See shade in

a new light

animeo KNX®

for controlling shade

your way

somfy®

So that everyone can freely control the role of natural light in their living and working environment.

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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.

•••

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.

•••

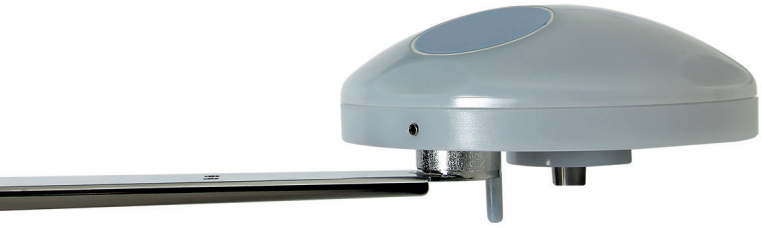
By creating solutions in the service of the users, **we contribute to improving efficiency at work as well as the quality of care and learning, thereby contributing to better health.**

•••

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 KNX

animeo KNX is an adaptable façade management system compatible with KNX standards. Any number of zones can be controlled. The multifunctional motor controllers enable the controlling of all types of blinds and window coverings. Local wired switches and Somfy RTS remote controls can be integrated into the KNX bus using binary inputs.



A fully scalable and upgradeable solution which can be integrated into all types of buildings **without motor or zone limits** and offers the benefits with reliable KNX protocol.

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

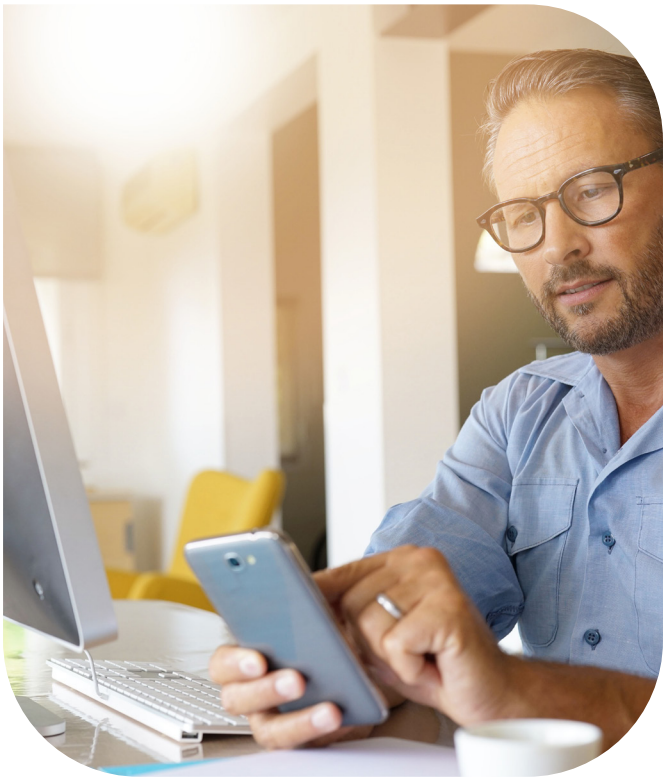
Inside buildings **animeo KNX** offers automatic control of solar protection based on the brightness and the weather conditions, freeing the occupants from this worry and offering them an optimal environment in which to work and concentrate.

"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 KNX 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 KNX 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 KNX provides a user-friendly PC interface to monitor and control the zones or façades.

"I can lock a zone or façade easily for maintenance reasons."

Adapt and upgrade your installation

The solution offers to easily rearrange the installation if the building changes. Wireless RTS local user interface can be re-assigned as desired with full flexibility.

> *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

Supported by Somfy, your **animeo KNX** project can be remotely supported 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."*

System architecture

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

Building Controller | 1-8 zones

Weather Station
KNX

Timer KNX

Building Controller | 1-16 zones

Max 8 × Max 2 ×

KNX
Operating
software

Weather Station
M8/M13

Master Control W8
8 ×

Master Control W2
2 ×

Local control options

Push button input

Universal binary input

Local radio control or radio control via KNX

KNX Bus

Motor Controllers

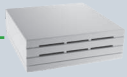
KNX RS485
interface

Wall mounted
for 230 V motors

DIN rail
for 230 V motors

Wall mounted
for 24 V motors

Wall mounted
for 24 V motors
with Encoder
technology



KNX RTS Receiver
433 MHz WM

Motor Controller
6 AC KNX

Pluggable radio modules

Radio
Receiver

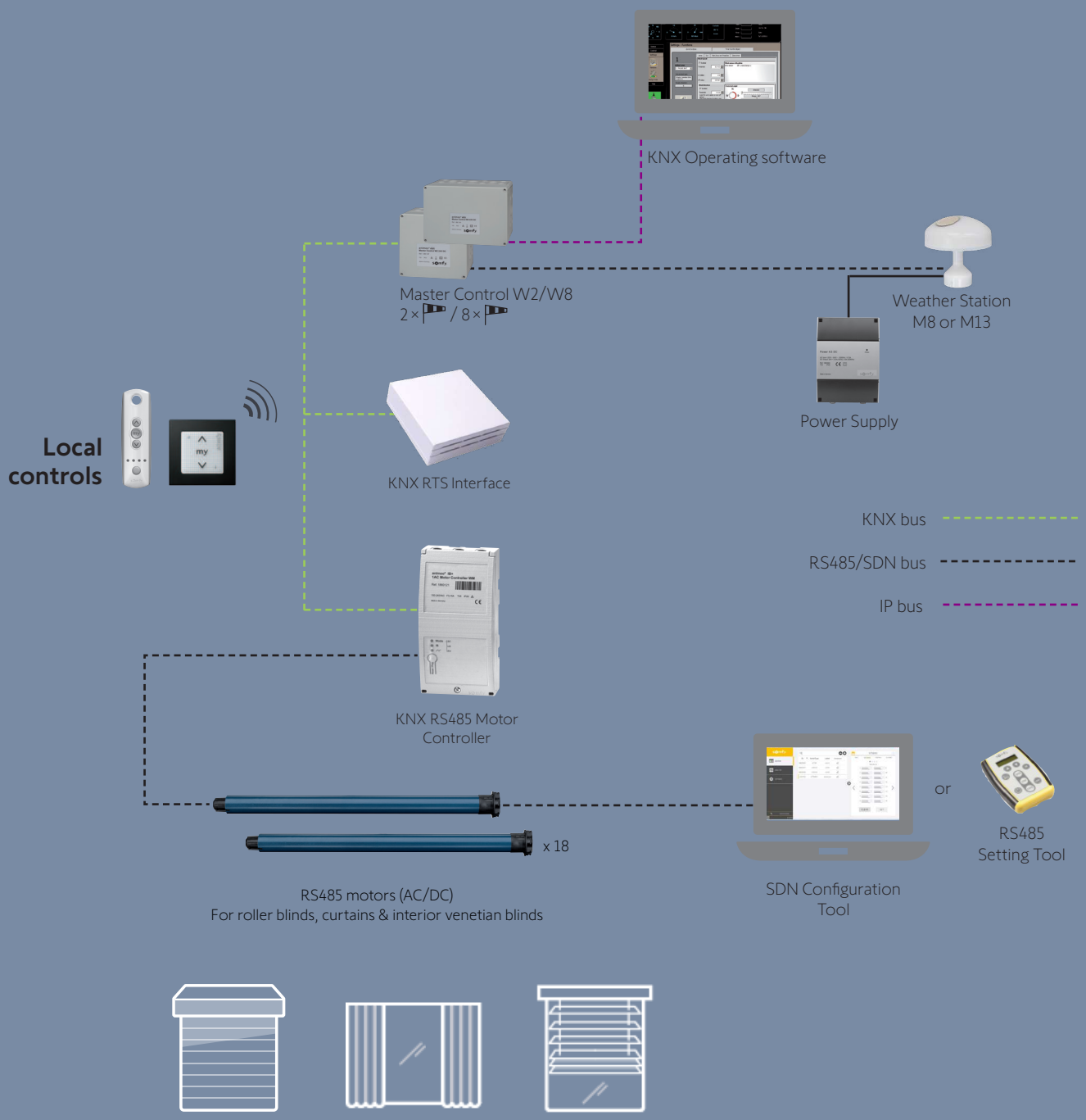
KNX RTS
Receiver

EnOcean
Receiver
868 MHz

KNX
EnOcean
Receiver
868 MHz

1

Buildings system topology



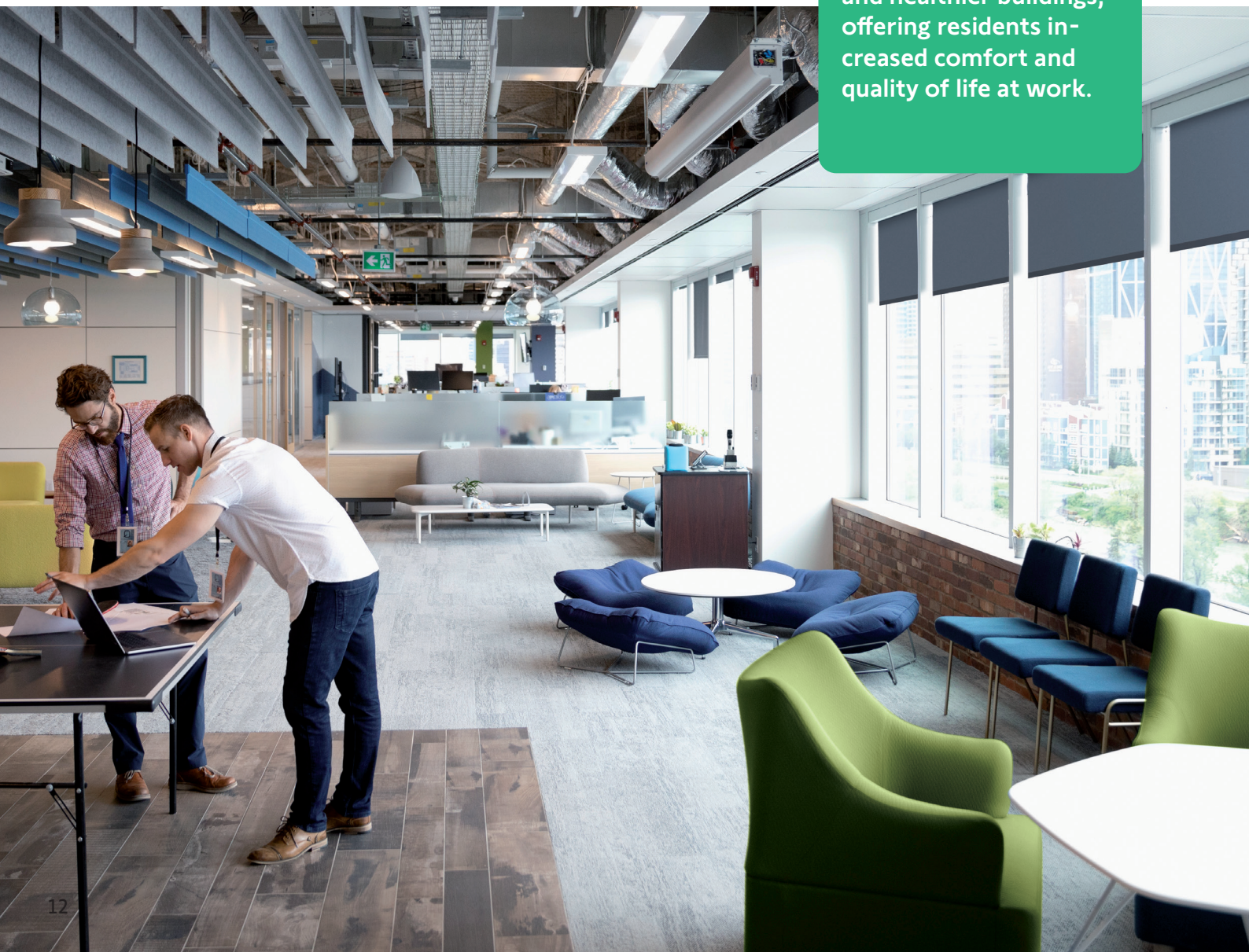
Energy benefits

Contribute to better energy performance for the building

animeo KNX is able to precisely measure the energy intake on each façade of the building **with a dedicated sensor,** the "Weather Station KNX". Limiting the use of artificial lighting, heating and air conditioning, animeo KNX provides a unique and complete solution to meet the requirements for both **energy efficiency and for the comfort of occupants**.

- **Thanks to the modularity of the products in the range, animeo KNX allows you to adapt the energy performance through different flexible 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.**



Somfy at your side

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.

Product range

BUILDING CONTROLLER

p. 18

MOTOR CONTROLLER

p. 19 > 21

ACCESSORIES and SENSORS

p. 21 > 27

LOCAL CONTROLS

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Weather Station with Timer KNX

Ref. 1870947/1870932/1870941

Weather Station with advanced functionalities to manage 8 façade areas and all types of blinds. Compact design discrete on façade or roof.

Weather Station KNX - 1870932	
Dimensions	130 mm, 68 mm
Power supply	24 V DC
Mounting	Wall or mast mounted

Timer KNX - 1870941	
Dimensions	90 x 54 x 60 mm
Power supply	230 V
Mounting	DIN-rail

KNX Master Control W2/W8

Ref. 1860187/1860193

Enables a zone-based shadow tracking of 16 or more façade areas for a selection of 19 different types of blinds.

Dimensions	182 × 180 × 110 mm 254 x 180 × 110 mm
Mounting	Wall-mounted

Shadow Device

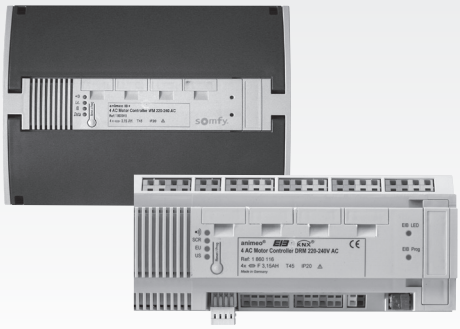
Ref. 1860252

Stores the relevant data which is derived from building model provided through Somfy. It is essential in conjunction with the animeo KNX Master Control to realize zone based shadow tracking for buildings.

Dimensions	175 × 100 × 50 mm
Power supply	24 V DC
Mounting	Wall-mounted and DIN rail

KNX 4 AC Motor Controller WM/DRM

Ref. 1860114/1860116

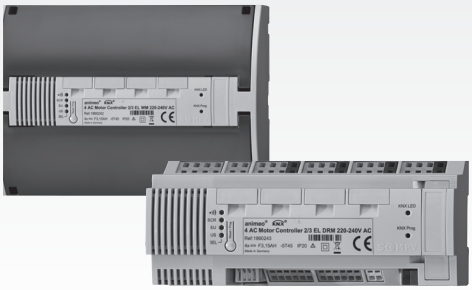


For roller shutters, screens, exterior Venetian blinds and windows.
To control 4 × 230 V AC motors.

Dimensions	255 × 180 × 61 mm 210 x 90 × 61 mm
Mounting	Wall-mounted or DIN-rail

KNX 4 AC Motor Controller 3 EL WM/DRM

Ref. 1860242/1860243

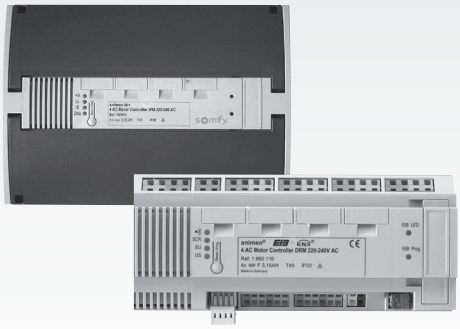


For roller shutters, screens, exterior Venetian blinds and windows.
To control 4 × 230 V AC motors with 2 or 3 end limits.

Dimensions	255 × 180 × 61 mm 210 x 90 × 61 mm
Mounting	Wall-mounted or DIN-rail

KNX 4 AC Motor Controller WM/DRM

Ref. 1860114/1860116



For roller shutters, screens, exterior Venetian blinds and windows.
To control 4 × 230 V AC motors.

Dimensions	255 × 180 × 61 mm 210 x 90 × 61 mm
Mounting	Wall-mounted or DIN-rail

KNX 4 DC Motor Controller WM

Ref. 1860452

For interior blinds, interior Venetian blinds and windows.
To control 4 × 24 V DC motors.

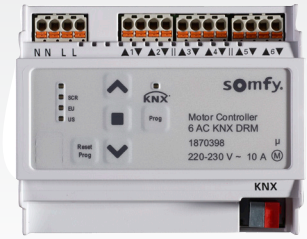
Dimensions Mast	255 × 180 × 61 mm
Power supply	24 V DC
Mounting	Wall-mounted

Motor Controller 6 AC KNX DRM

Ref. 1870398

Compatible with exterior Venetian blinds, screens, roller shutters, windows openers and with all animeo KNX device

Dimensions	108 x 90 x 60 mm
Mounting	DIN rail



KNX RS485 Motor Controller WM

Ref. 1860286

To control up to 18 motors, either individually or by groups.

Dimensions	90 × 180 × 45 mm
Power supply	24 V DC
Mounting	Wall-mounted

Somfy Digital Network RS485

RS485 6 x RJ45 Bridging Adapter

Ref. 90019004

Facilitates the connection of RS485 Somfy Digital Network devices on the RS485 network segment.

Dimensions	103 × 39,9 × 26,5 mm

RTS Radio Receiver

Ref. 1860105

Radio for retrofitting KNX 4 AC, 4 DC or 4 DC/DC-E Motor Controllers. Directly pluggable into the Motor Controller.

Dimensions	52 × 92 × 27 mm
Mounting	Plug-in

KNX RTS Receiver

Ref. 1860191

Radio receiver for forwarding the Somfy RTS radio signals to the KNX bus.

Dimensions	52 × 92 × 27 mm
Mounting	Plug-in

EnOcean Receiver 868 MHz

Ref. 1860220

Radio receiver, linked up with the battery-free, wireless EnOcean radio technology. Compatible with all animeo KNX Motor Controllers.

Dimensions	60 × 16 × 46 mm
Mounting	Plug-in

KNX EnOcean Receiver 868 MHz

Ref. 1860229

Radio receiver, forwarding the EnOcean radio signals on the KNX bus. Available for all animeo KNX Motor Controllers.

Dimensions	60 × 16 × 46 mm
Mounting	Plug-in

KNX RTS Receiver 433 MHz WM

Ref. 1860292

Universal radio receiver to forward orders from Somfy RTS transmitters to the KNX bus for the integration with any application.

Dimensions	81 × 81 × 25 mm

Weather Station M8/M13

Ref. 1860306/1860307

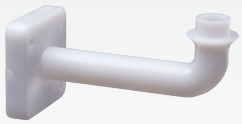
To collect the external conditions in different orientations.

Dimensions (h, Ø)	105 mm, 103 mm
Power supply	24 V
Mounting	Façade or roof mounting

Bracket for Weather Station M8/M13

Ref. 1860320

For mounting on an already existing mast with a diameter of 50 mm



Dimensions	180 x 80 x 80 mmm
Mounting	On a mast

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 Ø 50 mm
Power supply	N/A
Mounting	Wall-mounted

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

Lightning protection

Lightning Protection 1A	1870448
Bus Lightning Protection	9025706
24V Lightning Protection	9025707
Socket Lightning Protection	9014897

To protect the controls from lightning. Used in conjunction with the Outside Sensor Box or Compact Sensor.

Mounting	Plug-in

Weather Station KNX

Ref. 1870932

A building controller with advanced functionalities to manage 8 façade areas and all types of blinds.

Dimensions (h, ∅)	130 mm/68 mm
Power supply	24 V
Mounting	On a mast

animeo Power Supply DC

Ref. 1860093

To supply the Outside Sensor Box (with heated sensors), the animeo KNX Master Control W2/W8.

Dimensions	130 × 180 × 61 mm
Power supply	230 V
Mounting	Wall-mounted or DIN-rail

Outside Sensor Box

Ref. 9001606

Interface between the weather station and the animeo KNX Master Control W2 / W8.

Dimensions	235 × 207 × 90 mm
Mounting	Wall-mounted

Wind Sensor

Ref. 9001608

Measures wind speed in connection with the Outside Sensor Box..

Dimensions	Height 200 mm, Ø 240 mm Max. Ø mast 48 mm
Mounting	On a mast

Heated Wind Sensor

Ref. 9140180

Measures wind speed in connection with the Outside Sensor Box.
Integrated heating device to avoid freezing the sensor.

Dimensions	Height 200 mm, Ø 240 mm Max. Ø mast 48 mm
Power supply	24 V DC
Mounting	On a mast

Wind Direction Sensor

Ref. 90138076

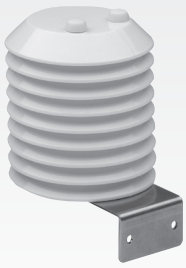
Measures wind direction in connection with the Outside Sensor Box.

Dimensions	Height 303 mm, Arrow length 515 mm, max. ø mast: 48 mm
Mounting	On a mast

Outside Temperature Sensor

Ref. 9001611

Measures exterior temperatures in conjunction with the Outside Sensor Box.



Dimensions	Height 150 mm, ø 115 mm
Mounting	On a mast

Rain Sensor Ondeis

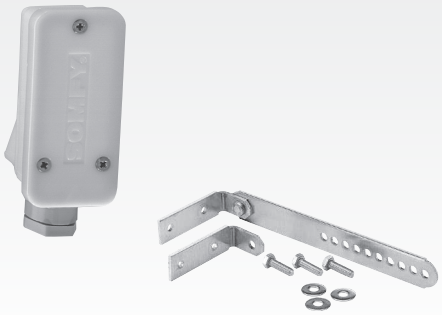
Ref. 9016344 (24 V DC)/9016345 (230 V AC)

Capacitive sensor to measure precipitation with UV-opaque and UV stabilized housing.

Dimensions	115 × 100 × 85 mm
Power supply	24 V/230 V
Mounting	Wall- or mast-mounting

Sun Sensor

Ref. 9050100
Ref. 9127888 (Mounting brackets)/Ref. 9154043 (Kit)



Measures the luminosity in connection with the Outside Sensor Box.

Dimensions	34 × 88 × 47 mm
Mounting	Wall- or mast-mounting

Sensor Station

Ref. 9013726

Aluminium mast with pre-mounted and pre-wired Outside Sensor Box, 4 sun sensors, 1 wind sensor and 1 outside temperature sensor. It can be equipped with additional sensors.

Mast height	3200 mm

Sensor Station extended

Ref. 9013727

Aluminium mast with pre-mounted and pre-wired Outside Sensor Box, 8 sun sensors, 1 wind sensor, 1 wind speed sensor, 1 wind direction sensor, a rain sensor and an outside temperature sensor.

Mast height	3200 mm

KNX IP Interface

Ref. 9018246

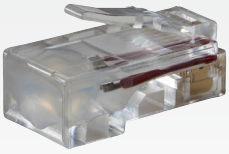
To connect a PC to the KNX network over the LAN (IP).

Dimensions	18 × 90 × 56 mm
Power supply	24 V DC

RS485 Terminator

Ref. 9019005

To terminate RS485 network segment.



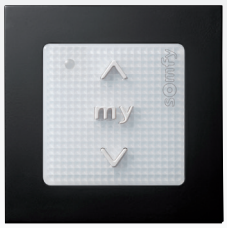
Dimensions	11,7 × 21,5 × 7,9 mm

Smoove IB Origin

Ref. 1811272

Manual control of several motors over IB bus.
Comfortable central control or group operability.

Dimensions	50 x 50 x 10 mm
Mounting	Flush-mounted

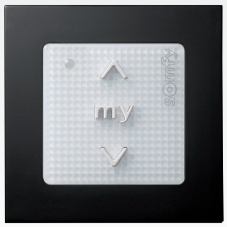


Smoove 1 RTS Origin

Ref. 1811218

Manual control of several motors over RTS.
Comfortable central control or group operability.

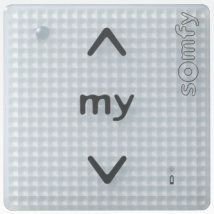
Dimensions	50 x 50 x 10 mm
Mounting	Flush-mounted



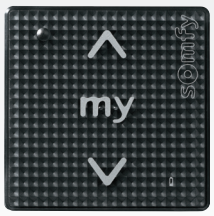
Smoove 1 RTS

1 channel on-wall radio transmitter to communicate with the RTS radio module.

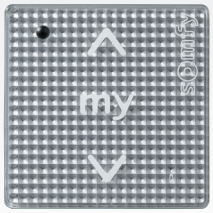
Dimensions	50 × 50 × 10 mm
Mounting	Wall-mounted
Pure Shine	Ref. 181087
Black Shine	Ref. 1810902
Silver Shine	Ref. 1810904
Adapter disc for other switching programs	Ref. 9016911



Pure Shine



Black Shine



Silver Shine

Smoove frames

Pure	Ref. 9015022
Silver Mat	Ref. 9015025
Black	Ref. 9015023
LIght Bamboo	Ref. 9015027
Ambergris Bamboo	Ref. 9015026
Cherry	Ref. 9015236
Walnut	Ref. 9015237
Double frame pure	Ref. 9015238

Pure

Silver Mat

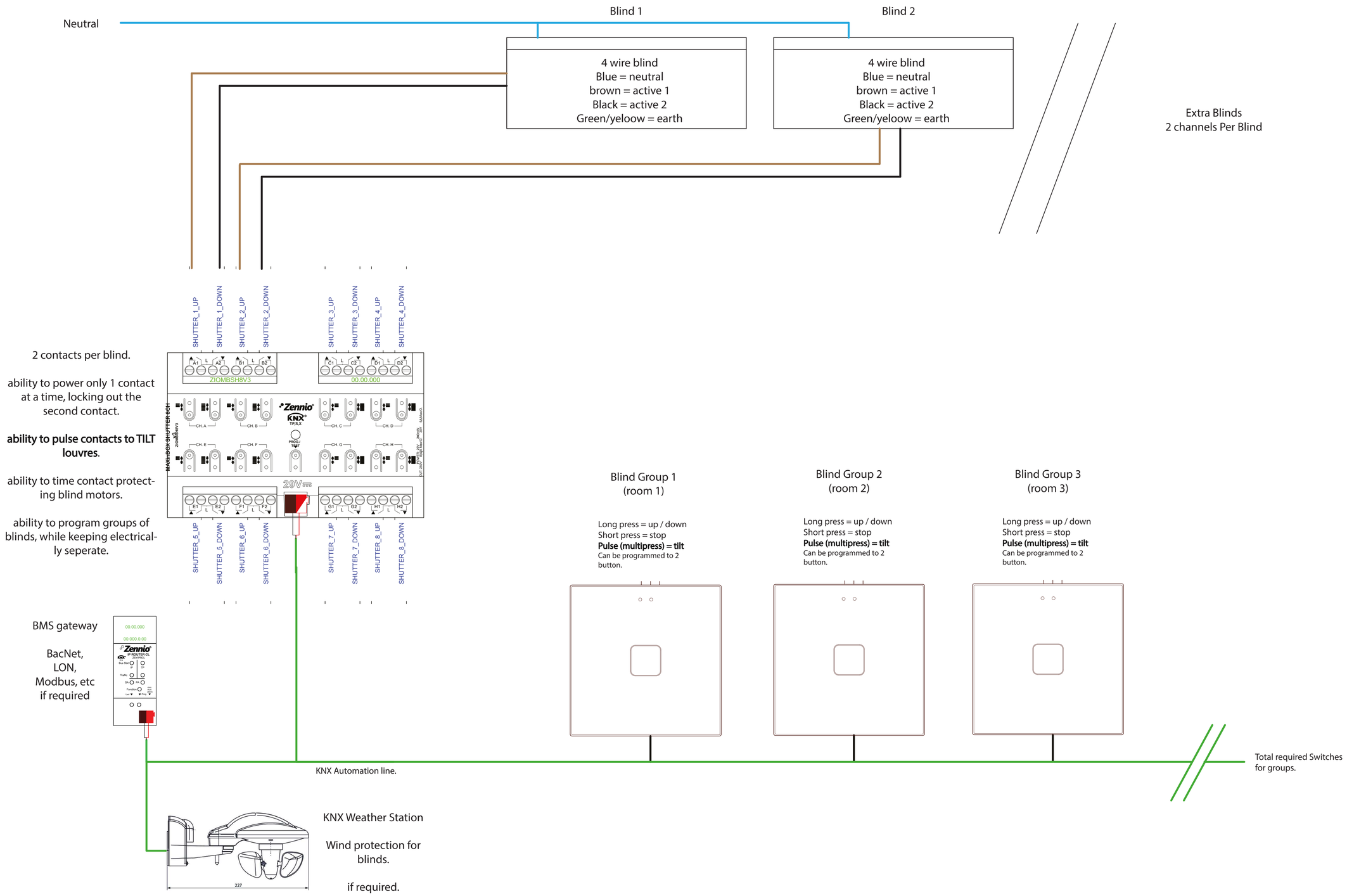
Black

Light Bamboo

Ambergis Bamboo

Cherry wool finish

Walnut wood finish


Neutral
Blind 1
Blind 2
4 wire blind
Blue = neutral
brown = active 1
Black = active 2
Green/yeloow = earth
4 wire blind
Blue = neutral
brown = active 1
Black = active 2
Green/yeloow = earth
Extra Blinds
2 channels Per Blind
2 contacts per blind.
ability to power only 1 contact at a time, locking out the second contact.
ability to pulse contacts to TILT louvres.
ability to time contact protecting blind motors.
ability to program groups of blinds, while keeping electrically seperate.
SHUTTER_1_UP
SHUTTER_1_DOWN
SHUTTER_2_UP
SHUTTER_2_DOWN
SHUTTER_3_UP
SHUTTER_3_DOWN
SHUTTER_4_UP
SHUTTER_4_DOWN
ZIOMBSH8V3
00.00.000
Zennio
KNX
29V
SHUTTER_5_UP
SHUTTER_5_DOWN
SHUTTER_6_UP
SHUTTER_6_DOWN
SHUTTER_7_UP
SHUTTER_7_DOWN
SHUTTER_8_UP
SHUTTER_8_DOWN
BMS gateway
BacNet,
LON,
Modbus, etc
if required
Blind Group 1
(room 1)
Long press = up / down
Short press = stop
Pulse (multipress) = tilt
Can be programmed to 2 button.
Blind Group 2
(room 2)
Long press = up / down
Short press = stop
Pulse (multipress) = tilt
Can be programmed to 2 button.
Blind Group 3
(room 3)
Long press = up / down
Short press = stop
Pulse (multipress) = tilt
Can be programmed to 2 button.
KNX Automation line.
Total required Switches for groups.
KNX Weather Station
Wind protection for blinds.
if required.
227

evaya

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.

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