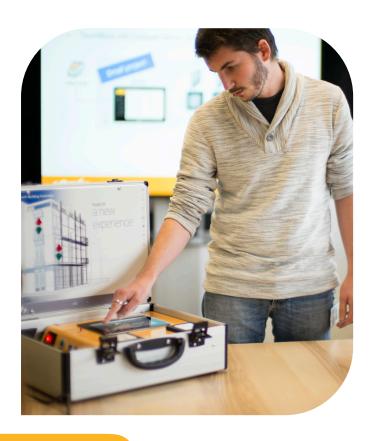
# Enjoy a complete solution that covers all needs

animeo Connect io takes into account all of the needs expressed by both the engineering board and the investor, based on how the building is used. Compatible with all internal and external solar protection systems, the solution enables you to manage an unlimited number of zones in buildings of any size.



I want a unique and upgradeable range covering all of the project opportunities presented to me."





#### Get support at all stages by Somfy services

The **animeo Connect io** solution guarantees assistance at all stages of the project, from the specification to the commissioning and maintenance, with the option of getting support from the Somfy technical teams with remote access.



The Somfy teams are available to support me remotely, thus reducing my travel times and avoiding bothering my clients at the same time."



#### Simplify and secure the installation

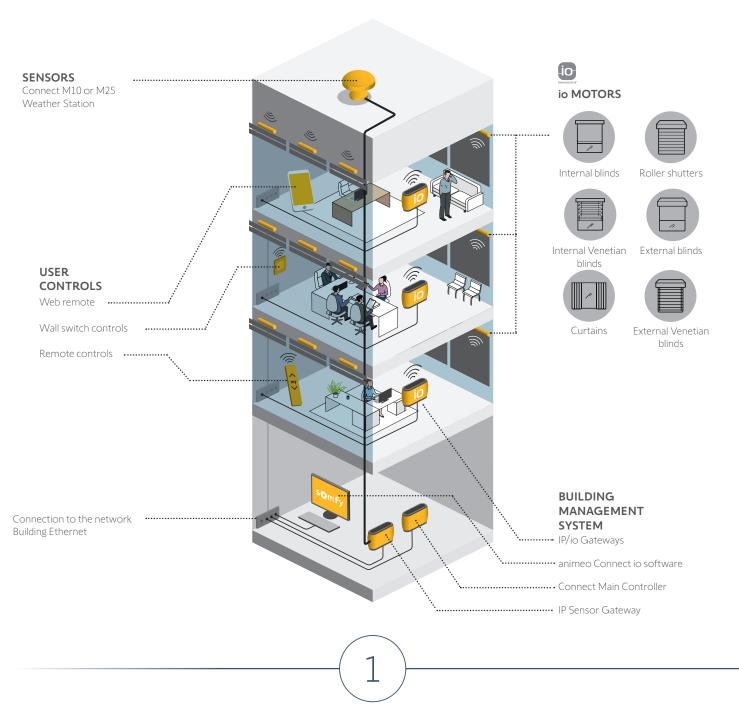
Because of its very compact design, the solution is easily integrated into any type of environment. Wireless technology makes it possible to enjoy the advantages of radio at a local level (motors, user controls and Connect IP/io Gateways communicate wirelessly) while reducing wiring time. Reliability is guaranteed by wired cabling for the system (Connect Main Controller and Weather Station).



I need simple products to install in all configurations and reduce my installation time as much as possible."

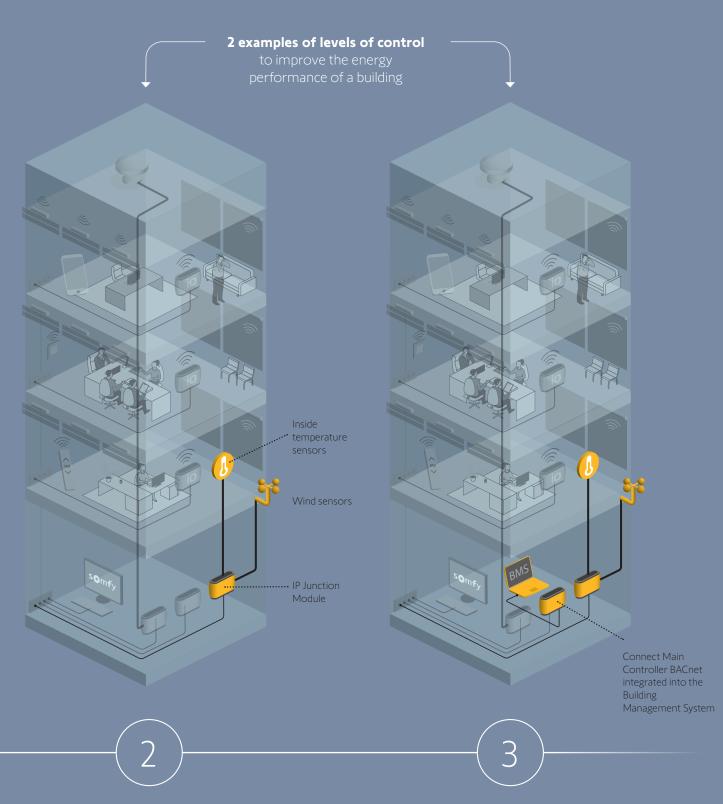
### System architecture

A platform shared by all offers and motorisation and control solutions for all needs.



AUTOMATIC CONTROL OF THE BLINDS

#### A flexible system based on needs related to the project



AUTOMATIC CONTROL OF THE BLINDS

+ Energy optimisation

#### AUTOMATIC CONTROL OF THE BLINDS

- 🕂 Energy optimisation
- Integration into a Building Management System

### **Energy** benefits

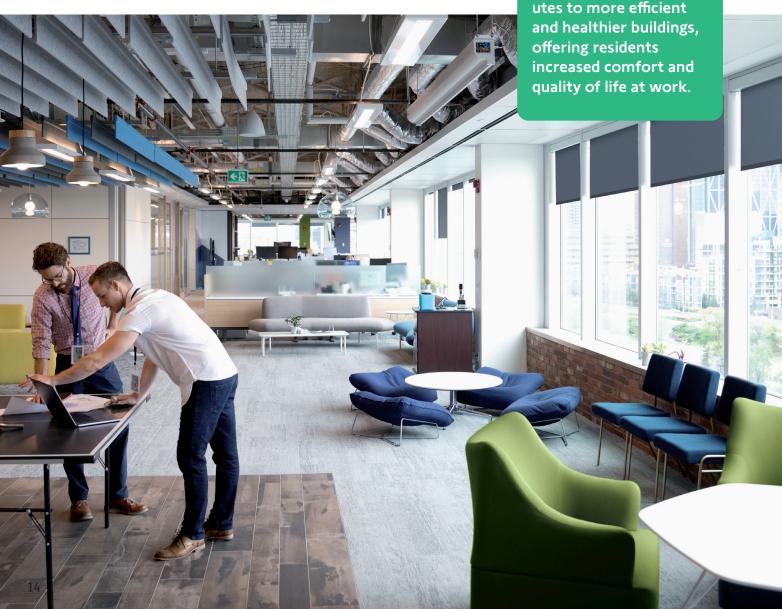
# **Contribute** to better energy performance for the building

animeo Connect io is now the only solution on the market which makes it possible to precisely measure the energy intake on each façade of the building with an **unlimited** number of sensors and a new generation of patented M10/M25 Weather Stations.

By limiting the use of artificial lighting, heating and air conditioning, **animeo Connect io** provides a unique and complete solution to meet the requirements of both energy efficiency and the comfort of occupants.



- Thanks to the modularity of the products in the range, animeo Connect io allows you to adapt the energy performance monitoring through different levels of control.
- Thanks to the control permanently adjusted to take into account weather conditions and the real needs of occupants, it contributes to more efficient and healthier buildings, offering residents increased comfort and quality of life at work.



#### **Certifications & labels**

#### to highlight performance levels



#### Product environmental profile

**PEP ecopassport®** is an international reference programme to declare the environmental impact of electrical, electronic and climate control products. Find all the **PEP ecopassports** for the animeo Connect io solution, by selecting the company **Somfy** on **www.pep-ecopassport.org/find-a-pep** 



#### Product eco-design label

**Act for Green** is a voluntary initiative of Somfy which takes into account the environmental impact of products throughout their life cycle, from the extraction of raw materials to the processing of the product that has arrived at the end of its life cycle, and also the manufacturing, shipping and usage.

The eco-design label **Act for Green** focuses on 5 areas of work: Electrical consumption - raw materials - electronic components - sustainability - packaging. Somfy undertakes to ensure that 80 % of the quantities sold in 2020 are certified **Act for Green**.



#### A label focused on the environment and profitability

The Solar Impulse Foundation has selected animeo Connect io as a solution that protects the environment while being economically viable and has given it the **Solar Impulse Efficient Solution** label.

This label seeks to bridge the gap between ecology and economy, by combining environmental protection and financial viability to demonstrate that these solutions are not costly solutions, but rather opportunities for healthy economic growth. For more information, go to <a href="https://solarimpulse.com/label">https://solarimpulse.com/label</a>



#### **Enjoy**

the technical expertise and know-how of Somfy's teams

- We offer an optimal automated solar protection solution for your building, whether it is new or being renovated.
- We answer your questions about managing your solar protection systems.
- We have designed a whole series of services to help you, including post-installation maintenance contracts.
- We offer a consultancy service (drawings, wiring plans, planning) during the initial stages of the project, when the installation takes place or for the maintenance of the system.

We seek tirelessly, through our products and our services and by our presence at your side, to improve the living and working environment, in particular in offices, schools, health establishments and homes.

#### Your partner at each stage of the project



Planning



- > Consulting
- > Production of 3D models and plans
- > Assistance during project meetings

The Somfy technical teams are at your service to assist you during the meetings before the project begins, in the presence of other consultants and experts, to meet the specific needs of each project.



Installation

- > Help with the installation
- > System integration
- > Commissioning

During the installation stage, we are available to provide you with different types of materials and services to suit your needs.



Maintenance



- > Maintenance contracts
- > On-site troubleshooting
- > System optimisation

In order to extend the life of the system installed and ensure optimal performance, complete maintenance is necessary. We adapt our services to your needs.





## AUTOMATIC CONTROLS p. 20 > 25

**MOTORS** 

p. 26 >34

**USER CONTROLS** 

p. 35 >41



# AUTOMATIC

#### SENSORS

- 21 M10 & M25 Weather Stations
- 21 IP Sensor Gateway
- Mast adaptor for Weather Station
- 21 Wall bracket for Weather Station
- 22 Metallic mast for Weather Station
- Kit Mast with 24 mm adaptor
- Connect Lightning Protection
- Socket Lightning Protection
- Housing for the Inside Temperature Sensor
- Inside Temperature Sensor
- 23 Eolis Sensor
- 23 Heated wind sensor
- 24 V Power Supply
- 24 V External Power Supply

#### BUILDING MANAGEMENT SYSTEM

- 26 Connect Main Controller
- 26 Connect Main Controller BACnet
- 26 IP/io Gateway
- 26 IP Junction Module
- 27 Surface-mounted key switch
- 27 Built-in key switch
- 27 24 V Power Supply
- 27 24 V External Power Supply

#### **AUTOMATIC CONTROLS - SENSORS**

#### M10 & M25 Weather Stations

Ref. 1860317 / 1860319

Weather Stations with 10 or 25 sensors. By collecting the information on different conditions (rain, brightness, infra-red, wind, etc.), they contribute in particular to the comfort of the occupant, reduced energy consumption and safety of the installation.

Dimensions	105 mm, 103 mm
Power supply	24 V DC
Mounting	Wall or mast mounted



#### ■ IP Sensor Gateway

Ref. 1860312

IPV6 Interface with 2 x RS485 ports, allowing to connect the Weather Station M10 or M25 to other IP devices.

Dimensions	133 x 86 x 44 mm
Power supply	24 V DC
Mounting	Wall-mounted and DIN rail



#### Mast adapter for Weather Station

Ref. 1860321

Makes it possible to attach the Weather Station to the metallic mast.

Dimensions	90 mm x 25/50 mm
Mounting	On a mast



#### ■ Wall bracket for Weather Station

Ref. 1860320

Accessory for façade mounting of the M10 or M25 Weather Station.

Dimensions	180 x 80 x 80 mm
Mounting	Wall



#### **AUTOMATIC CONTROLS - SENSORS**



#### Metallic Mast for Weather Station

Ref. 1860335

Kit including 3 metal pieces of 1 meter each to fix the masts on the roof.

Dimensions	3 x 1000 mm x Ø 50 mm
Mounting	On a mast



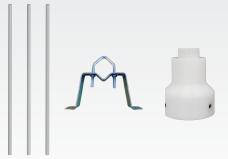
#### Kit Mast with 25 mm adaptor

Ref. 9027035

Kit including 3 metallic pieces of 1 meter each, a Wall Mount Bracket and a Mast Adaptor to fix the Weather Station M8 or M13 on a wall.

Dimensions Mast	3 x 1000 mm x <b>Ø</b> 50 mm
Power supply	N/A
Mounting	Wall-mounted

Dimensions Adaptor	H 90 mm x <b>Ø</b> 50 mm
Power supply	N/A
Mounting	On a mast



#### Connect Lightning Protection 1A

Ref. 1870448

Protection device against Lightning for M10 or M25 Weather Station.

Dimensions	45 x 51 x 12 mm
Mounting	DIN rail



#### Socket Lightning Protection

Ref. 9014897

Socket for the DIN-rail mounting and connection of the Bus Lightning Protection and the Lightning Protection 1A for M8 and M13 Weather Station.

Dimensions	50 x 90 x 12mm
Power supply	N/A
Mounting	DIN-rail



#### Housing for the Inside Temperature Sensor

Ref. 9008045

For surface mounting of the inside temperature sensor

Dimensions	75 x 75 x 25 mm
Mounting	Surface



#### ■ Inside Temperature Sensor

Ref. 9008044

Makes it possible to take the inside temperature into account to manage the building's energy. Delivered with a 1 meter cable.





#### Eolis Sensor

Ref. 9101479

Measures the wind speed.

Dimensions	160×236×40 mm
Power supply	230 V
Mounting	Façade or roof



#### Heated Wind Sensor

Ref. 9140180

Measures the wind speed in conjunction with the IP Junction Module. Integrated heating device to avoid freezing the sensor. Requires an external 24 V power supply.

Dimensions	190 x 48 x 240 mm
Power supply	24 V DC
Mounting	On a mast





#### **AUTOMATIC CONTROLS - SENSORS**

### 24 V power supply Ref. 1860303

Makes it possible to power the Connect Main Controller as well as the IP/io and IP Sensor Gateways. CE, RCM and UL compliant.

Dimensions	80 x 40 x 75 mm			
Power supply	24 V DC			



### 24 V external power supply Ref. 9017611

Makes it possible to power the heated wind sensor. CE compliant.

Dimensions	78 x 93 x 56 mm
Power supply	24 V DC
Mounting	DIN rail



#### AUTOMATIC CONTROLS - BUILDING MANAGEMENT SYSTEM



The PC user interface to create, configure, commission and supervise projects



#### Connect Main Controller/BACnet

Ref. 1860304/Ref. 1860329

IPV6 (Internet Protocol Version 6) automation manager providing advanced functions to control all types of blinds, curtains, rolling shutters or external Venetian blinds.

With the Bacnet version it is possible to communicate with a BMS (Building Management System).

Dimensions	133 x 86 x 44 mm
Power supply	24 V DC
Mounting	Wall-mounted and DIN rail



#### IP/io Gateway

Ref. 1860310

IPV6 (Internet Protocol Version 6) interface to convert the IP signal into an io signal. The io signal makes bi-directionality with all io motors possible as well as all of the io controls in the Somfy range.

Dimensions	133 x 86 x 44 mm
Power supply	24 V DC
Mounting	Wall-mounted and DIN rail



#### ■ IP Junction Module

Ref. 1860324

IP/Ethernet interface which makes it possible to connect key switches to secure and lock the blinds in the desired position. An inside temperature sensor as well as a wind sensor can also be connected to it.

Dimensions	133 x 86 x 44 mm
Power supply	24 V DC
Mounting	Wall and DIN rail



### Surface-mounted key switch Ref. 1841036 (pulse) / Ref. 1850038 (lock)

Double pulse switch to secure or lock the blinds in the desired position. Sold with 3 keys.

Mounting

Wall



### Built-in key switch Ref. 1850048 (pulse) / Ref. 1850050 (lock)

Double pulse switch to secure or lock the blinds in the desired position. Sold with 3 keys.

Dimensions	105 x 75 x 25 mm
Mounting	Wall



### 24 V power supply Ref. 1860303

Makes it possible to power the Connect Main Controller as well as the IP/io and IP Sensor Gateways. CE, RCM and UL compliant.

Dimensions	80 x 40 x 75 mm
Power supply	24 V DC



#### 24 V external power supply

Ref. 9017611

Makes it possible to power the heated wind sensor. CE compliant.

Dimensions	78 x 93 x 56 mm
Power supply	24 V DC
Mounting	DIN rail





#### MOTORS FOR ROLLING SHUTTERS



#### ■ IZYMO SHUTTER RECEIVER io

A radio receiver which enables a tube motor for a roller shutter to be controlled, either from io-homecontrol radio transmitters and/or from a roller shutter switch.

Power supply	220 - 240 V AC/50 Hz					
Torque (Nm)	80					
Dimensions	43 x 43 x 16 mm					



This product is not fully "io" compatible. Commissioning procedure is not the same as an "io" motor. Please ask your Somfy representative for more details.

#### Oximo 40 io / Oximo 50 io

The universal io solution for all types of rolling shutters.

• Comes in a short version for narrow windows.

Diameter	40/50 mm					
Power supply	230 V/50 Hz					
Torque (Nm)	6 10 15 20 30 40 50					
Speed (rpm)	17 rpm					



#### MOTORS FOR ROLLING SHUTTERS



The io solution for rolling shutters with manual end limit settings.

- Manual end limit setting.
- Torque up to 120 Nm (60 diameter).

Diameter	50 mm					
Power supply	230 V/50 Hz					
Torque (Nm)	6 10 20 30 40 50					
Speed (rpm)	12 12 12 12 12 12					

Diameter	60 mm					
Power supply	230 V/50 Hz					
Torque (Nm)	55 70 85 100 120					
Speed (rpm)	12 12 12 12 12					



#### S&SO RS100 io

The quietest connected motor for rolling shutters on the market.

- Soft start and stop.
- 100 % plug and play.
- Acoustic comfort.

Diameter	50 mm					
Power supply		230 V/50 Hz				
Torque (Nm)	6 10 15 20					
Speed (rpm)	17 rpm at default nominal speed & 8 rpm at low speed. Can be customised via Set&Go					



#### S&SO RS100 io HYBRID

The quietest connected motors for rolling shutters on the market, dedicated to new buildings.

- Hybrid technology (wired and radio).
- Acoustic comfort.
- Soft start and stop.
- 100 % plug and play.

Diameter	50 mm					
Power supply	230 V/50 Hz					
Torque (Nm)	6 10 15 20					
Speed (rpm)	17 rpm at default nominal speed & 8 rpm at low speed. Can be customised via Set&Go					



#### Slim Receiver io RS

- Access the benefits linked to bi-directionality (feedback and precision).
- Adjust the motor settings remotely (for WT motor).

Dimensions	119 x 34 x 32mm
Power supply	230 V/50 Hz



This product is not fully "io" compatible. Commissioning procedure is not the same as an "io" motor. Please ask your Somfy representative for more details.

#### MOTORS FOR INTERIOR WINDOW COVERINGS

#### Sonesse 40 io

"Designed for silence": the silent io motor for all interior window coverings.

- Silent movement.
- Compatible with all interior products.



- Round, fine and black motor head for discrete integration.
- Remote setting: via the Set&Go or EMS2 tools or by remote control.

Diameter	40mm				
Power supply		230 V/50 Hz			
Torque (Nm)	1.3	3	6		
Speed (rpm)	50	30	20		



#### MOTORS FOR EXTERNAL VERTICAL SCREENS



The all-in-one io motor with advanced features, to meet the specific requirements of all screens on the market.

- Lower end limit set by remote control.
- Automatic (or by remote control) upper end limit setting.
- Visual product feedback at each stage of setting.
- Removable cable (Sunea 50 io).



Diameter	40 mm				50 mm	
Power supply		230 V/50 Hz				
Torque (Nm)	3	4	9	13	25	30
Speed (rpm)	30	16	16	10	17	17

#### ■ Maestria+ 50 io

The universal solution to motorise all external vertical screens (standard, zip, etc.).

- Automatic (or by remote control) lower and upper end limit setting.
- Visual product feedback at each stage of setting.
- Automatic stop if there is an obstacle (going up & down).
- Frequency of adjustment of the upper end limit ensuring a permanently taught canvas.

Diameter		50 mm						
Power supply		230 V/50 Hz						
Torque (Nm)	6	6	10	10	15	15	25	35
Speed (rpm)	17	32	17	32	17	32	17	17

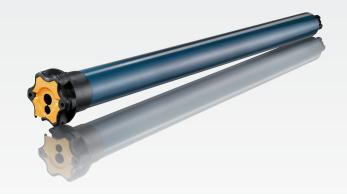


#### MOTORS FOR EXTERNAL VERTICAL SCREENS



The io solution for screens without cassettes.

- Lower end limits set by remote control.
- Visual product feedback at each stage of setting.
- Removable cable.
- Compatible with the universal setting cable.



Diameter		50 mm							
Power supply		230 V/50 Hz							
Torque (Nm)	6	6 10 15 20 25 30 35 40 50					50		
Speed (rpm)	17	17	17	17	17	17	17	17	12

#### Slim io receiver screen + plug

The slim io receiver is compatible with the wired motors. It makes it possible to modernise an existing installation and access the connected io world.

- Access the benefits linked to bi-directionality (feedback and precision).
- Adjust the motor settings remotely (for WT motor).

Dimensions	119 x 34 x 32mm
Power supply	230 V/50 Hz



This product is not fully "io" compatible. Commissioning procedure is not the same as an "io" motor. Please ask your Somfy representative for more details.

#### MOTORS FOR AWNINGS



#### Sunea 50/60 io

The all-in-one io motor with advanced features to meet the specific requirements of all awnings on the market.

- Lower end limit set by remote control.
- Automatic (or by remote control) upper end limit setting.
- Visual product feedback at each stage of setting.



#### Slim io Receiver awning + plug

The slim io receiver is compatible with the wired motors. It makes it possible to modernise an existing installation and access the connected io world.

- Access the benefits linked to bi-directionality (feedback and precision).
- Adjust the motor settings remotely (for WT motor).

Dimensions	119 x 34 x 32mm
Power supply	230 V/50 Hz



This product is not fully "io" compatible. Commissioning procedure is not the same as an "io" motor. Please ask your Somfy representative for more details.

#### MOTORS FOR EXTERNAL VENETIAN BLINDS



Exclusive features for this new versatile motor which makes it possible to control all types of external Venetian blinds in a more flexible way.

- Bottom end limit already set in the factory.
- Automatic adjustment and reset of the upper position for perfect alignment.
- One of the shortest motors on the market.
- Detection of obstacles with built-in reverse & ice detection.
- Easy settings using the EMS2 or Set&Go tools.

Power supply		230 V/50 Hz		
Torque (Nm)	6 10 18			
Speed (rpm)		24 rpm		



#### Slim io Receiver EVB

The receiver makes it possible to upgrade your existing installation to an io solution.

- Access the benefits linked to bi-directionality (feedback and precision).
- Adjust the motor settings remotely (for WT motor).

Dimensions	119 x 34 x 32mm
Power supply	230 V/50 Hz



#### SETTING TOOLS



#### Set&Go io

The io setting tool for an unparalleled straightforward and efficient installation.

- 100 % successful settings, with no risk of error.
- No connection to the motors is necessary.
- For settings on a complete installation, there is a step by step guide for operations and it learns favourite configurations.





#### **USER CONTROLS**



#### my feedbacks" Smartphone or PC interface

PC or smartphone controls with notifications on the status of blinds.





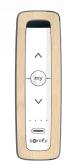
#### Situo 1 io/Situo 5 io

Remote control, dedicated to control roller shutters, blinds, or any other product with io technology.

- Opening, closing, stop, and "my" favourite position.
- Low battery level indicator for easier maintenance.
- Channel selector: 1 single channel for easier individual management or 5 channels for multi-application management.







#### **USER CONTROLS**



#### Situo 1 Variation io/Situo 5 Variation io

Remote control featuring a scroll wheel for precise control of the position and direction of the interior Venetian blinds and external Venetian blinds slats.

- Opening, closing, stop, and "my" favourite position.
- Low battery level indicator for easier maintenance.
- Scroll wheel for quicker and more precise adjustment to the direction of the slats
- Channel selector: 1 single channel for easier individual management or 5 channels for multi-application management.









#### ■ Smoove Origin io

Wireless on-wall control to individually manage rolling shutters, blinds, or any other product with io technology.

- Opening, closing, stop, and "my" favourite position.
- Customisation: the option to fit in another frame to adapt to all types of interior.



#### Smoove Sensitive io

Wireless, touch screen, on-wall control to manage all types of blinds with io technology.

- Opening, closing, stop, and "my" favourite position.
- Customisation: the option to fit in another frame to adapt to all types of interior.



#### Smoove Open Close io

Wireless, touch screen, on-wall control, which makes it possible to control horizontal fittings like curtains.

- Opening, closing, stop, and "my" favourite position.
- Customisation: the option to fit in another frame to adapt to all types of interior.



#### **USER CONTROLS**



#### ■ Smoove Origin RS100 io

Wireless, on-wall control which makes it possible to control the speed for S&SO RS100 motors.

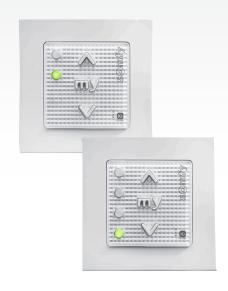
- Opening, closing, stop, and "my" favourite position.
- Customisation: the option to fit in another frame to adapt to all types of interior.
- 'Feather' feature for more acoustic comfort.



#### ■ Smoove 2 & 4 channels io

Wireless on-wall control to manage roller shutters, blinds or any other products with io technology.

- Opening, closing, stop, and "my" favourite position.
- Customisation: the option to fit in another frame to adapt to all types of interior.
- Channel selector: 2 or 5 channels for multi-application management



#### Smoove RS100 io

Wireless, touch screen, on-wall control which makes it possible to control the speed for S&SO RS100 motors.

- Opening, closing, stop, and "my" favourite position.
- Customisation: the option to fit in another frame to adapt to all types of interior.
- Cursor which makes it possible to access the 'feather' feature for more acoustic comfort.



#### **About Somfy**

Somfy's leading smart management solutions for homes and buildings have been improving people's daily lives for over 50 years. Developed with comfort, ease of use, security and sustainability in mind, our innovations automate and connect rolling shutters, curtains and blinds, gates and garage doors, lighting and heating, alarms systems and more. We are committed to creating useful solutions that are accessible to all, designed for today and beyond.

#### Somfy Activités SA

50 avenue du Nouveau Monde France T +33 (0)4 50 96 70 00 www.somfy.com www.somfy.com/projects

A BRAND OF **SOMFY** GROUP

