

Intelligent Shade Management

Somfy Digital Network
Reference Book

Non-contractual document



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Part 1

Things you need
to know about
Somfy Digital Network

1 Why Somfy Digital Network?

HISTORY

Initial need was to offer Crestron, AMX and similar companies the possibility to control our motors in high end residential projects, hotels and conference rooms.

The first products launched were ILT motors and SDN-RTS gateway.

In a second step, Somfy decided to develop a complete Somfy proprietary solution with animeo IP.

TODAY AND FOR THE FUTURE

The Somfy Digital Network (SDN) is the latest generation of bus-line controlled tubular motors and controls.

SDN is on the RS485 network that can be used over a long distance and with a huge amount of products.

2 Somfy Digital Network: the wired bi-directional standard for Somfy

SDN: Wired bi-directional technology allowing interconnection with a wide range of third parties centralized building management and home automation systems (AMX, CRESTRON, Control 4, ...).

OVERVIEW OF SDN

Intro to Somfy Digital Network

The Somfy Digital Network (SDN) is the latest generation of bus-line enabled Intelligent Tubular Motors and Smart Switch Controls. The SDN components are integrated into a cost effective system designed to operate a wide range of end products such as solar screens, projection screens and Venetian blinds over a standard RS-485 network.

The SDN system is a standard half duplex, bi-directional RS-485 network. Bi-directional communications makes it possible to receive feedback from each motor on the network. This allows the system to view the position and status of any motor on the network, in real time. Since the SDN network runs over standard network architecture, it is possible to establish a remote connection to the system from anywhere internet access is available. This defines a new level of commissioning and support services that can be offered for today's energy efficient Intelligent Building.

CONTROL VERSATILITY

The recommended digital control devices for home or building projects operate using the Somfy Digital Network. The Somfy Digital Network could be used either as a stand-alone option or including animeo IP. Stand-alone SDN systems feature different control options than animeo IP systems.



COMPATIBILITY

Somfy motors are offered in a wide range of sizes and window treatment types for retrofit or new construction projects. Some of the power supply options increase design flexibility when wiring hard to reach or inaccessible areas.

3 Benefits of Somfy Digital Network

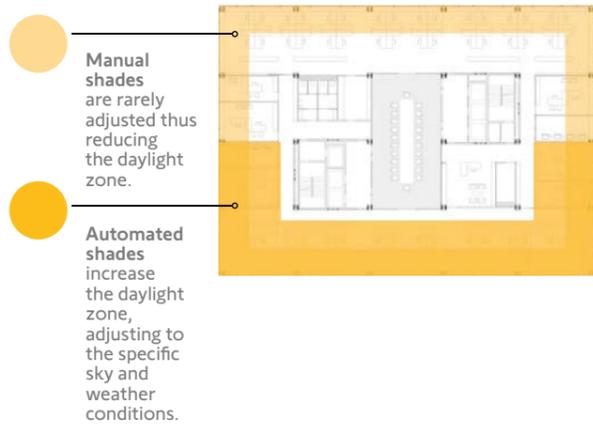
- Energy Efficiency
- Scalability & Flexibility
- Compatibility
- Comfort
- Building Certification

NATURAL LIGHT MANAGEMENT

Automatically managing motorized window coverings reduces dependency on artificial light, allowing more natural light for increased visual comfort of occupants as well as energy savings.

Extended Daylight Zone Automated Shades

A daylight zone is an area within a building that is expected to receive consistent daylight.



BUILDING INTEGRATION

Motor and control integration is a dynamic sector of the product offering by Somfy. Somfy motors offer a high torque ranges while operating with low sound levels which is a valuable combination for the shading market.

- Communicate with Building Management Systems
- Communicate to third-party automation systems through RS485, RS232 serial protocols and dry contact closure as well as energy savings.

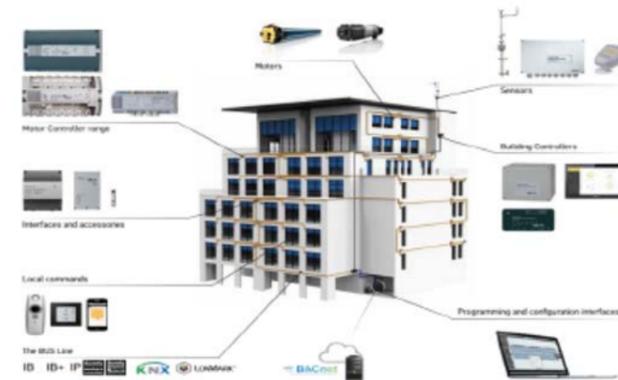


FLEXIBILITY WITH MANY BUILDING TYPES

Somfy has experience designing dynamic control solutions based on the unique requirements of all building types including both new and retrofit. At Somfy, we're passionate about creating solutions that ensure the best possible working and living conditions for all types of buildings!



BUILDING MANAGEMENT SOLUTION



DYNAMIC INSULATION™

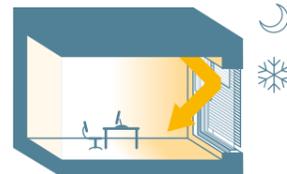
Motorized window coverings are raised and lowered according to changes in outdoor weather conditions and indoor comfort needs based on input from sensors, pre-programmed settings, or local occupant controls.

Summer strategy



Lower window coverings during the hottest part of the day to reduce heat gain.

Winter strategy



Lowered window coverings prevent heat loss through windows during nighttime hours.

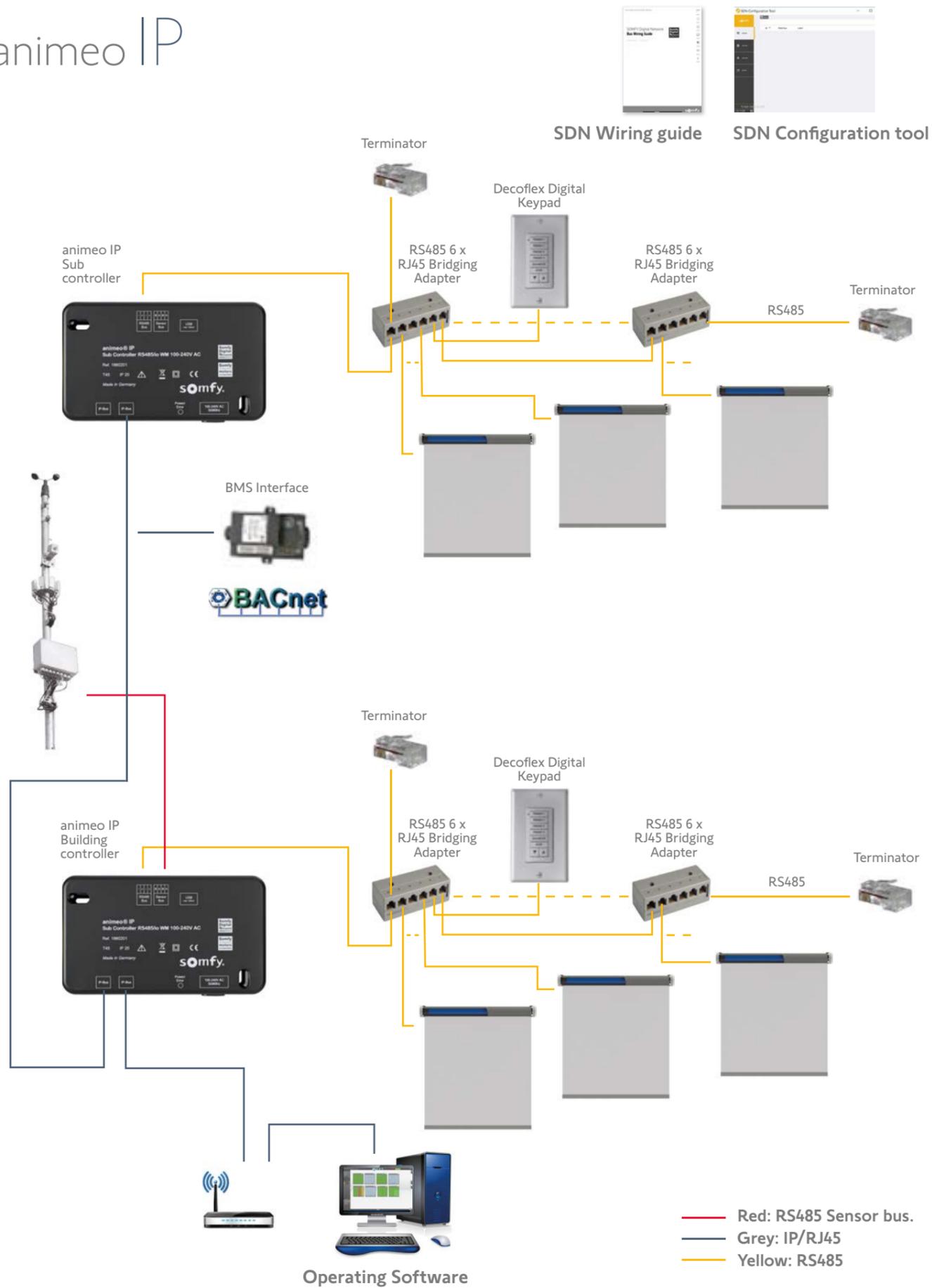
4 Warranty

Somfy provides a 5-year warranty on all motors. When you choose Somfy motorization for your customers, 5-year you choose the confidence of a five-year warranty and a 50 year reputation for well designed, high quality reliability. You receive the customer service and support you'd expect from a world leader, focusing on a better way of living.

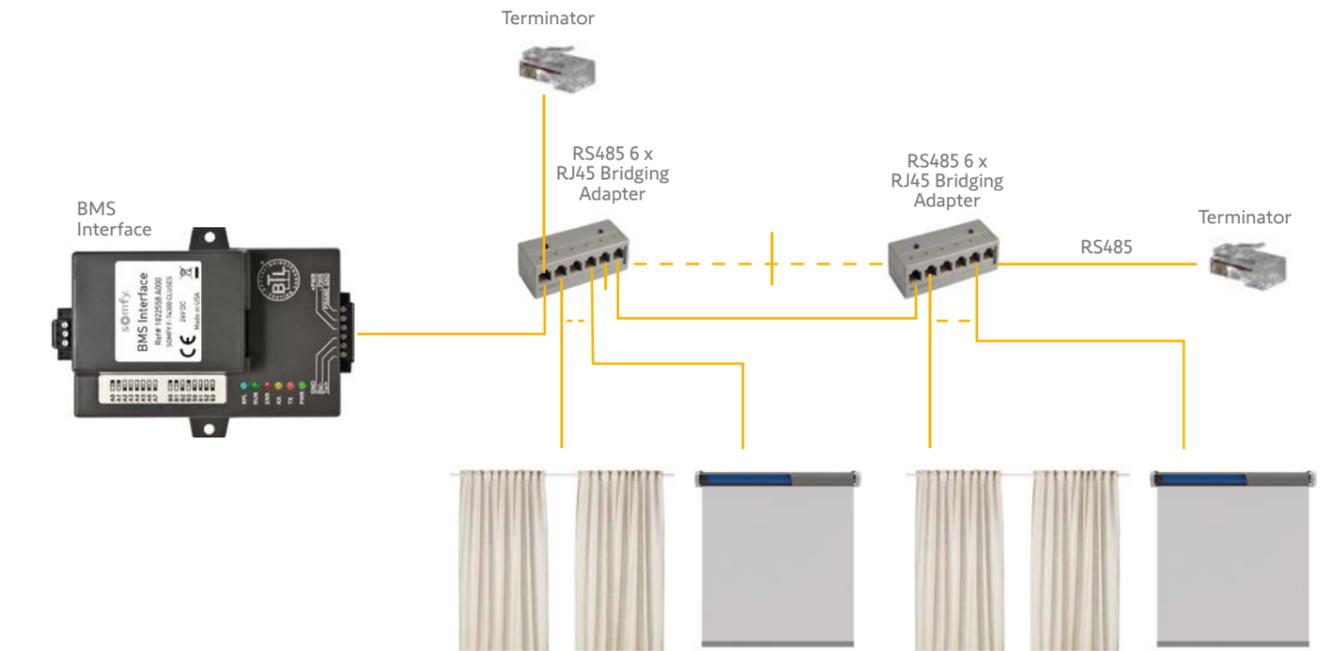


Part 2 Use Cases



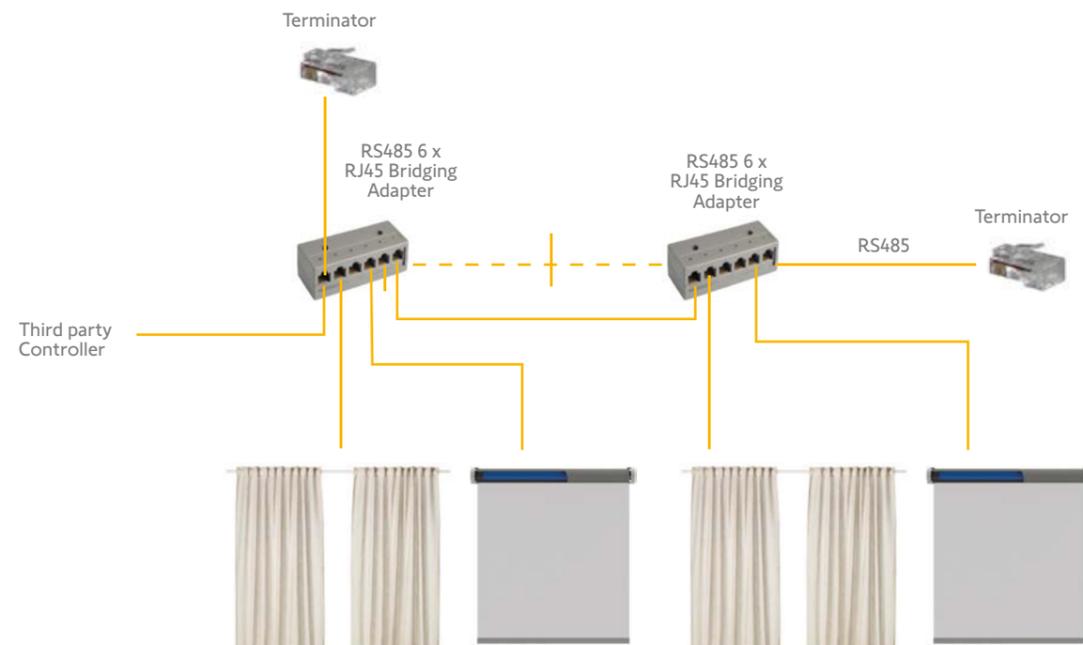


System Integration via BACnet: Schneider, ABB, AMX, Distec Control, CRESTRON

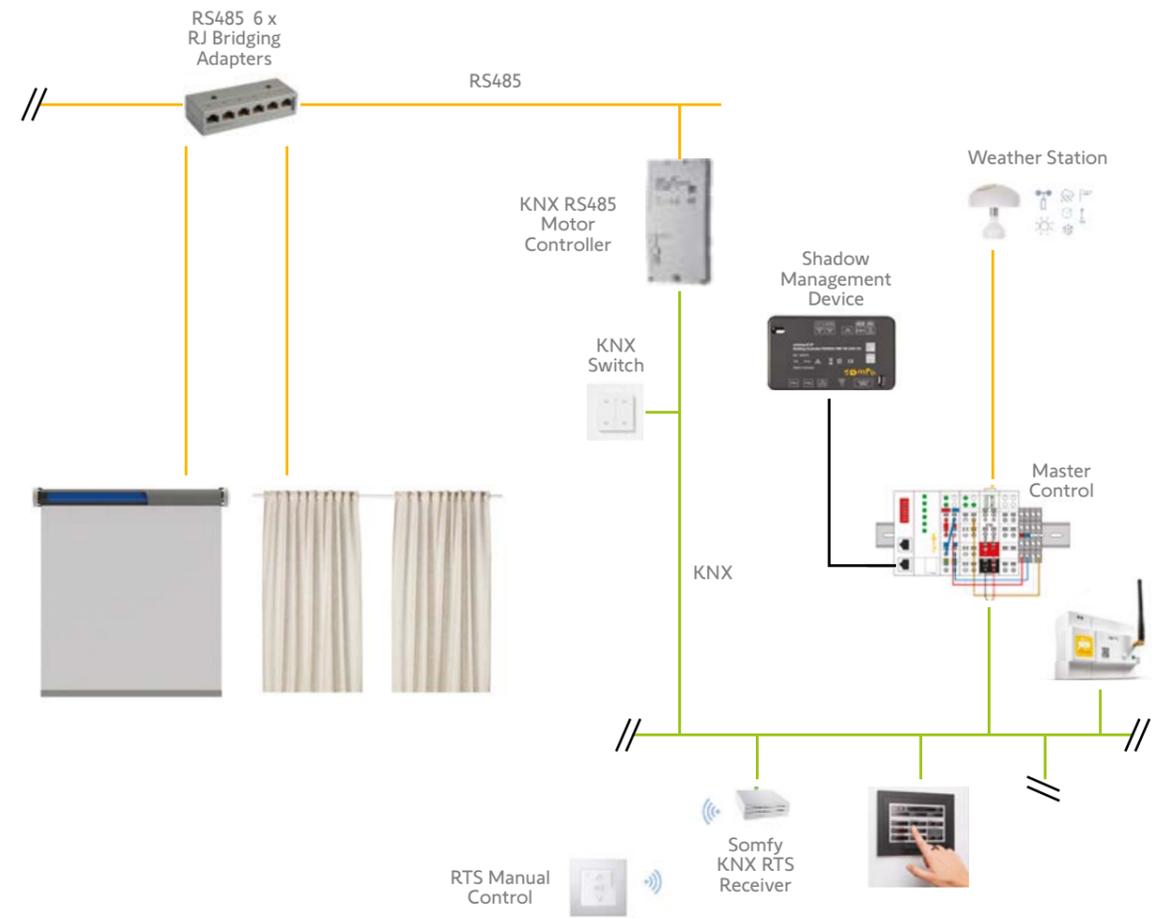


Third party integration with SDN

System Integration via SDN Protocol: Crestron, AMX, Control 4, Clipsal, etc.



Third party integration with KNX

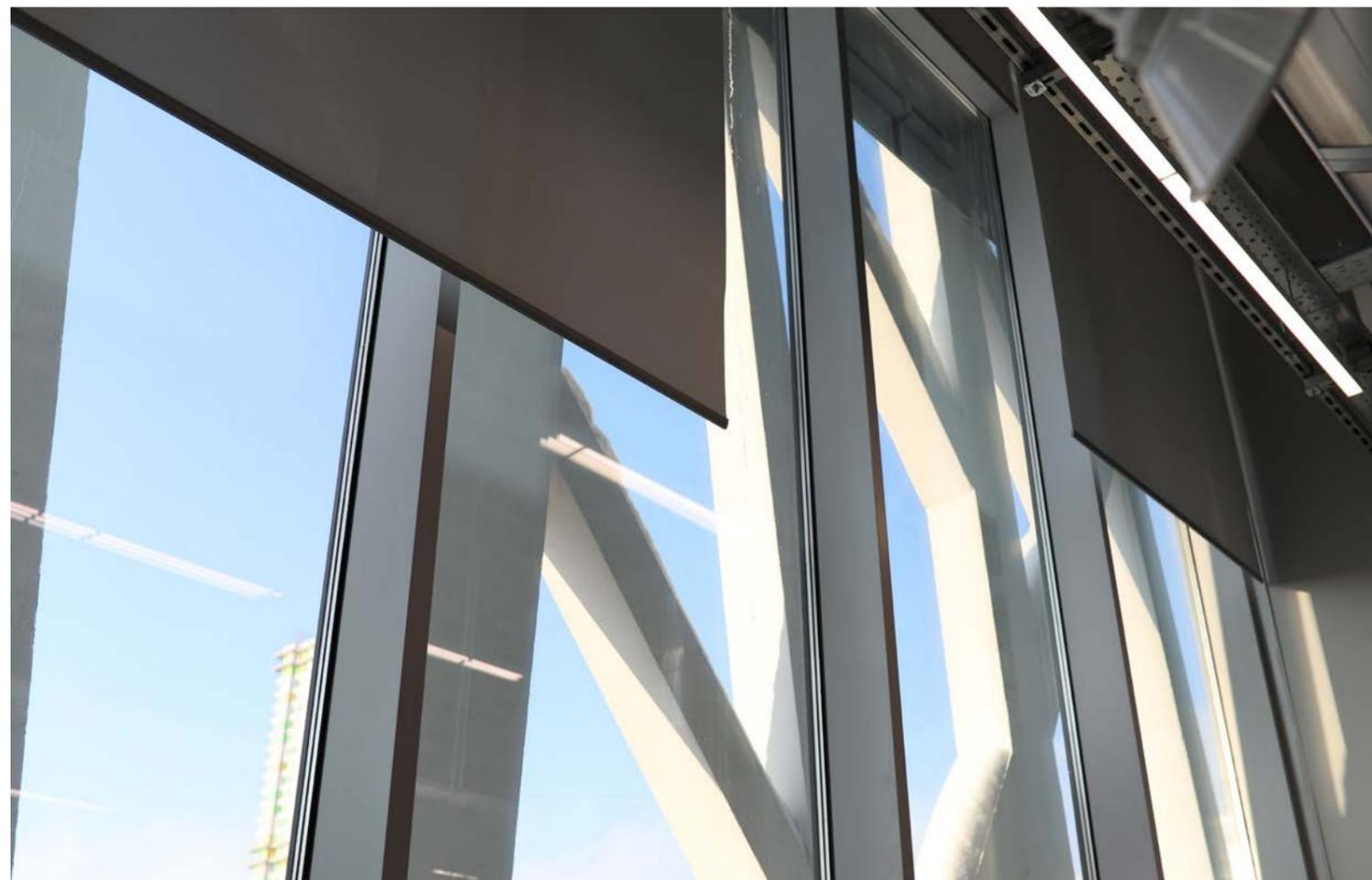


Part 3

Products



3.1 Motors



Sonesse 30 RS485



Somfy quiet digital motorization for small blinds, dedicated to interior applications.

Somfy +

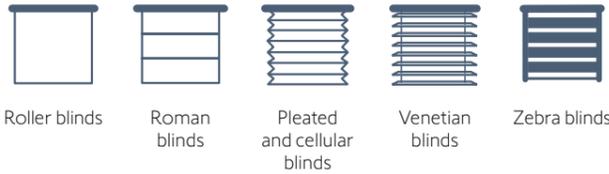
Quiet operation and full benefits of RS485 bi-directionality



→ Recommended to use with: Sonesse 30 range of accessories

→ Recommended to set with: RS485 Setting Tool (ref. 9 017 142)

Compatible end-products



Product main functionalities



Designed for silence



Easy limit setting
Easy setting thanks to RS485 setting tool, RS485 controller, or DCT setting tool.



Information feed back
On the controller interface.



Motor node ID
Easy localization with motor node ID.



Adjustable speed
From 6 to 28 rpm.



Stabilized speed
For a perfect alignment of the blinds one with each other.



Soft start and Soft stop



Thin head
White and thin round head for discreet blending.

Benefits for professionals

Easy integration

- Fit small diameter tubes: suitable for diameter 31 mm or more (internal diameter)
- Compatible with Somfy tubular range of accessories
- White and thin round head for discreet blending

Easy Installation

- Choose the right speed according to your blind: adjustable speed from 6 to 28 rpm

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set by RS485 setting tool
- Visual feedback of the product to confirm any step of setting and programming

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Range

- A high torque in DC technology to motorize your blinds : 2 Nm

Benefits for end users

Simple, effortless and comfort

- Quiet operation
- Move your shades effortlessly

Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

Protect your blind

- Soft stop and soft start to protect the fabric

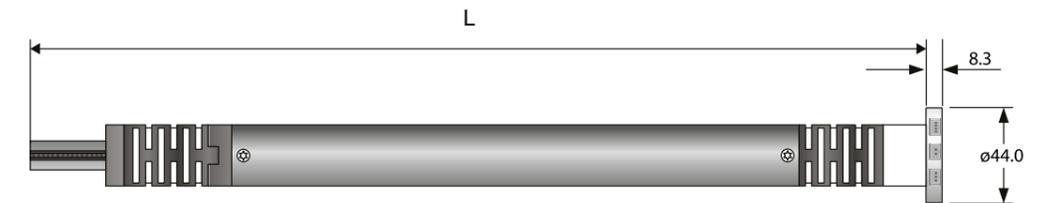
Discreet integration and home harmony

- White and thin round head for discreet blending

Sonesse 30 RS485

Technical data

Thermal time	2,5 min (software management)
Supply	24 V DC
Index protection rating	IP 30
Limit switch unit	Digital
Limit switch capacity	44 turns
Temperature working range	0°C to +60°C
Electric insulation	Class III



3 threads by wire	Power cable	Thin head

Performances

Nominal voltage	24 V DC
Torque (Nm)	2
Speed (rpm)	Adjustable speed from 6 to 28 rpm

Dimensions

L (mm)	398
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Certifications



Sonesse 40 RS485

New 2021

en attente d'info
pour fin avril

Sonesse 40 RS485

en attente d'info
pour fin avril

LT 50 RS485



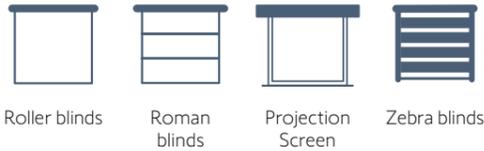
The proofed digital diameter 50 mm motor for blinds and screens.

Somfy +

Take full benefits of RS485 bi-directionality

→ Recommended to set with:
RS485 Setting Tool
(ref. 9 017 142)

Compatible end-products



Product main functionalities

DATA CABLE
Easy limit setting
Easy setting thanks to RS485 setting tool, or RS485 controller.

Information feed back
On the controller interface.

MOTOR NODE ID
Easy localization with motor node ID.

Star head
6 possibilities to orientate the motor head.

Benefits for professionals

Easy integration

- Removable power cable
- Removable data cable

Easy Installation

- Available in star head (6 possibilities to orientate the motor head)

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set by RS485 setting tool
- Visual feedback of the product to confirm any step of setting and programming

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

A wide range

- From 6 to 35 Nm (depending to areas)

Benefits for end users

Simple, effortless and comfort

- Move your shades effortlessly

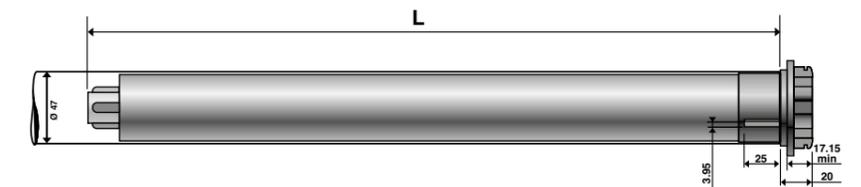
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

LT 50 RS485

Technical data

Thermal time	4 min for 230 V, 120 V, 220 V 5 min for 100 V
Supply	AC
Index protection rating	IP 44
Limit switch unit	Electronic
Limit switch capacity	300 turns for 230V, 120V, 220V 500 turns for 100 V
Temperature working range	-20°C to +60°C
Electric insulation	Class I



230 V / 220 V	120 V / 100 V	Star head

Performances

Nominal voltage	230 V / 50 Hz					120 V / 60 Hz		100 V / 50-60 Hz			220 V / 60 Hz		
	6	6	15	15	35	15	35	5	20	30	12	6	18
Torque (Nm)	6	6	15	15	35	15	35	5	20	30	12	6	18
Speed (rpm)	32	17	17	32	17	38	20	32/38	17/20	17/20	38	20	20

Dimensions

L (mm)	605	605	605	675	675	675	675	605	605	605	-	605	-

Certifications



Sonesse 50 RS485



The digital offer of the new acoustic standard for Interior Window Covering.

Somfy +

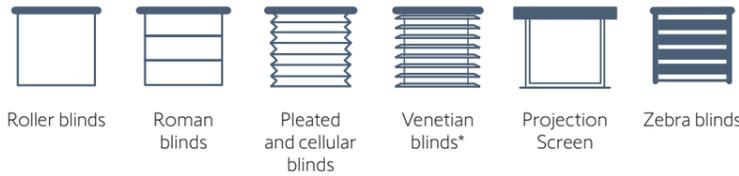
Quiet operation and full benefits of RS485 bi-directionality



→ Recommended to use with: Silent accessories

→ Recommended to set with: RS485 Setting Tool (ref. 9 017 142)

Compatible end-products



* No management for lift function

Product main functionalities



Designed for silence



Easy limit setting
Easy setting thanks to RS485 setting tool or RS485 controller.



Information feed back
On the controller interface.



Motor node ID
Easy localization with motor node ID.



Star head
6 possibilities to orientate the motor head.

Benefits for professionals

Easy integration

- Suitable for tubes diameter 47 mm or more (internal diameter)
- Same integration process as LT 50 & Altus 50
- Removable power cable
- Removable data cable

Easy Installation

- Available in star head (6 possibilities to orientate the motor head)

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set by RS485 setting tool
- Visual feedback of the product to confirm any step of setting and programming

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Benefits for end users

Simple, effortless and comfort

- Quiet operation
- Move your shades effortlessly

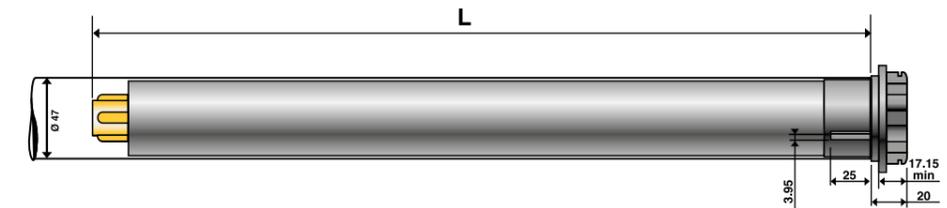
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

Sonesse 50 RS485

Technical data

Thermal time	4 min
Supply	AC
Index protection rating	IP 44
Limit switch unit	Electronic
Limit switch capacity	300 turns
Temperature working range	-20°C to +60°C
Electric insulation	Class I



230 V / 220 V	120 V / 100 V	Star head

Performances

Nominal voltage	230 V / 50 Hz				120 V / 60 Hz		220 V / 60 Hz	
	6	6	15	10	6	10	5	10
Torque (Nm)	6	6	15	10	6	10	5	10
Speed (rpm)	17	28	17	28	32	32	32	32

Dimensions

L (mm)	653	653	653	673	653	673	653	673

Certifications



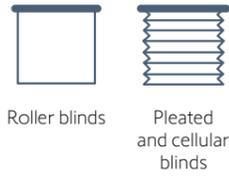
Sonesse ULTRA 50 RS485 AC



The quietest and strongest motor on the market:

- ULTRA quiet
- ULTRA powerful
- ULTRA flexible

Compatible end-products



Product main functionalities



Designed for silence



DATA CABLE

Easy limit setting
Easy setting thanks to RS485 setting tool or RS485 controller.



Information feedback
On the controller interface.



MOTOR NODE ID

Motor node ID
Easy localization with motor node ID.



Star head
6 possibilities to orientate the motor head.

Somfy +

ULTRA Quiet operation and full benefits of RS485 bi-directionality



→ **Recommended to use with:**
- Silent accessories
- Silent fabric
- Professional installation

→ **Recommended to set with:**
RS485 Setting Tool (ref. 9 017 142)

Benefits for professionals

Easy integration

- Suitable for tubes diameter 47 mm or more (internal diameter)
- Removable power cable
- Removable data cable

Easy Installation

- Available in star head (6 possibilities to orientate the motor head)

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set by RS485 setting tool
- Visual feedback of the product to confirm any step of setting and programming

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Polyvalent offer

- Unique motor to cover all application

Benefits for end users

Simple, effortless and comfort

- Ultra Quiet operation
- Move your shades effortlessly

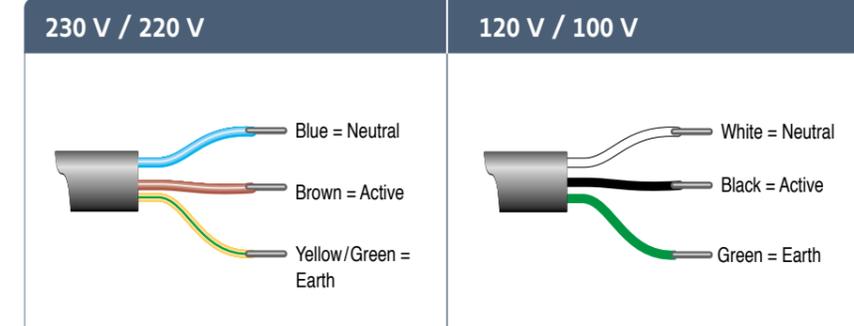
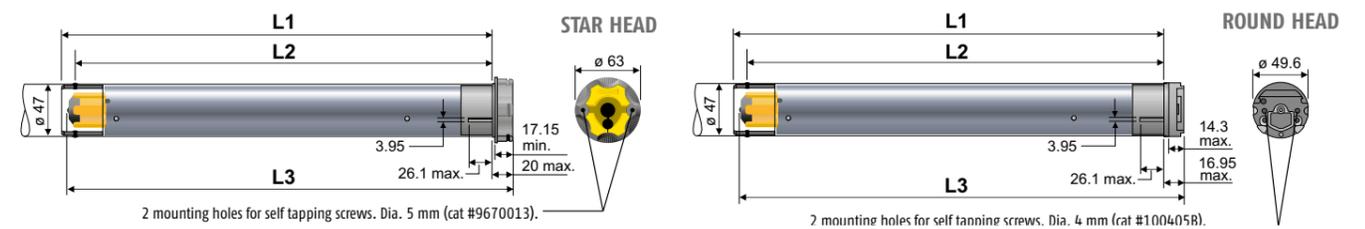
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

Sonesse ULTRA 50 RS485 AC

Technical data

Thermal time	4 min
Supply	AC
Index protection rating	IP 31
Limit switch unit	Electronic
Limit switch capacity	300 turns
Temperature working range	0°C to +60°C
Electric insulation	Class I



Performances

	230 V / 50 Hz	120 V / 60 Hz	220 V / 60 Hz
Nominal voltage	230 V / 50 Hz	120 V / 60 Hz	220 V / 60 Hz
Torque (Nm)	6	6	6
Speed (rpm)	20	24	24

Dimensions

L (mm)	838	857	857

Certifications



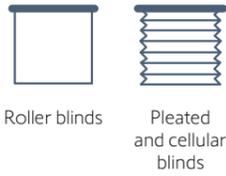
Sonesse ULTRA 50 RS485 DC



The quietest and strongest motor on the market:

- ULTRA quiet
- ULTRA powerful
- ULTRA flexible

Compatible end-products



Product main functionalities

- Designed for silence**
- Easy limit setting**
Easy setting thanks to RS485 setting tool or RS485 controller.
- Information feedback**
On the controller interface.
- Motor node ID**
Easy localization with motor node ID.
- Square head**

Somfy +

ULTRA Quiet operation and full benefits of RS485 bi-directionality



- **Recommended to use with:**
 - Silent accessories
 - Silent fabric
 - Professional installation
- **Recommended to set with:**
RS485 Setting Tool (ref. 9 017 142)

Benefits for professionals

Easy integration

- Suitable for tubes diameter 47 mm or more (internal diameter)
- Removable power cable
- Removable data cable

Easy Installation

- Available in square head

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Note ID discovery

Easy setting

- Up and down limits and my position can be set from a distance (RS485 setting tool)
- Through buttons on motor head
- Visual Feedback: LED on motor head

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Polyvalent offer

- 4N/25 rpm, unique motor to cover all application

Benefits for end users

Simple, effortless and comfort

- Ultra Quiet operation
- Move your shades effortlessly

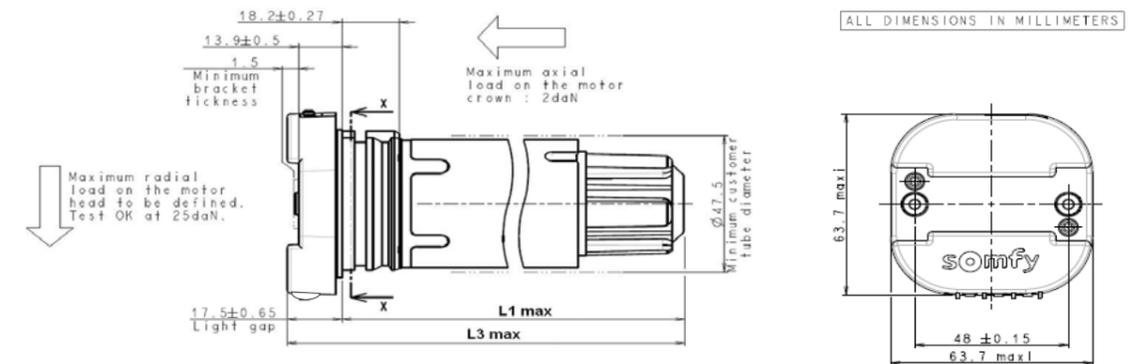
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

Sonesse ULTRA 50 RS485 DC

Technical data

Thermal time	5 min
Supply	24 V DC
Index protection rating	IP 20
Limit switch unit	Electronic
Limit switch capacity	38 turns turns each directional rotation at maximum speed
Temperature working range	0°C to +60°C
Electric insulation	Class III



Performances

Nominal voltage	24 V DC
Torque (Nm)	4
Speed (rpm)	25

Dimensions

L (mm)	780
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Certifications



Glydea Ultra 35e/60e RS485



Glydea Motor + Curtain Motor RS485 Module



Somfy +

Quiet operation and full benefits of RS485 bi-directionality



→ Recommended to use with:
Silent accessories

Recommended to set with:
→ RS485 Setting Tool (ref. 9 017 142)

The Glydea Ultra 35e/60e RS485 provides a discreet, flexible and robust solution or motorizing all types of draperies. Thanks to RS485 technology, Glydea Ultra is a bi-directional curtain solution for high end smart building control.

Compatible end-products



Curtains

Product main functionalities



Designed for silence



Soft start and Soft stop



Manual operation possible in case of power failure



Touch Motion
Open and close the curtain simply by pulling on the fabric.



Easy limit setting
Easy setting thanks to RS485 setting tool or RS485 controller.



Information feed back
On the controller interface.



Motor node ID
Easy localization with motor node ID.



Adjustable speed
Silent speed : 7.5 cm/s
High speed : from 12.5 cm/s to 20cm/s.

Benefits for professionals

Easy Installation

- No maintenance necessary after installation

Easy re-setting

- Programming button and LED on motor head interface

Reliability and profitability

- Safe protocol
- Somfy quality & warranty

Quick setting using RS485 setting tool

- Open and Closed End limit reset
- Motor rotation direction
- Speed setting
- Touch motion sensitivity
- Reset motor settings
- Node ID discovering

Setting from a distance

- Open and close limits set by both RS485 setting tool and config tool

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Benefits for end users

Simple, effortless and comfort

- Quiet operation thanks to the silent accessories and the motor design
- Move your drapery effortlessly
- Avoid any damage caused by manual operation

Take benefits of RS485 bi-directionality

- Move your drapery to your wished position and be informed when it has been reached

Aesthetic integration

- Discreet design, with cabling hidden
- Adjustable limits, to allow the curtain to fall nicely

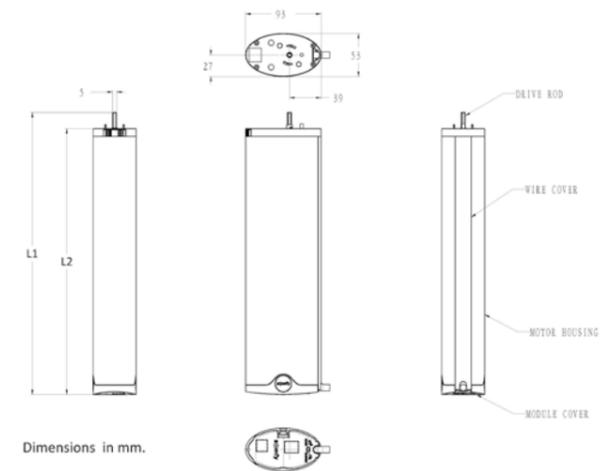
Safety and reliability

- No manual cords : free from danger of strangling

Glydea Ultra 35e/60e RS485

Technical data

Voltage Supply	AC 90 -255V , 50-60Hz
Index Protecting rating	IP 30
Limit Switch type	Electronic
Temperature working range	0°C to 60°C
Temperature storage range	-30°C to +80°C
Insulation class	Class I



Dimensions in mm.

Performances

Nominal torque	0.6Nm / 1.0Nm
Nominal Speed	105 rpm (15cm/s)
Sound level	☹☹☹
Curtain weight	Up to 35kg / 60kg
Dimensions	Track maximum 10m/12m length

Dimensions

L1 (mm)	348
L2 (mm)	328

Certifications



3.2 Controls



RS485 RTS transmitter



The RS485 RTS Transmitter is a motor controller for RTS motors and receivers.

It converts RS485 Somfy commands, coming from home control systems, into RTS orders. Up to 16 RTS addresses: the interface can manage up to 16 groups of RTS products from an RS485 SOMFY network and/or from dry contact inputs (x5). Each group can control several motors/receivers.

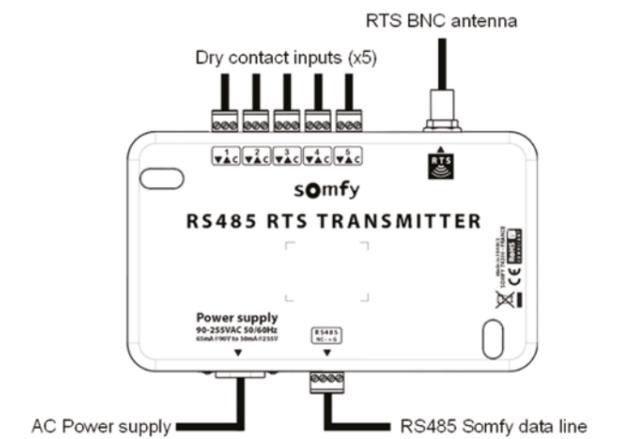
Functional advantages

- Converts RS485 Somfy commands coming from home control systems into RTS orders
- Can control all the range of Somfy RTS products
- Can control up to 16 groups of products
- Can be controlled via RS485 or Dry contact inputs (x5)
Each group can control several motors and receivers
- Up, Down and Stop functions
- Favorite position
- Sun function management
- Modulis compatibility

RS485 RTS transmitter

Technical data

Voltage Supply	90V / 255V
Voltage frequency	50Hz > 60Hz
Amps	100 mA at 90V / 50 mA at 255V
Temperature working range	0°C to 60°C
Protection rating	IP20
Control	DCT / RS485
RTS frequency	433,42 MHz
Connectors	RS485 4-pin 3.5 mm detachable terminal blocks Dry contact up to 5 3-pin 3.5 mm detachable terminal blocks
External antenna	1 BNC Connector



Dimensions

175 x 100 x 56 mm (without antenna)

Certifications



IP Building Controller



Ref. 1 822 314

The IP Building Controller is an integrated hardware and software central device for animeo IP/RS485 and animeo IP/io installations.

It provides dynamic solar management by directly controlling Somfy-motorized window coverings and climate information given by a real-time weather station.

Installation advantages

- For larger installations, the IP Building Controller's capacity can be expanded with the addition of an animeo IP Sub Controller (Ref. 1860201).
- RJ45 and spring clamb connectors for false prove connnections.
- Suitable for wall-mounting and DIN-rail installation.

Functional advantages

- The IP Building Controller features an intuitive graphical user interface to simplify programming, commissioning, operation and system status.
- Automatic discovery of blinds, sensors and local control points.
- No zone limitation; a window can be a single zone.
- Allows configuration and binding of customized web remotes.

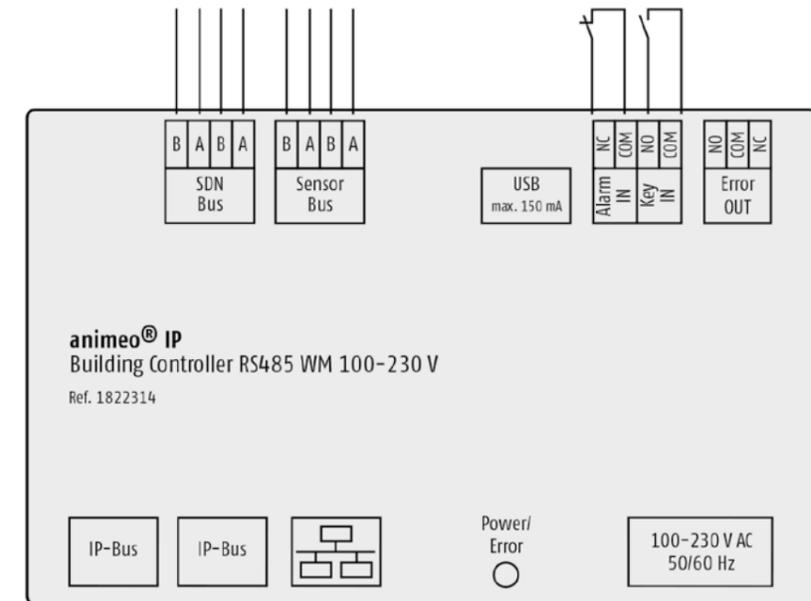
Wiring

Connection	Cables	Twisted pairs	Max. distance
RS485 Bus	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 0.8 mm/20 AWG	Required	1000 m/1650 ft
Sensor Bus	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 0.8 mm/20 AWG	Required	500 m/1650 ft
USB	USB 2.0 Standard A	-	10 m/3 ft
Alarm IN	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 0.8 mm/20 AWG	-	100 m/330 ft
Key switch IN	Min.: 2 x 0.6 mm/22 AWG Max.: 2 x 0.8 mm/20 AWG	-	100 m/330 ft
Error OUT	Min.: 3 x 0.6 mm/22 AWG Max.: 3 x 0.8 mm/20 AWG	-	100 m/330 ft
IP Bus	Cat. 5/100 Mbit/s	-	100 m/330 ft
LAN	Cat. 5/100 Mbit/s	-	100 m/330 ft

Classification

The Building Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 2.5 kV
- Temperature of the ball hardness test: 82 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: UAC = 230 V AC
IAC = 0.07 A (EN 55022 Class B emission)



Characteristics

Supply voltage	100-230 V AC / 50/60 Hz
Stand-by current (IEC 62301)	< 0.08 A@230 V AC < 110 mA@110 V AC
Stand-by power (IEC 62301)	< 5,2 W@230 V AC < 6 W@110 V AC
Terminals	Spring connectors
Alarm IN	Normally closed, SELV 16 V DC
Key IN	Normally open, SELV 16 V DC
Error OUT	Dry contact, NC and NO, 24 V / 1 A max.
Battery	3V / Type CR 2032
Operating temperature	0 °C to 45 °C
Relative humidity	max. 85 %
Material of housing	PC-ABS
Housing dimensions (w x h x d)	100 x 175 x 50 mm
Weight	385 g
Degree of protection	IP 20
Protection class	II
Conformity	www.somfy.com/ce

IP SP Controller



Ref. 1 860 201

The IP Sub Controller expands animeo IP/RS485 and animeo IP/io installations. An IP Building Controller is essential for the integration of an IP Sub Controller.

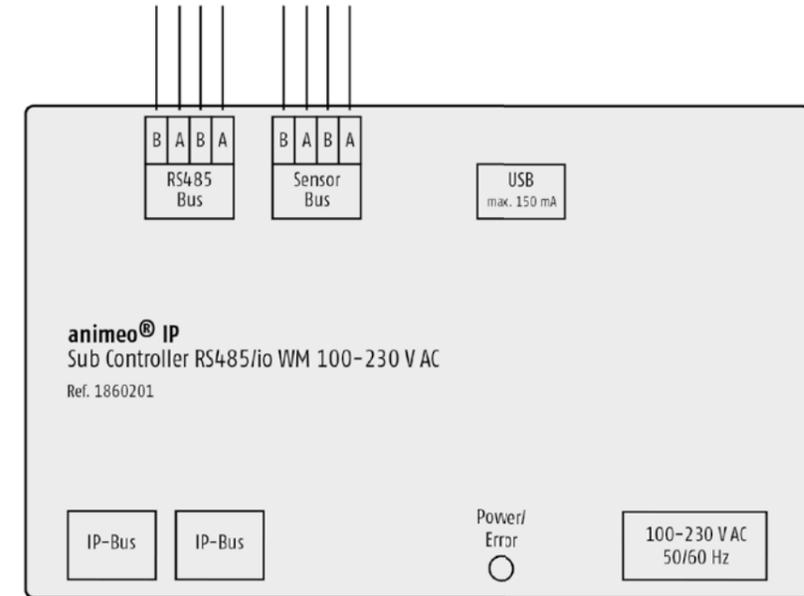
It provides dynamic solar management by directly controlling Somfy-motorized window coverings and climate information given by a real-time weather station.

Installation advantages

- The IP Sub Controller utilizes the IP Building Controller's integrated router to interface over an IP backbone to provide a stable connection between all appliances.
- RJ45 and spring clamb connectors for false prove connections.
- Suitable for wall-mounting and DIN-rail installation.

Functional advantages

- Allows the expansion of the installation and the integration of additional blinds and local control points.
- The IP Sub Controller integrates additional sensors of the real-time weather station.
- Integrated IP switch for simplified connectivity of additional IP Sub Controllers (pass through).



Wiring

Connection	Cables	Twisted pairs	Max. distance
RS485 Bus	Min.: 2 x 0.6 mm/19 AWG Max.: 2 x 0.8 mm/18 AWG	Required	1000 m/1650 ft
Sensor Bus	Min.: 2 x 0.6 mm/19 AWG Max.: 2 x 0.8 mm/18 AWG	Required	500 m/1650 ft
USB	USB 2.0 Standard A	-	1.0 m/3 ft
IP Bus	Cat. 5 / 100 Mbit/s	-	100 m/330 ft

Classification

The Sub Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 2.5 kV
- Temperature of the ball hardness test: 82 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: UAC = 230 V AC
IAC = 0.07 A (EN 55022 Class B emission)

Characteristics

Supply voltage	100-230 V AC / 50/60 Hz
Max. operating current	< 0.08 A@230 V AC < 0.161 A@120 V AC
Stand-by current	< 5.2 W@230 V AC < 5.2 W@120 V AC
Operating temperature	0 °C to 45 °C
Relative humidity	85%
Material of housing	PC-ABS polycarbonate
Housing dimensions (w x h x d)	100 x 175 x 50 mm
Weight	377 g
Degree of protection	IP 20
Protection class	II
Conformity	www.somfy.com/ce

DecoFlex Digital Keypad



Ref. 1 811 289

Provides user with interface to control motors individually or by group.

Compatible with all Somfy Digital Network installations including animeo IP/RS485.

Installation advantages

- Single or multi-gang compatible.
- Standard Decora® size
- Powered by Somfy Digital Network Bus

Functional advantages

- Configurable button functionality preset.
- Auto-discoverable address and location.
- Interchangeable buttons to match selected preset.

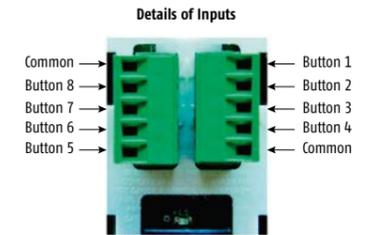
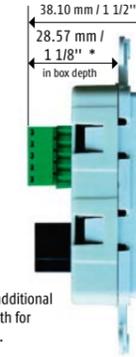
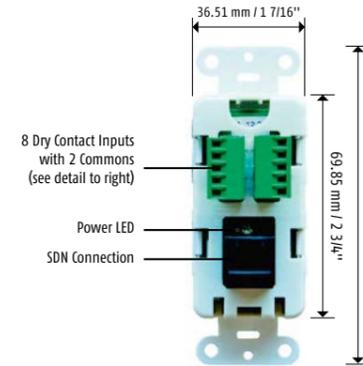
Classification

CE mark

- In accordance with the EMC guideline and low voltage guideline

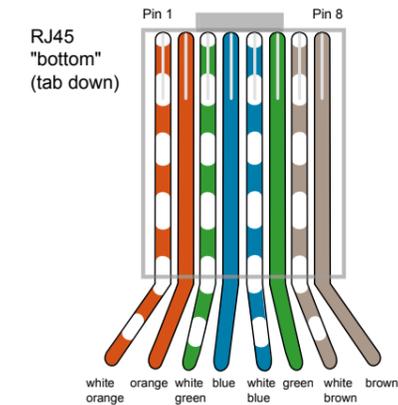
Pollutant

- Comply with RoHS



SDN connection

- Pin 1 SDN +
- Pin 2 SDN -
- Pin 3 NA
- Pin 4 SDN Power + 24 V
- Pin 5 SDN Power + 24 V
- Pin 6 NA
- Pin 7 SDN Power GND
- Pin 8 SDN Power GND & SDN GND



Characteristics

Supply voltage	+ 24 V DC, supplied by Somfy Digital Network Bus
Stand-by current	9 mA @ 24 V DC
Operating temperature	0 °C to 45 °C
Relative humidity	85%
Material	Face plates & buttons: Lexan 945U
Back housing	Fire retardant grade of ABS-FR 15 Na100
Overall dimensions (without wall plate)	36.51 x 69.85 x 38.10 mm
Weight	65 g
Degree of protection	IP 20 (mounted)
Protection class	II
Conformity	www.somfy.com/ce

BMS Interface

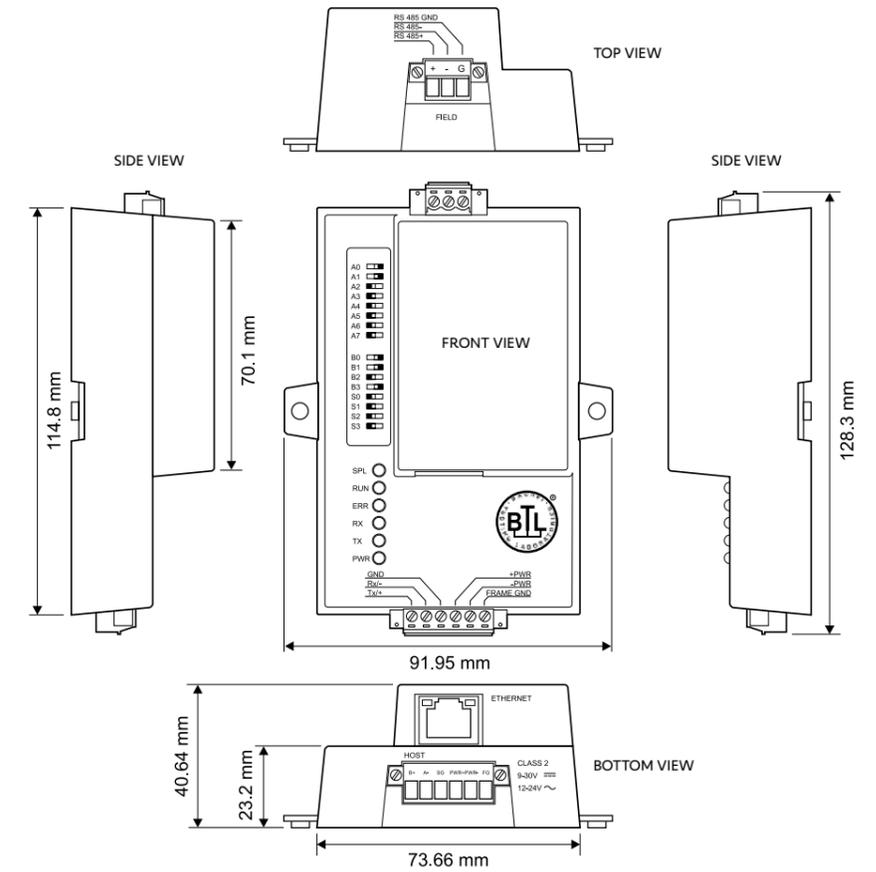
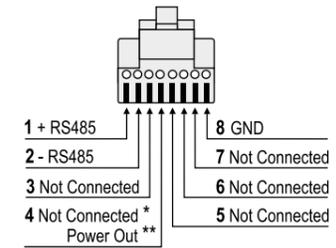
The BMS Interface provides communication between Building Management Systems and Somfy motorized shading systems. It is compatible with Stand-alone SDN, animeo IP/io and animeo IP/RS485 shade systems.



Ref. 1 822 558

This interface communicates through a direct connection to the building automation IP network or uses a BACnet translator box to send and receive signals. The BACnet to animeo IP provides third party communication to stand-alone SDN systems and animeo IP.

When utilizing the interface Somfy motorized system devices provide feedback and could be controlled by the BACnet network.



Installation advantages

- RJ45 connector for false prove connections.
- LED indicators providing information about the status of the product, the normal operation or a system error.

Functional advantages

- Supports up to 1 500 data points.
- Integration capabilities: Modbus, BACnet MS/TP, BACnet IP.
- Programmable through user-friendly interface.
- Auto device discovery for animeo IP.
- System control for stand-alone SDN - controls individual or motors groups:
 - Position (%) - feedback on motors only
 - Position (absolute) - feedback on motors only
 - Intermediate position
 - Up, Stop and Down control
- System control for animeo IP - controls individual or motor groups, sensors and virtual keypads:
 - Position (%) - feedback on motors only
 - Up, Stop and Down control/commands
 - Priority control
 - Sensor data - provides single direction information to BMS system

Wiring

Connection	Cables	Twisted pairs	Max. distance
Somfy Digital Network	CAT5	Required	1.000 m/ 3.300 ft
Power	Max.: 0.8 mm ² /18 AWG Min.: 0.5 mm ² /20 AWG	-	10 m/33 ft
Ethernet Port	RJ45 CAT5	Required	100 m/330 ft
Field	Max.: 0.8 mm ² /18 AWG Min.: 0.32 mm ² /22 AWG	Required	1.000 m/3.300 ft

Characteristics

BACNET INTERFACE	REF. 1822558
Supply voltage	24 V DC
Stand-by current (IEC 62301)	250 mA
Stand-by power (IEC 62301)	2,5 W
Terminals	Screw and RJ45 connectors
Operating temperature	0°C to 50 °C
Relative humidity	5 - 90 % RH, non-condensing
Material of housing	ABS plastic
Housing dimensions (w x h x d)	115 x 92 x 41 mm
Weight	450 g
Degree of protection	IP20
Conformity	www.somfy.com/ce

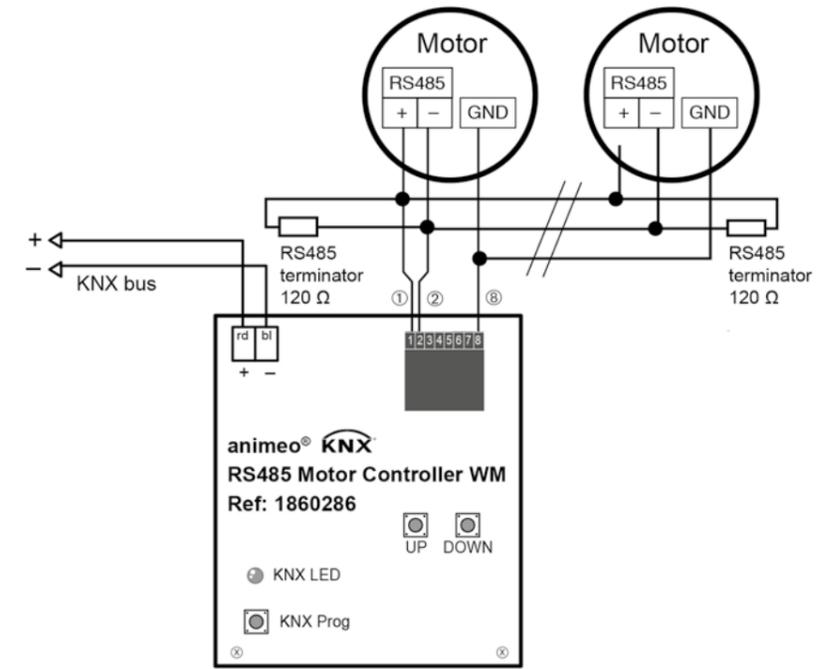
RS485 Motor Controller WM



Ref. 1 860 286

The KNX RS485 Motor Controller enables the controlling of up to 18 motors. The motors can be controlled either individually or by groups.

RS485 motors can be connected via bridging adapter. Different motor types can be used.



Product Features

- Flexible installation: suspended ceiling/raised floor, under-window or wall-mounted wiring channels.
- Quick installation and connection of the motor controller through:
 - Plug and play solution
 - Cable tension relief points to tighten to the housing of the product
 - Daisy chaining of several RS485 motors.
- With the Somfy SDN configuration software the motor settings can be done before configuring via ETS software.
- Perfect alignment of the blind thanks to the increment encoder technology of the RS485 motors.
- The exact position of the blind during move and when reaching the upper and lower end limits can be monitored.
- Using a one Byte telegram over the KNX, the blind can be moved to numerous intermediate positions.

Wiring

Connection	Cables	Twisted pairs	Max. distance
RS485 bus Modular Jack 8P4C (RJ45)	Min.: 4 x 2 x 0.5 mm/24 AWG	Required twisted pair shielded, Impedance 100 Ω (-10 Ω/+30 Ω), Recommended CAT5-FTP, Following Somfy RS485 guidelines	200 m
KNX bus	2 x 0.8 mm/20 AWG	Required, following KNX topology guidelines	-

Classification

The Motor Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Temperature of the ball hardness test: 75 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal

Characteristics

KNX RS485 MOTOR CONTROLLER WM	REF. 1860286
Supply voltage from KNX bus	KNX voltage 21...32 V DC, SELV
Rated current consumption KNX	As per KNX guidelines, <= 12.5 mA
Supply voltage of local push buttons	SELV, 16 V DC
Terminals	RJ45
Operating temperature	- 5 °C to 50 °C
Relative humidity	max. 85 %
Material of housing	PC-ABS
Housing dimensions (w x h x d)	90 x 180 x 45 mm
Degree of protection	IP 20
Protection class	III
Pollution degree	2
Conformity	www.somfy.com/ce

RTS Receiver 433 MHz WM



Ref. 1 860 292

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

The receiver enables the controlling of shades, any switch function, lighting and dimming or HVAC. The receiver is simply powered over the KNX bus network.

Installation advantages

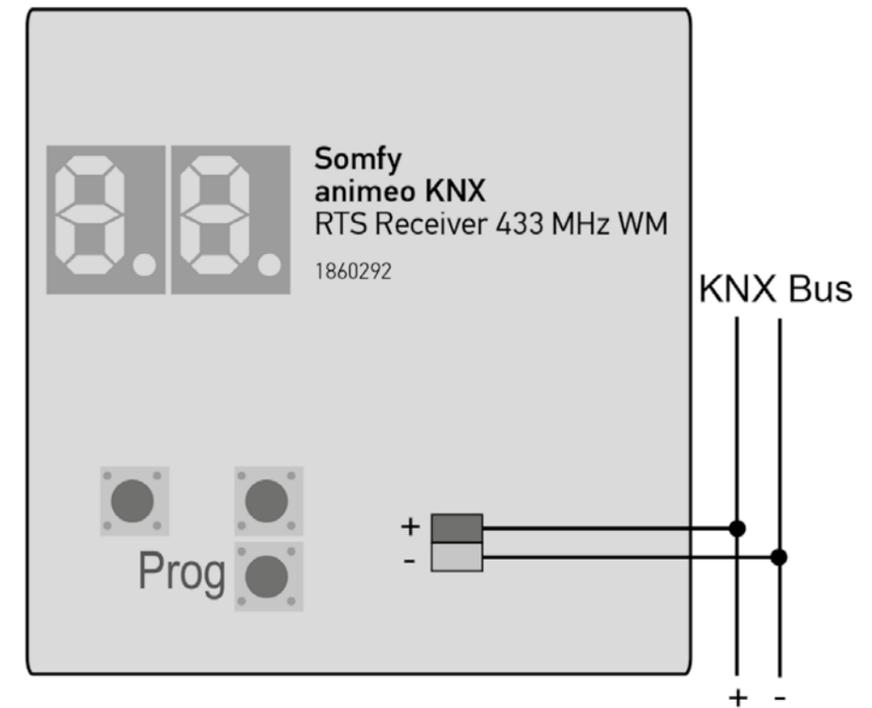
- Suitable for visible or non visible wall-mounting environments and on flush-mounted boxes.
- Somfy RTS transmitters can easily be trained in via a display independent of the ETS software.
- The device is powered over the KNX bus network.

Functional advantages

- Enables control of all types of solar shadings and other applications (switch functions, lighting and dimming, HVAC) via the same remote control.
- Up to 10 universal radio inputs with max. 5 transmitters per input. The application per radio input is freely definable.
- Enables the use of ergonomic user interfaces such as scroll wheels (Somfy Telis Modulis) to control Venetian blinds and light dimming.
- For configuration changes radio inputs can be activated via the ETS for teaching in of transmitters without the need to physically access the receiver.

Wiring			
Connection	Cables	Twisted pairs	Max. distance
KNX bus	2 x 0.8 mm/20 AWG	Required, following KNX topology guidelines	-

Compatible
<p>Compatible with the following Somfy RTS transmitters.</p> <ul style="list-style-type: none"> • Situo RTS Pure 433 MHz, Telis 1 RTS 433 MHz, Telis 4 RTS 433 MHz, Telis 1 Modulis RTS 433 MHz, Telis 4 Modulis RTS 433 MHz, Telis 6 Chronis RTS 433 MHz, Telis 16 RTS pure 433 MHz, Sunis Indoor Wirefree RTS 433 MHz, Thermosunis Indoor Wirefree RTS 433 MHz, Chronis RTS L 433 MHz, Chronis RTS Smart 433 MHz, Smoove 1 RTS 433 MHz, Smoove Origin RTS 433 MHz



Characteristics

	REF. 1860292
Supply voltage from KNX bus	KNX voltage 21...30V DC, SELV
Radio frequency	433 MHz
Radio range	20 m / 2 walls
Rated current consumption	As per KNX guidelines ≤ 12.5 mA
Operating temperature	- 5 °C to 50 °C
Relative humidity	max. 85 %
Material of housing	PA 6.6 GF 30 %/PC
Housing dimensions (w x h x d)	81 x 81 x 25 mm
Weight	60 g
Degree of protection	IP 20
Protection class	III
Pollution degree	2

3.3

Power Supplies



POWER SUPPLIES 24V DC



- POWER 2,7 DC 230V/24V**
- 230 VAC / 24 VDC 2,7 A group power supply
 - Can power up to 6 motors
 - Surface mounting

Ref. 1 870 156



- POWER 1.5 CABLE 230/24V**
- 230 VAC / 24 VDC 1,5 A group power supply
 - Can power up to 3 motors
 - Surface mounting
 - Mains plug sold separately

Ref. 1 870 149



- ANIMEO DC POWER**
- 230 VAC / 24 VDC group power supply
 - Can power up to 11 motors
 - Surface mounting
 - DIN rail compatible

Ref. 1 860 093

- S51 DC SWITCH**
- 5 positions whit DC rocker switch
 - 2 momentary positions for pulse tilting - 2 fixed positions for lifting
 - Surface mounting box sold separately #9660135

Ref. 1 870 061

POWER SUPPLY ULTRA 24V DC US

Ref. 1 822 209

POWER SUPPLY ULTRA 24V DC EU

Ref. 1 822 658

24V DC POWER SUPPLY - MOTOR COMPATIBILITY RANGE

		SONESSE 30 RS485	SONESSE 50 RS485
Ref. 1 870 149	POWER 1,5 DC W/CABLE UNIV/24 V	1	NC
Ref. 1 870 156	POWER 2,7 DC 230 V/24 V	2	
Ref. 1 870 035	GPS100	2	NC
Ref. 1 860 093	ANIMEO DC POWER	3	1
Ref. 1 822 209	POWER SUPPLY ULTRA 24V DC US	NC	1
Ref. 1 822 658	POWER SUPPLY ULTRA 24V DC EU	NC	1

RS485 Power supply

A component designed to power RS485 Somfy Digital Network devices via the RS485 network segment.



Ref. 9 019 003

Product Features

- Power supply with 2 x RJ45 connector to ease the wiring (in and out).
- Provides earth grounding and surge protection
- Helps protect against ESD events

Characteristics

Output voltage	24 V DC @ 1.0 A
Input voltage	90 V AC - 260 V AC
Input rated frequency	47-63 Hz
Input current	0.6 A @ 120 V AC 0.4 A @ 240 V AC
Input inrush current	< 60 A Peak @ 120 V AC < 120 A Peak @ 230 V AC
Efficiency	min. 80 %
Output line regulation	± 1 %
Output load regulation	± 3 %
Operating temperature	0° C to 40° C
Storage temperature	- 30° C to +70° C
Housing dimensions (w x h x d)	132 x 200 x 72 mm
Material of housing	Glass, metal and CC-ABS polycarbonate
Weight	135 g
Conformity	www.somfy.com/ce

3.4

Accessories



Cable accessories



RS485 6X RJ45 Bridging Adaptor



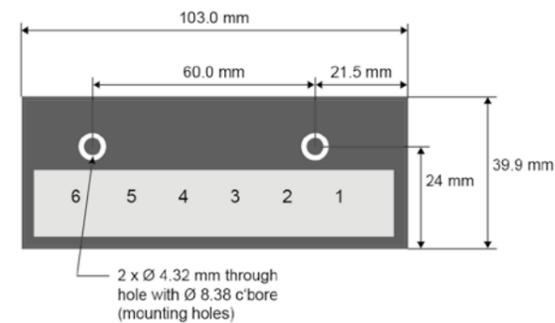
Ref. 9 019 004

A component designed to ease the connection RS485 Somfy Digital Network devices on RS485 network segment.

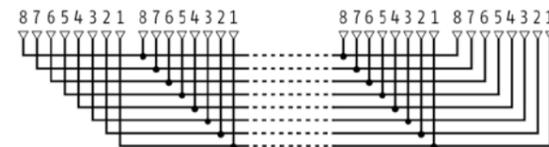
Installation advantages

- 6 x RJ45 bridging adaptor for the wiring of the RS485 Somfy Digital Network devices.
- Two holes for mounting to a wall or panel.

Mounting holes



Wiring diagram



Characteristics

Pollutant	Complies with RoHS
Materials	Housing: ABS, grey color Contacts: gold plated, phosphor bronze
Dimension	103 x 39,9 x 26,5 mm
Weight	70 g

RS485 Terminator

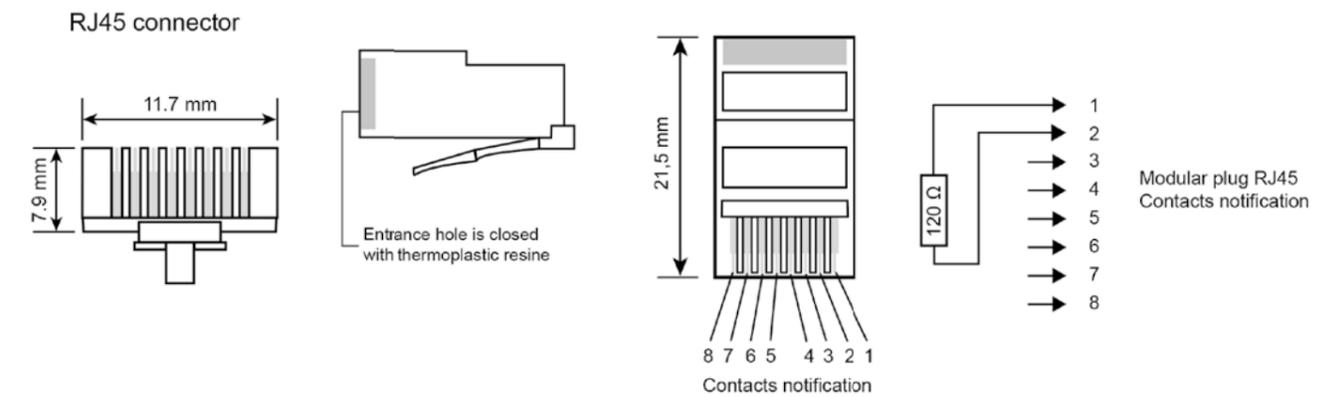


Ref. 9 019 005

A RS485 component designed to terminate RS485 network segment.

Installation advantages

- Easy plug in RJ45



Characteristics

Resistor	120 Ω, 0.3 W
Current rating	1.5 A
Dielectric withstanding voltage	1000 V RMS 50 Hz
Contact resistance	max. 20 mΩ
Insulation resistance	min. 500 MΩ
Output load regulation	+/- 5 %
Operating temperature	- 30° C to + 90° C
Storage temperature	- 30° C to + 90° C
Transport temperature	- 30° C to + 90° C
Housing material	Polycarbonate UL94V-2 Color: transparant
Contacts	Phosphor bronze alloy, gold plated over nickel
Pollutant	Comply witht RoHS
Weight	2 g

Cable accessories

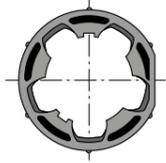
CABLE DATA

Ref. 9 014 575	CAT 5 TEE	Ref. 9 019 873	SDN CABLE FOR ULTRA DC TO SETTING TOOLS
Ref. 9 018 490	2 M CABLE RJ9 RJ45 (MALE-MALE)	Ref. 9 019 190	SONESSE 30 RS485 CABLE RJ45
Ref. 9 018 491	20 CM CABLE RJ9 RJ45 (MALE-MALE)	Ref. 9 019 191	RS485 CABLE JST II RJ45
Ref. 9 019 606 / 9 020 004	SDN CABLE FOR ULTRA DC	Ref. 9 019 004	HUB RS485 6XRJ45

Motor accessories

SONESSE 30 RS485

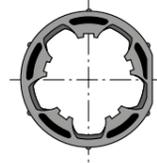
	<p>SONESSE 30 CROWN & DRIVE ROLLEASE 1,50"/38MM</p> <ul style="list-style-type: none"> • Sonesse 30 Crown & drive • For Rollease • Tube diameter 38mm 		<p>SONESSE 30 CROWN & DRIVE LS 40</p> <ul style="list-style-type: none"> • Sonesse 30 Crown & drive • Compatible with all LS 40 accessories
Ref. 9 013 775		Ref. 9 013 776	
	<p>SONESSE 30 CROWN & DRIVE HD 38MM</p> <ul style="list-style-type: none"> • Sonesse 30 Crown & drive • For Hunter Douglas • Tube diameter 38mm 		<p>SONESSE 30 CROWN & DRIVE LOUVOLITE 40MM</p> <ul style="list-style-type: none"> • Sonesse 30 Crown & drive • For Louvolite • Tube diameter 40mm
Ref. 9 013 938		Ref. 9 014 045	
	<p>SONESSE 30 CROWN & DRIVE BLOCKER / DUOFLOOR</p> <ul style="list-style-type: none"> • Sonesse 30 Crown & drive • For Blocker and Duofloor 	Ref. 9 014 794	POWER CABLE JWT 2 WIRE
Ref. 9 015 030		Ref. 9 014 793	DCT CABLE JWT 4 WIRE
	<p>SONESSE 30 CROWN & DRIVE LOUVOLITE 45MM</p> <ul style="list-style-type: none"> • Sonesse 30 Crown & drive • For Louvolite • Tube diameter 45mm 	Ref. 9 015 842	SONESSE RS485 CABLE
Ref. 9 014 333		Ref. 9 019 584	SONESSE 30 CROWN COULISSE RTU-38
		Ref. 9 019 588	SONESSE 30/ROLL UP WHEEL COULISSE RTU-38



LT50 WHEEL 50x1.5 HARD CLIP

- LT50 wheel
- Tube diameter 50x1,5mm
- Hard clip

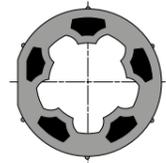
Ref. 9 410 414



LT50 WHEEL 50x1,5 WEAK CLIP LIMIT 50NM

- LT50 wheel
- Tube diameter 50x1,5mm
- Soft clip

Ref. 9 410 415



LT50 WHEEL FOR TUBE D60

- LT50 wheel
- Tube diameter 60x1,5mm
- Hard clip

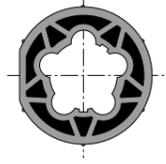
Ref. 9 751 013



LT50 WHEEL FOR TUBE D63 x1,5 SOFT CLIP

- LT50 wheel
- Tube diameter 63x1,5mm
- Soft clip

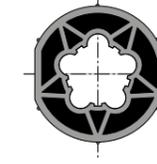
Ref. 9 206 041



LT DRIVE WHEEL DIAM 63MM

- Drive wheel for LT
- Tube diameter 63mm
- Hard clip

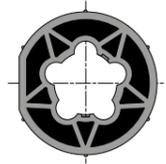
Ref. 9 206 019



LT50 WHEEL FOR TUBE D70 x1.5 SOFT CLIP

- LT50 wheel
- Tube diameter 70mm
- Soft clip

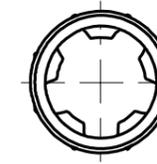
Ref. 9 206 026



LT50 WHEEL FOR TUBE D70 x2

- LT50
- Tube 70mm

Ref. 9 420 313



LT50 WHEEL TUBE WAREMA D50

- LT50 wheel
- For Warema
- Tube diameter 50mm

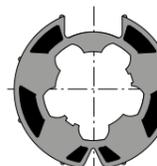
Ref. 9 707 125



LT50 WHEEL TUBE 60 GRIESSER

- LT50 wheel
- For Griesser 60 soloscreen
- Tube diameter 60mm

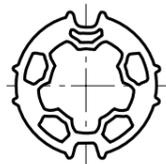
Ref. 9 410 401



LT50 WHEEL FOR TUBE D.62 DEPRAT

- LT50 wheel
- For Deprat F2000
- Tube diameter 62mm

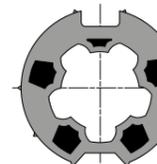
Ref. 9 410 302



LT50 WHEEL FOR TUBE D.62

- LT50 wheel
- Tube diameter 62mm
- Hard clip

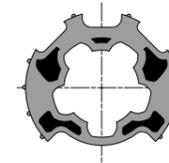
Ref. 9 751 006



LT50 WHEEL FOR TUBE D.63 BK STO REN

- LT50 wheel
- For BK STO BEN
- Tube diameter 63mm
- Hard clip

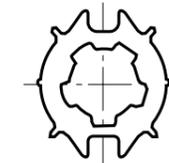
Ref. 9 751 014



LT50 WHEEL FOR TUBE D.65 MADOPRON, SUNMASTER

- LT50 wheel
- For Madopron, Sunmaster
- Tube diameter 65mm
- Hard clip

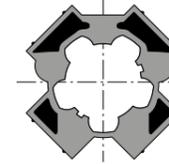
Ref. 9 751 002



LT50 WHEEL FOR PERMA TUBES

- LT50 wheel
- For Perma Tubes

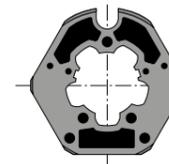
Ref. 9 751 015



LT50 WHEEL TUBE OCTO 60

- LT50 wheel
- Octogonal tube diameter 60mm
- Hard clip

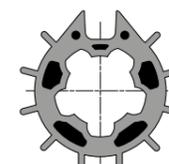
Ref. 9 410 304



LT50 WHEEL FOR TUBE D.70 GRIESSER

- LT50 wheel for tube diameter 70
- Hard clip

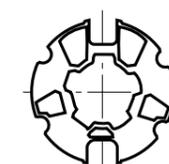
Ref. 9 410 406



LT50 WHEEL FOR TUBE D.70 DOHN WIH GUT IMBAC D.71 x2

- LT50 wheel
- Tube diameter 71x2mm
- Hard clip

Ref. 9 751 005



LT50 WHEEL FOR TUBE D.74

- LT50 wheel
- Tube diameter 74mm
- Hard clip

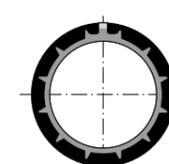
Ref. 9 751 009



LT50 WHEEL FOR TUBE D.71 PERMA

- LT50 wheel
- For Perma
- Tube diameter 71mm
- Hard clip

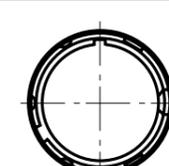
Ref. 9 761 011



LT50 CROWN FOR TUBE D.60

- LT50 crown
- Tube diameter 60mm

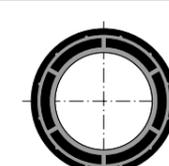
Ref. 9 707 033



LT50 CROWN DS 63x1.5

- LT50 crown
- Tube diameter 63mm

Ref. 9 707 029



LT50 CROWN FOR TUBE D.70

- LT50 crown
- Tube diameter 70mm

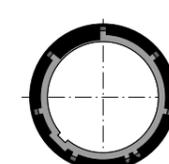
Ref. 9 707 031



LT50 CROWN TUBE 60 GRIESSER

- LT50 crown
- For Griesser 60 soloscreen
- Tube diameter 60mm

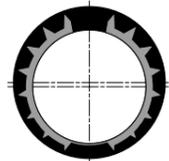
Ref. 9 410 402



LT50 CROWN FOR TUBE D.62 F2000

- LT50 crown
- Tube diameter 62mm

Ref. 9 410 300



LT50 CROWN TUBE E-DS 63

- LT50 crown
- Tube diameter 63mm

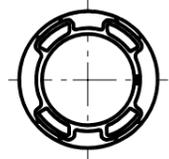
Ref. 9 707 028



LT50 CROWN FOR TUBE MP 65

- LT50 crown
- Tube diameter 65mm

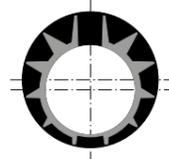
Ref. 9 707 030



LT50 CROWN FOR PERMA 68 / 70 / 71

- LT50 crown
- For Perma
- Tube diameter 68mm, 70mm, 71mm

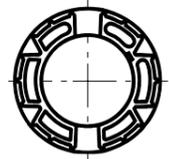
Ref. 9 707 036



LT50 CROWN FOR DOHNER 70

- LT50 crown
- For Dohner
- Tube 70mm

Ref. 9 707 034



LT50 CROWN FOR DOHNER D.74

- LT50 crown
- For Dohner
- Tube diameter 74mm

Ref. 9 707 037



UNIVERSAL BRACKET WITH CLIP

- Max torque: 85Nm
- White laquered
- 2 holes Ø 6mm - 48mm entraxe
- 2 holes Ø 8mm - 60mm entraxe
- Delivered without screws

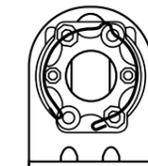
Ref. 9 002 516



ADJUSTABLE PLUG END PIN D10

- Adjustable Plug end
- Max: LT50 50Nm
- Max with FTS system: FTS50 25/17

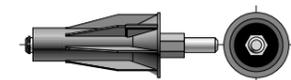
Ref. 9 420 800



LT50 ADJUSTABLE AWNING BRACKET

- Max: 25Nm

Ref. 9 002 550



ADJUSTABLE PLUG END PIN D12

- Adjustable Plug end
- Max/ LT50 50Nm
- Max with FTS system: FTS50 25/17

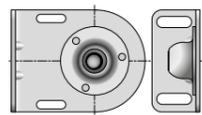
Ref. 9 420 801



VIBRATION FREE LT50 BRAC. 90MM

- Max: 40Nm
- Fixing entraxe: 90mm
- It has to be sold with some advices concerning the installation (i.e. treatment of the end product and its fixation)

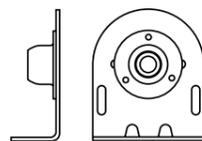
Ref. 9 410 739



ZINCKED PLUG END BRACK. PIN 12

- For pin Ø12mm
- Max: LT50 50Nm

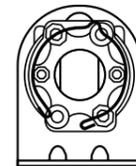
Ref. 9 410 633



LACQUERED PLUG END BRACKET FOR PIN 12

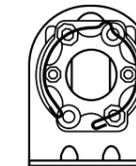
- For pin Ø12mm
- Max: LT50 50Nm

Ref. 9 410 634



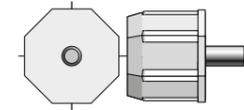
ZINCKED LT50 BRACKET

Ref. 9 416 51



WHITE LQ LT50 BRACKET

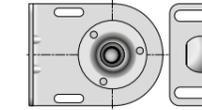
Ref. 9 410 652



OCTOGONAL PLUG END FOR DEPRAT

- For pin Ø 8mm
- Max: 8Nm

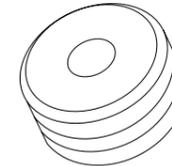
Ref. 9 137 018



ZINCKED PLUG END BRACK. PIN 10

- For pin Ø12mm
- Max: LT50 50Nm

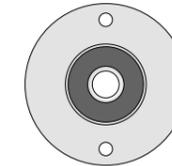
Ref. 9 4106 35



ANTIVIBRATION WASHER

- Max torque: 85Nm to be used with ref. 9 127 808

Ref. 9 410 735



VIBRATION FREE PLUG END BRACKET

- Max: 8Nm

Ref. 9 701 310



TELESCOPIC END CAP D10 FOR SONESSE 50

- Max: 4Nm
- Rn Ø10mm

Ref. 9 013 592



TELESCOPIC END CAP D12 FOR SONESSE 50

- Max: 4Nm
- Rn Ø12mm

Ref. 9 013 593



SONESSE 50 WHEEL SOFT CLIP TUBE 50 x 1.5MM

- Max: 15Nm
- Soft clip
- For tube 50 x 1,5mm

Ref. 9 018 455



SONESSE 50 WHEEL HARD CLIP TUBE 50 x 1.5MM

- Max: 15Nm
- Hard clip
- For tube 50 x 1,5mm

Ref. 9 016 630



SONESSE 50 TELESCOPIC END CAP D10

- Max: 15Nm
- Rn Ø10mm
- For tube 50 x 1,5mm

Ref. 9 016 628



VIBRA. FREE PLU END BRAC. 90MM

- Max: LT50 40Nm
- Fixing entraxe: 90mm
- Compatible with the plug ends with a pin Ø 12
- It has to be sold with some advices concerning the installation (i.e. treatment of the end product and its fixation)

Ref. 9 410 740



SONESSE 50 TELESCOPIC END CAP D12

- Max: 15Nm
- Rn Ø12mm
- For tube 50 x 1,5mm

Ref. 9 018 228



SONESSE 50 UQ UNIVERSAL END CAP

- 10mm shaft

Ref : 9019716



SONESSE 50 UQ UNIVERSAL END CAP

- 12mm shaft

Ref. 9019717

Curtains

COMPONENTS



PULLEY GA

- Pulley assembly to put opposite the motor side
- Color: White
- Does not come with hooks
- Unit weight: 82 g

Ref. 1 780 897



RAIL 5M BY 4 GA

- 5 m long track aluminium profile
- Color: White
- Delivered in a box with 4 rails

Ref. 1 781 379



DRIVE PULLEY GA

- Pulley assembly to use on the motor side
- Color: White
- Does not come with hooks
- Unit weight: 73 g

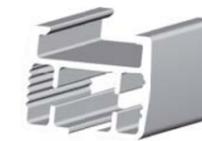
Ref. 1 780 945



10MM PRELUB BELT 55M ROLL GA

- Roll of 55 m reel, 10 mm black pre-lubed belt
- Approx. 2 times the length of the track is necessary
- Can be used on heavy duty track configurations & shape including ripple curtain to the maximum weight capacity of somfy curtain motors

Ref. 1 782 084



RAIL 16FT BY 6 GA

- 16 ft long track aluminium profile
- Color: White
- Delivered in a box with 6 rails

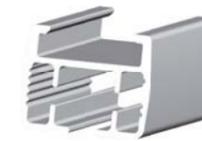
Ref. 9 019 463



HEAVY DUTY MASTER CARRIER GA

- Heavy Duty & quiet one piece non articulating master carrier
- Can be used on heavy duty track configurations & shape including ripple curtain to the maximum weight capacity of somfy curtain motors

Ref. 1 781 344



NON PAINTED RAIL 5.8M BY 4 GA

- Must be painted before used, (painted guideline to be followed)
- 5 m long track aluminium profile
- Color: White
- Delivered in a box with 4 rails
- Only ship by truck & boat

Ref. 1 782 562



MEDIUM DUTY BELT 100M/ROLL

- Roll of 100 m reel, 10 mm black pre-lubed belt
- Approx. 2 times the length of the track is necessary
- Can be used on maximum 35kg curtain weight 6 meters straight track

Ref. 1 782 783



SMALL PULLEY GA

- Pulley assembly to put opposite the motor side
- Color: White
- Does not come with hooks

Ref. 1 782 318



MEDIUM DUTY MASTER CARRIER GA

- Medium Duty master carrier
- Can be used on maximum 35kg curtain weight
- 6 meters straight track

Ref. 1 782 783

STANDARD HEADING ACCESSORIES



ROTATING EYE RUNNER GA

- Runner mounted on wheels with rotating eyelet
- Can not be used with ripplefold
- Width: 14 mm / Max load: 1.5 kg
- Qty: typical 10 per meter
- Color: White
- Unit weight: 3.2 g

Ref. 1 780 892



HIGHT PERFORMANCE ROTATING EYE RUNNER

- Runner mounted on wheels with rotating eyelet
- Can not be used with ripplefold
- Wheel shape make it quieter
- Qty: typical 10 per meter
- Color: White
- Unit weight: 3.2 g

Ref. 1 781 415



HEAVY DUTY STRAIGHT ARM GA

- Stainless steel arm to be optionally screwed on the heavy duty master carrier of two way tracks. Allows to hang curtain with pleates with 3 pitch
- Unit weight: 29 g

Ref. 1 781 416



HEAVY DUTY OVERLAP ARM KIT GA

- Stainless steel overlap arm with roller wheel to be used on the heavy duty master carrier on one way tracks or two way system when additional blackout is needed

Ref. 1 781 417



MOTOR HOOK GA

- Plastic hook to hang the curtain on the pulleys. Quantity needed is minimum 1 for one way tracks & 2 for two way tracks. More might be needed
- Color: White
- Unit weight: 2.3 g

Ref. 1 780 895

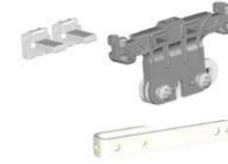


GLYSTRO ADAPTER PLATE

- Plate for replacement of a Glystro motor by a Glydea 60e motor. After sale

Ref. 1 782 106

STANDARD HEADING ACCESSORIES



MEDIUM DUTY MASTER CARRIER GA W/SMALL ARM

- Medium Duty master carrier with small arm
- Can be used on maximum 35kg curtain weight
- 6 meters straight track.

Ref. 1 782 786



MEDIUM DUTY MASTER CARRIER GA W/ OVERLAP ARM

- Medium Duty master carrier with small arm
- Can be used on maximum 35kg curtain weight
- 6 meters straight track

Ref. 1 782 785



MEDIUM DUTY MASTER CARRIER GA W/RIPPLE UNDERLAP ARM

- Medium Duty master carrier with ripple under lap arm for classic & ripple solutions
- Can be used on maximum 35kg curtain weight
- 6 meters straight track.

Ref. 1 782 787



MEDIUM DUTY MASTER CARRIER GA W/RIPPLE UNDERLAP ARM

- Medium Duty master carrier with ripple under lap arm for classic & ripple solutions.
- Can be used on maximum 35kg curtain weight
- 6 meters straight track.

Ref. 1 782 788

SILENT ACCESSORIES



SILENT MASTER CARRIER

Ref. 1 782 922



SILENT ROTATING EYE RUNNER

Ref. 1 782 921

Curtains

RIPPLEFOLD ACCESSORIES



RIPPLE RUNNER 17/8 GA

- Runner mounted on wheels for 120% fullness ripple curtains. Supplied in a roll of 500 runners. Cord already snapped on the runner body. 500 snap penpands supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 21/m

Ref. 1 780 901



RIPPLE RUNNER 21/8 GA

- Runner mounted on wheels for 100% fullness ripple curtains. Supplied in a roll of 500 runners. Cord already snapped on the runner body. 500 snap penpands supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 19/m

Ref. 1 780 902



RIPPLE RUNNER 23/8 GA

- Runner mounted on wheels for 80% fullness ripple curtains. Supplied in a roll of 500 runners. Cord already snapped on the runner body. 500 snap penpands supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 19/m

Ref. 1 780 903



RIPPLE MOTOR HOOK GA

- Specific plastic hook with a female snaps to use for ripple curtains
- Color: White

Ref. 1 782 084



RIPPLE MOTOR HOOK GREY GA

- Specific plastic hook with a female snaps to use for ripple curtains
- Color: Grey

Ref. 1 780 947



RIPPLE STRAIGHT ARM

- Stainless steel arm to be screwed on the heavy duty master carrier of two way track when a ripple curtain with overlap solution is needed

Ref. 1 780 946



RIPPLE OVERLAP ARM KIT

- Stainless steel overlap arm with roller wheel to be used with the heavy duty master carrier on one way ripple curtain with overlap

Ref. 1 780 947



RIPPLEFOLD BUTT ARMS KIT

- Steel arms kit to be used with master carrier GA on two way tracks with butt arms
- 2 kits are needed for a two way tracks

Ref. 1 780 953



RIPPLE SNAP TAPE

- Ripple snap tape 4 1/4 (108 mm) reel of 91 m

Ref. 1 782 301



SMALL RIPPLE OVERLAP ARM GA KIT

- Stainless steel overlap arm with roller wheel to be used with the heavy duty master carrier on two way ripple and classic curtain with overlap solution (for better curtain look)

Ref. 1 782 320

Curtains

RIPPLEFOLD ACCESSORIES



SMALL RIPPLE OVERLAP ARM GA KIT

- Stainless steel underlap arm with roller wheel to be used with the heavy duty master carrier on two way ripple and classic curtain with overlap solution (for better curtain look)

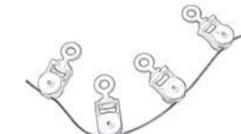
Ref. 1 782 321



RIPPLE ONE WAY BUTT ARM GA

- Steel arms kit

Ref. 1 780 902



ROTATING RIPPLE EYELLET RUNNER 60 MM GA

- Runner mounted on wheels for 80% fullness ripple curtains. Supplied in a roll of 500 runners. Cord is already snapped on the runner body. 500 rotating runner eyellet supplied in a different bag
- No need to use snap tape

Ref. 1 782 310

BRACKETS



SWIVEL CEILING BRACKET GA

- Swivel ceiling bracket
- Minimized light gap (2 mm)
- Color: Zinc plated
- Minimum qty necessary 2.5/m
- Unit weight: 12.5 g

Ref. 1 780 906



ONE TOUCH CEILING BRACKET GA

- Ceiling bracket allows for easy positioning of the fixing holes & snap on mounting of the track
- Color: White
- Minimum qty necessary 2.5/m
- Unit weight: 20 g

Ref. 1 780 907



CEILING FIXING PLATE

- Ceiling bracket allows for easy positioning & fix the track on the ceiling
- Color: White
- Minimum qty necessary 0.5 per meter
- UNIT WEIGHT = xx g

Ref. 1 782 789

Curtains

RIPPLEFOLD ACCESSORIES



Ref. 1 780 909

ADJUSTABLE WALL MOUNT BRACKET GA

- Wall mount angle bracket with minimum 100 mm projection & 34 mm extension capability
- Can be used in combination with ceiling brackets 1 780 906 & 1 780 907. Supplied with the screws to fix one ceiling brackets
- No ceiling bracket supplied



Ref. 1 780 910

DOUBLE ADJUSTABLE WALL MOUNT BRACKET GA

- Wall mount angle bracket with minimum 100 mm projection & 34mm extension capability
- Can be used in combination with ceiling brackets 1780906 & 1780907. Supplied with the screws to fix one ceiling brackets
- No ceiling bracket supplied



Ref. 1 7823 16

HEAVY DUTY RAIL JOINT GA

- Stronger piece to link two rails

SPARE PARTS, ELECTRICAL ACCESSORIES, TOOLS



Ref. 1 780 908

TOP MOUNT KIT GA

- Kit of accessories to allows the Up side Down installation



Ref. 1 780 955

CUSHION FOR BELT GA

- Rubber part to be positioned in the assembled track to prevent the belt to get off splitted track transported folded



Ref. 1 781 913

ROTATING RUNNER EYLET GA

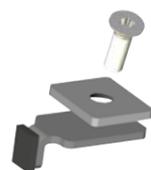
- Standard runner eylet spare parts



Ref. 1 780 948

RIPPLE PENDANT GA

- Ripple runner pendant



Ref. 1 780 954

PULLEY STOPPER GA

- Spare pulley stopper assembly as a kit
- Unit weight: 5 g



Ref. 1 780 898

PULLEY COVER GA

- Spare pulley cover
- Color: White
- Unit weight: 9.5 g

Curtains

SPARE PARTS, ELECTRICAL ACCESSORIES, TOOLS



Ref. 1 782 583

PULLEY COVER GREY GA

- Spare pulley cover
- Color: Grey
- Unit weight: 9.5 g



Ref. 9 014 068

RJ9 / RJ12 ADAPTER

- Plastic adapter needed to adapt the RJ9 plug of the IR3 sensor in the RJ12 motor socket



Ref. 9 015 579

MOTOR BOTTOM COVER GA

- Spare motor bottom

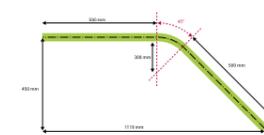


Ref. 9 015 443

DCT 2.5 M CABLE

- Wire, 2.5 m cable equipped with RJ12 plug to use during installation in combination with the DCT tool

BENT RAILS FROM LOGISTICS



Ref. 1 782 258

GA BENT RAIL

- 750x750mm
- R: 300 mm
- A: 45°



Ref. 1 782 259

GA BENT RAIL

- 900x900mm
- R: 300 mm
- A: 90°

Part 4

Tools & Guides



Setting tools

RS485 Setting Tool

Purpose of this tool

- This tool is used to program RS485 motor
 - Motor rotation
 - End limits
 - Preset positions (setting, testing, erasing)
 - Speed for DC motors
 - Factory default
- This tool is also used to see parameters of a motor

Where to get it ?

- Available at LI Ref 9 017 142

USB/RS485 interface

Purpose of this tool

- Fast and easy plugging on MoCo to commission or diagnostic a MoCo.
This tool is plugged in the extension box connector (RS485)

Where to get it ?

- You can order it on internet with key words :
Abus TV RS485 USB interface TV8468

USB/SDN interface

Purpose of this tool

- Fast and easy plugging tool for any SDN devices SDN protocol directly embed on the cable

Where to get it ?

- Available at LI: end 2020
- Ref coming soon

Configuration tools

SDN Configuration Tool

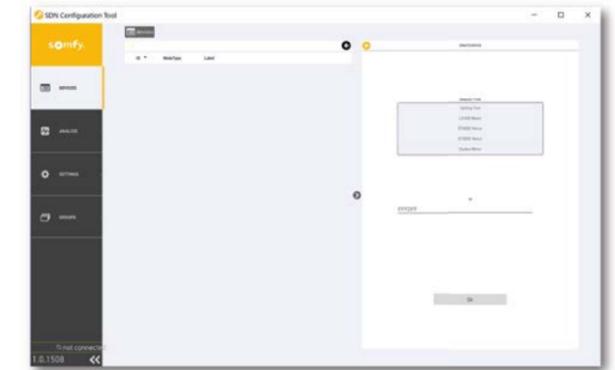
Purpose of this tool

PC software for the blind installers, blind makers & system integrators to set:

- Motor rotation
- End limits
- Preset positions (setting, testing, erasing)
- Speed for DC motor
- Factory default
- Motor software upgrade

Where to get it ?

- Available in Somfy Projects website: www.somfy.com/projects/downloads



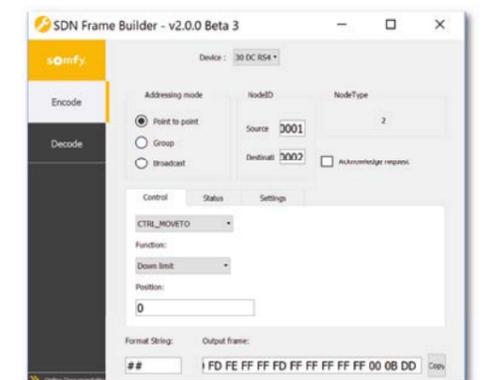
Frame builder

Purpose of this tool

- PC software dedicated to system integrators. This software allows to create SDN frame building by selecting the desired motors. Those frames will be directly useable by copy/paste them on the desired third party controllers. The explanations of the frame building can be found in the SDN Integration guide.

Where to get it ?

- Available in Somfy Projects website: www.somfy.com/projects/downloads



Guides

SDN Integration guide

Purpose of this tool

- Explain the technical information needed to create and manage SDN devices (protocol information).

Where to get it ?

- Somfy Projects website:
www.somfy.com/projects/downloads



SDN Wiring guide

Purpose of this tool

- Document summarizing the mandatory wiring rules of the hardware installation.

Where to get it ?

- Somfy Projects website:
www.somfy.com/projects/downloads



Part list

SONESSE 30 RS485

Description	
Ref. 1 000 658	Sonesse 30 RS485 2/28

LT 50 RS485

Description	
Ref. 1 002513	505S6 LT RS485 5/38 SASO VVF3M UNIT
Ref. 1002 514	512S6 LT RS485 12/38 SASO VVF3M UNI
Ref. 1 002 517	LT 50 RS485 6/32 VVF3M CCC
Ref. 1 002 518	LT 50 RS485 15/32 VVF3M CCC
Ref. 1 002 519	LT 50 RS485 6/17 RRF3M CCC
Ref. 1 002 520	LT 50 RS485 15/17 RRF3M CCC
Ref. 1 002 521	LT 50 RS485 35/17 RRF3M CCC
Ref. 1 002 524	506S2 LT 50 RS485 6/38 VVF3M CCC
Ref. 1 002 525	515S2 LT 50 RS485 15/38 VVF3M CCC

SONESSE 50 RS485

Description	
Ref. 1 002 286	506S2 Sonesse RS485 6/32 SJTW
Ref. 1 002 287	512S2 Sonesse RS485 12/32 SJTW
Ref. 1 002 382	Sonesse 50 RS485 6/28 VVF3M UN
Ref. 1 002 383	Sonesse 50 RS485 12/28 VVF3M UN
Ref. 1 002 384	505S3 Sonesse RS485 5/28-32 BAR
Ref. 1 002 385	510S3 Sonesse RS485 10/28-32BAR
Ref. 1 002 499	Sonesse 50 RS485 6/17 VVF3M UN
Ref. 1 002 500	Sonesse 50 RS485 15/17 VVF3M UN
Ref. 1 002 505	505S6 Sonesse RS485 5/32 VVF3M KC
Ref. 1 002 506	510S6 Sonesse RS485 10/32 VVF3M KC
Ref. 1 002 511	505S6 Sonesse RS485 5/32 VVF3M
Ref. 1 002 512	510S6 Sonesse RS485 10/32 VVF3M
Ref. 1 002 515	505S6 Sonesse RS485 5/32 VVF3M SASO
Ref. 1 002 516	510S6 Sonesse RS485 10/32 VVF3M SASO
Ref. 1 002 522	Sonesse 50 RS485 6/28 VVF3M CCC
Ref. 1 002 523	Sonesse 50RS485 12/28 VVF3M CCC
Ref. 1 002 526	506S2 Sonesse RS485 6/32 VVF3M
Ref. 1 002 527	512S2 Sonesse RS485 12/32 VVF3M
Ref. 1 003 048	Sonesse ULTRA 50 RS485 6/20 VVF3M UNIT

SONESSE 50 ULTRA RS485 AC

Description	
Ref. 1 002566	506A2 Sonesse ULTRA RS485 6/24 SJTW 3M 3C

SONESSE 50 ULTRA RS485 DC

Description	
Ref. 1 134 022	504A8 Sonesse ULTRA DC RS485 4/25

SHADE AND CURTAIN MOTORISATION

	Commercial name	Distribution
Ref. 1 003 150	GLYDEA ULTRA 35E DCT EU MIC	ALC LI
Ref. 1 003 151	GLYDEA TM ULTRA 35E DCT US 10' + PLUG MIC	ALC
Ref. 1 003 152	GLYDEA TM ULTRA 35E RTS US 10' + PLUG MIC	ALC
Ref. 1 003 154	GLYDEA ULTRA 35E RTS MIC	ALC LI
Ref. 1 003 211	GLYDEA ULTRA 35E DCT N EU MIC SA	ALC
Ref. 1 003 213	GLYDEA ULTRA 35E RTS N MIC SA	ALC
Ref. 1 003 157	GLYDEA ULTRA 60E DCT EU MIC	ALC LI
Ref. 1 003 158	GLYDEA TM ULTRA 60E DCT US 10' + PLUG MIC	ALC
Ref. 1 003 159	GLYDEA TM ULTRA 60E RTS US 10' + PLUG MIC	ALC
Ref. 1 003 161	GLYDEA ULTRA 60E RTS MIC	ALC LI
Ref. 1 003 214	GLYDEA TM ULTRA 60E DCT N EU MIC SA	ALC
Ref. 1 003 216	GLYDEA TM ULTRA 60E RTS N MIC SA	ALC
Ref. 1 003 164	GLYDEA ULTRA 35E DCT EU MIF	LI
Ref. 1 003 166	GLYDEA ULTRA 35E RTS MIF	LI
Ref. 1 003 167	GLYDEA ULTRA 60E DCT EU MIF	LI
Ref. 1 003 169	GLYDEA ULTRA 60E RTS MIF	LI
Ref. 1 240 226	GLYDEA ULTRA 35E DCT N	ALC LI
Ref. 1 240 227	GLYDEA ULTRA 35E RTS N	ALC LI
Ref. 1 240 229	GLYDEA ULTRA 60E DCT N	ALC LI
Ref. 1 240 230	GLYDEA ULTRA 60E RTS N	ALC LI
Ref. 1 870 275	CURTAIN MOTOR RS485 MODULE	ALC LI

* RS485 module compatible with motor revision C or later

Contacts

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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, alarm systems and more. We are committed to creating useful solutions that are accessible to all, designed for today and beyond.

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