



# BLACK PEARL BLINDS

Custom Window Coverings & Installation



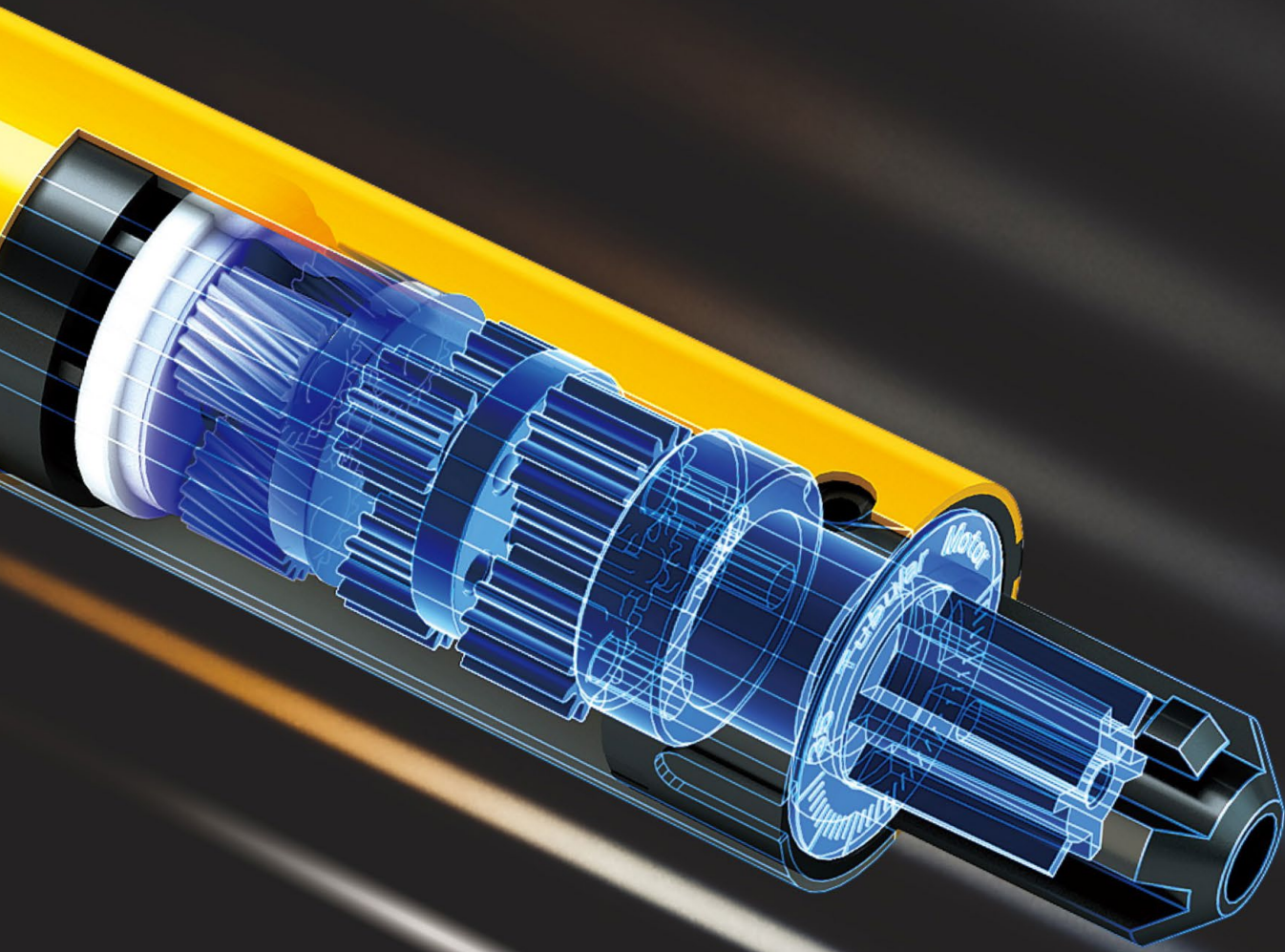
## Motorization

2020.07.27.2

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## A-OK Product Line

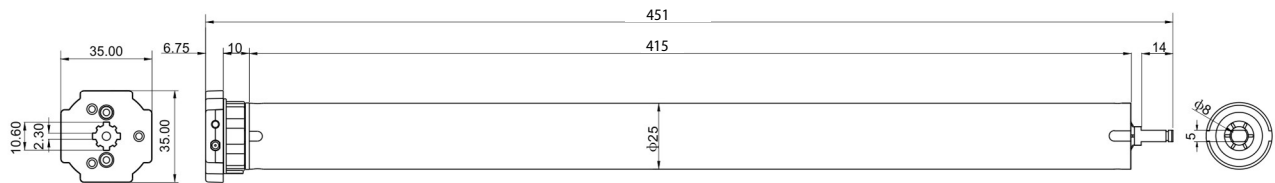
# A-OK Motors - AM25 Series

## 25mm Built-In Lithium Battery - Electronic Limit



- DC Power Supply
- Electronic Limit
- Built-In Radio Receiver
- Multiple Limits Setting
- Tilting Function
- Stop by Block
- Support Home Automation
- Soft Start and Stop

Model	Rated Torque	RPM	Diameter	Tube Length	Rated Voltage	Rated Current	Frequency	IP Class	Sensitivity
AM25-1.2/30-ES-E	1.2N.m	30	25mm	415mm	DC 7.4V	900mA	433.92MHz	IP44	-110dBm



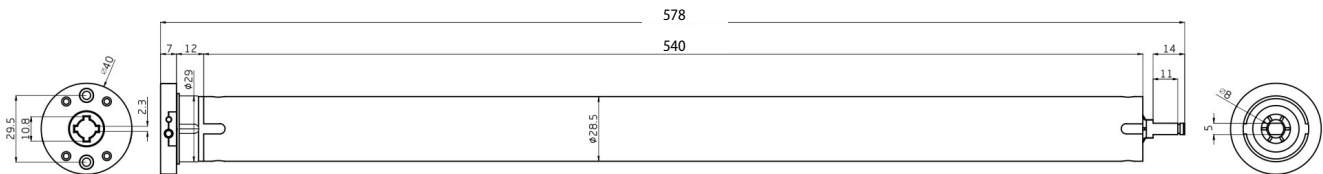
# A-OK Motors - AM28 Series

## 28mm Built-In Lithium Battery - Electronic Limit



- DC Power Supply
- Electronic Limit
- Built-In Radio Receiver
- Multiple Limits Setting
- Tilting Function
- Stop by Block
- Support Home Automation
- Soft Start and Stop

Model	Rated Torque	RPM	Diameter	Tube Length	Rated Voltage	Rated Power	Frequency	IP Class
AM28-1.8/25-ES-E	1.8N.m	25	28mm	540mm	DC 7.4V	6.7w	433.92MHz	IP44



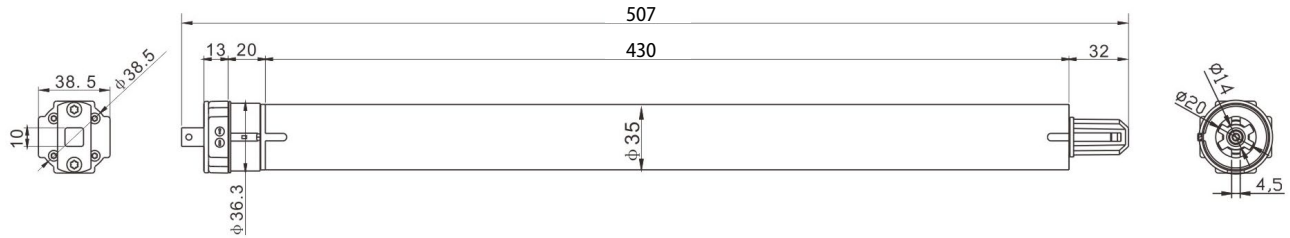
# A-OK Motors - AM35 Series

## 35mm AC Motor - Electronic Limit



- AC Power Supply
- Electronic Limit
- Built-In Radio Receiver
- Multiple Limits Setting
- Tilting Function
- RS485/232 Interface
- Support Smart Central Control

Model	Rated Torque	RPM	Diameter	Tube Length	Rated Voltage	Rated Power	Rated Current	IP Class
AM35-6/28-MEL	6N.m	28	35mm	430mm	120	130w	1.1A	IP44

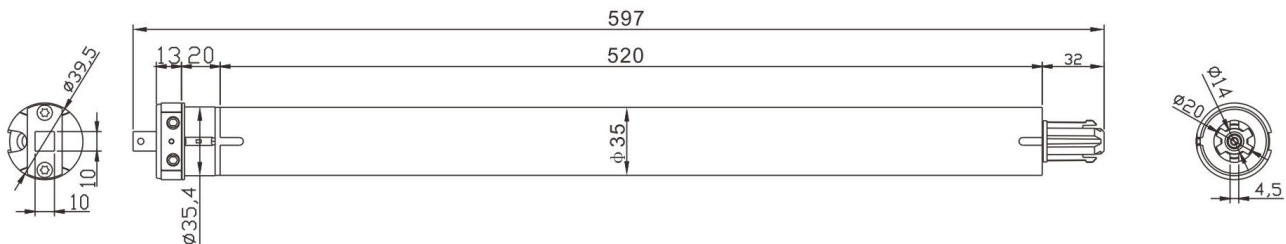


## 35mm AC Motor - Mechanical Limit



- AC Power Supply
- Mechanical Limit
- Built-In Radio Receiver
- Home Automation Control

Model	Rated Torque	RPM	Diameter	Tube Length	Rated Voltage	Rated Power	Rated Current	IP Class
AM35-6/28-E	6N.m	28	35mm	520mm	120	130w	1.1A	IP44



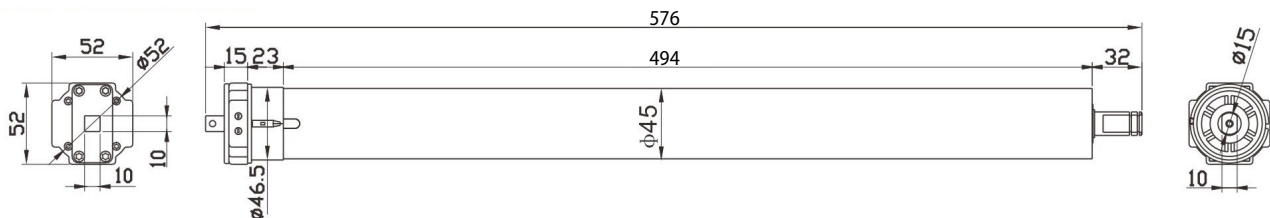
# A-OK Motors - AM45 Series

## 45mm AC High Power Motor - Electronic limit



- AC Power Supply
- Electronic Limit
- Built-In Radio Receiver
- Multiple Limits Setting
- Home Automation Control
- Tilting Function

Model	Rated Torque	RPM	Diameter	Tube Length	Rated Voltage	Rated Power	Rated Current	IP Class
AM45-20/30-MEL	20N.m	30	45mm	494mm	120	130w	2.5A	IP44

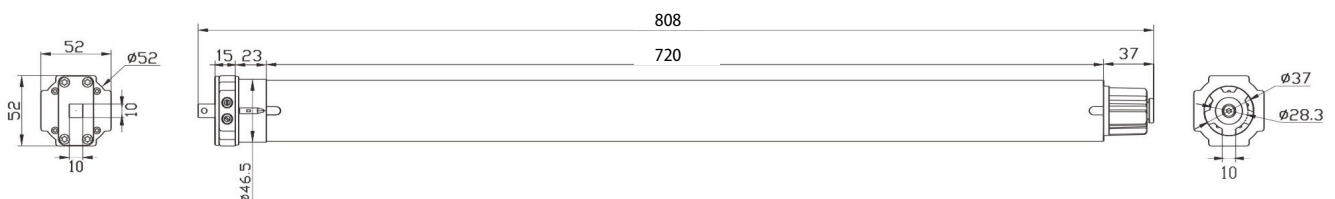


## 45mm AC Quiet Motor - Mechanical limit



- AC Power Supply
- Mechanical Limit
- Built-In Radio Receiver
- Quiet Design
- Home Automation Control
- Tilting Function

Model	Rated Torque	RPM	Diameter	Tube Length	Rated Voltage	Rated Power	Rated Current	IP Class
AM45-6/28-QE	6N.m	28	45mm	720mm	120	130w	1.1A	IP44

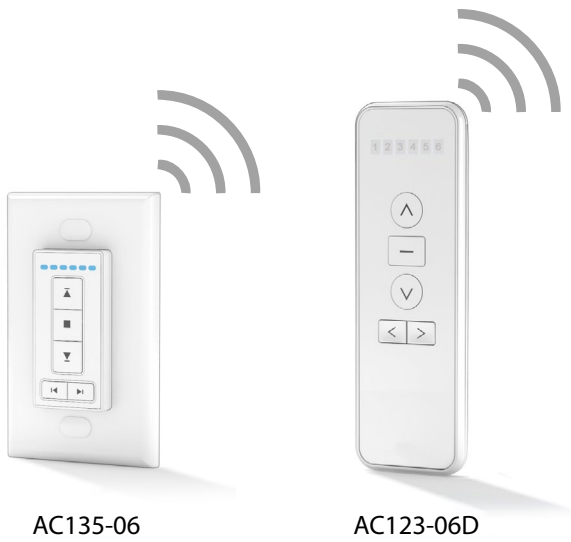


# A-OK Motor Accessories

**8.4V Battery Charger for  
AM25 & AM28 Rechargeable Motors**

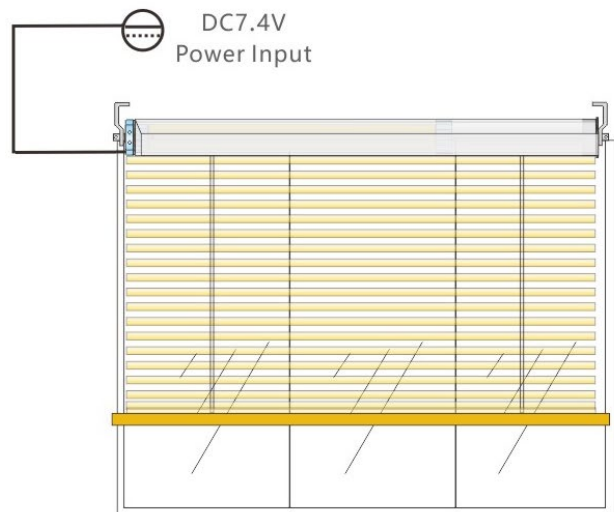
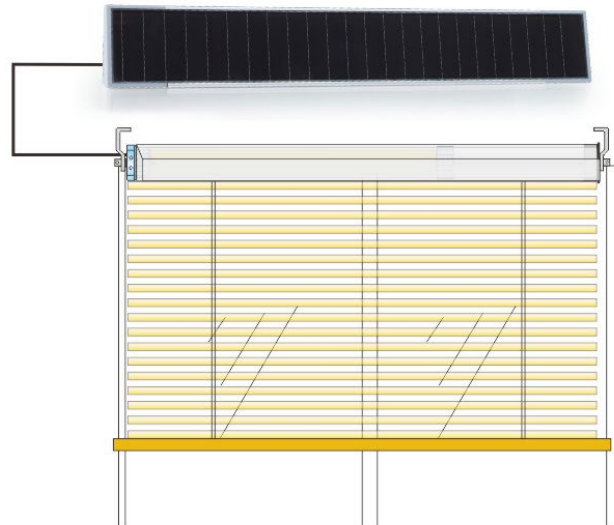


**AC601-01 Solar Panel for  
AM25 & AM28 Rechargeable Motors**



AC135-06

AC123-06D





# A-OK Handheld Remotes

Model	Channels
AC123-01D	1
AC123-02D	2
AC123-06D	6
AC123-16D	16

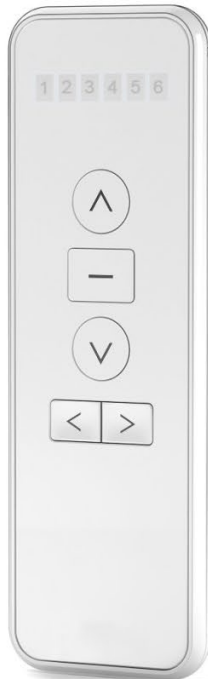
The 'D' signifies updated internal hardware from the original AC123



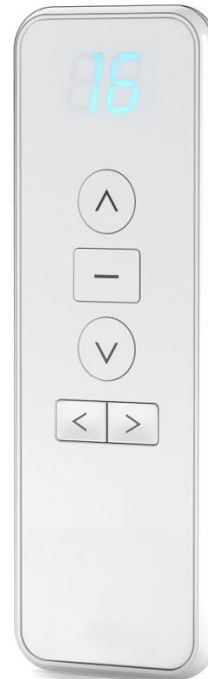
AC123-01D



AC123-02D



AC123-06D



AC123-16D

# A-OK Wall-Mount Controller

Model	Channels
AC135-01	1
AC135-02	2
AC135-06	6



AC135-01



AC135-02

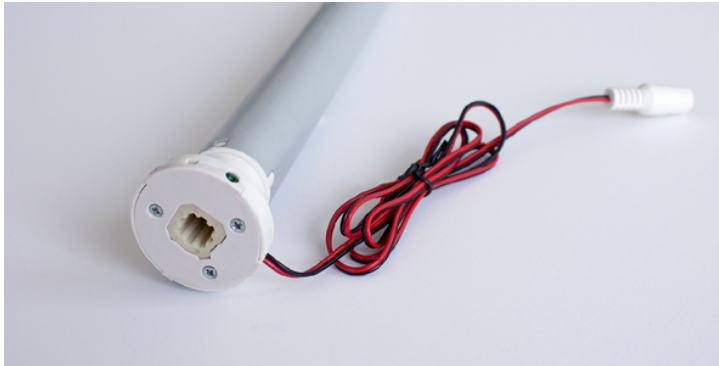


AC135-06



## Neo Product Line

# Neo TM-RT25-1.5/30 24v Motor



## Motor Specifications

Model	TM-RT25-1.1/30
Type	25mm RF transformer motor with 4" Blue Link connection cable
Electrical parameters	24Vdc
Power sources	24Vdc 1.5A AC/DC Adapter
Operational parameters	1.1Nm, 30rpm
Control mode	RF remote control and/or Smart Controller and/or Blue Link



Wireless remote control



Whisper quiet

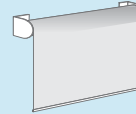


Light adjusting

## Key Features

- Powered by 24V plug-in transformer
- Easily set the up and down limits, plus two favorite positions
- Works with our Neo Remote Controls
- Can work with your phone instantly by connecting the optional Blue Link (Bluetooth® dongle) to the motor (**Neo Smart Blinds Blue** app available on both IOS & Android)
- Comes ready to work with the Neo Smart Controller to enable local and cloud control (**Neo Smart Blinds** app available on both IOS & Android)

## Blinds Types



Roller



Zebra

## Compatible Products (optional)

### Blue Link



App control of your blinds using Bluetooth® technology. Easy individual control with scheduling option.

### Smart Controller



App control of your blinds inside or outside of your home. Easy individual and group control with scheduling option.

## Smart Home Integration

- Control 4
- Amazon Alexa
- Google Assistant

# Neo TM-RB25-1.1/30 Battery Motor



## Motor Specifications

Model	TM-RB25-1.1/30
Type	25mm RF motor with 4" Blue Link connection cable and 3" Micro-USB cable
Electrical parameters	8.4V DC built-in rechargeable lithium battery
Power sources	5V/1A Micro-USB charger or 2W/11V solar panel
Operational parameters	1.1Nm, 30rpm
Control mode	RF remote control and/or Smart Controller and/or Blue Link



Wireless remote control



Battery driven



Whisper quiet



Solar powered

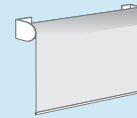


Light adjusting

## Key Features

- Built-in lithium battery lasts up to 6 months
- Charge using standard Micro-USB charger or Neo solar panel
- Easily set the up and down limits, plus two favorite positions
- Works with our Neo Remote Controls
- Can work with your phone instantly by connecting the optional Blue Link (Bluetooth® dongle) to the motor (**Neo Smart Blinds Blue** app available on both IOS & Android)
- Comes ready to work with the Smart Controller to enable local and cloud control (**Neo Smart Blinds** app available on both IOS & Android)

## Blinds Types



Roller



Zebra

## Compatible Products (optional)

### Blue Link



App control of your blinds using Bluetooth® technology. Easy individual control with scheduling option.

### Smart Controller



App control of your blinds inside or outside of your home. Easy individual and group control with scheduling option.

## Smart Home Integration

- Control 4
- Amazon Alexa
- Google Assistant

# Neo Smart Controller & Smart Blinds App

With the Smart Controller and Neo Smart Blinds App, you can now control your Neo Blue motorized blinds using your smartphone, tablet, or computer, from anywhere.



## Key features

- Also compatible with major tubular motor brands, including Bofu, Nice, Dooya, Raex, Wistar and A-OK
- User-friendly setup process using Wi-Fi
- Google Assistant, Amazon Alexa and Control4 integration
- Connects via Wi-Fi, and powered by micro-USB
- Control blinds anytime and anywhere
- Relative schedules and scenes
- Automatic remote firmware updates continually improves functionality
- Horizontally scalable - in large homes, simply install multiple Smart Controllers

## Download the app

Our app is available on Google Play and on the App Store. It can be easily found by searching for Neo Smart Blinds.

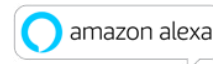


## Want to sell your own Smart Controller?

Customize the app to have your own on the Google Play and on the App Store. We can change the logo, colors, fonts, and icons, and even add custom functions to suit your needs.

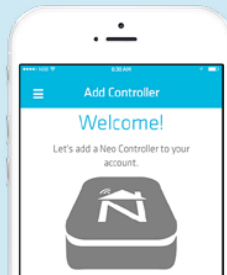


## Smart Controller Integration



## The mobile app

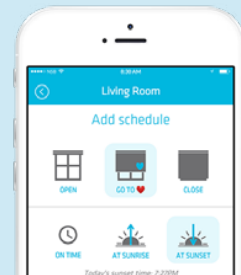
- Add rooms and blinds to match your home's layout.
- Control your blinds in groups or individually from anywhere.
- Set schedules to automate your blinds.
- Play scenes to create the perfect mood in your home.
- Put blinds into energy savings mode (coming soon).
- Available for Android, iOS or on the Web.



Easy home control of all your blinds.



Use rooms to control blinds in the same place.



Create schedules for automated and customized control.

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## Somfy Product Line

Brite Blinds is an authorized distributor of the entire Somfy catalogue of motorization and smart home products. The following pages show just a few of our more popular Somfy products. Please speak with your sales rep for a quote.

With Built-In Rechargeable Lithium-Ion Battery for Interior Window Coverings

# New Slim Roll-Up Motor for Compact Profile Openings



The new Roll-Up 24 WireFree™ RTS Li-ion is a slim design wirefree motor, ideal for applications requiring minimal spacing. Its compact features make it compatible with most narrow profile window openings. It features a built in rechargeable Li-ion battery for easy maintenance and cost efficiency.



Somfy  
DESIGNED FOR  
SILENCE



WireFree™

## Main Features & Benefits:

- Discreet ultra compact design to accommodate today's high-performance energy efficient windows
- Improved Sound
- Built-in rechargeable Lithium-ion battery
- LED low battery level indicator
- Recessed programming button
- Removeable charging cable
- Slow start/stop
- Adjustable speed control
- Automatic speed regulation
- Solar charging option
- ESD immunity
- Operates with simple voice commands using Amazon Alexa, Google assistant, and myLink







Roll-Up 24 Wirefree™ RTS Li-Ion		Model #1240278	
<b>Technical Features</b>		<b>Specifications</b>	
Voltage Supply	12V DC	Nominal Torque	.55 Nm
Index Protection Rating (interior use only)	IP 20	Nominal Speed	38 rpm
Limit Switch Type	Electronic	Adjustable Speed	From 20-38 by increments of 2 rpm
Temperature Working Range	32°F to 140°F (0°C to 60°C)	Radio Protocol	RTS
Insulation Class	Class III	Radio Frequency	433.42 MHz (RTS)
Antenna	15 cm, wire length, must not be cut or lengthened. For greatest RF range, must not be exposed and should not come in contact with metal surfaces. RF wire may need to be repositioned for optimal performance.	Battery Type	12V 800 mAh. Built in Li-ion battery
		Low Battery Indicator	LED (on motor head)

Accessories			
<b>Crown &amp; Drive Adapters</b>		<b>Bracket Adapters</b>	
9025712	Roll up 24 WF Rollease 1.125" /28 mm C&D	9025737	Roll up 24 Rollease Skyline motor plate
9025711	Roll up 24 WF Rollease 1.25" /32 mm C&D	9025736	Roll up 24 Louvolite 32 motor plate
9025710	Roll up 24 WF Louvolite 32 C&D	9025713	Roll up 24 Starhole motor plate
9025745	Roll up 24 WF HD 31 C&D	9025735	Roll up 24 motor plate with ears
9025744	Roll up 24 WF 28 mm tube C&D	9025738	Roll up 24 pin 6*3 motor plate

External Battery or Plug-In Power for Interior Window Coverings

# Enhanced **Wireless Performance** for Smaller Windows

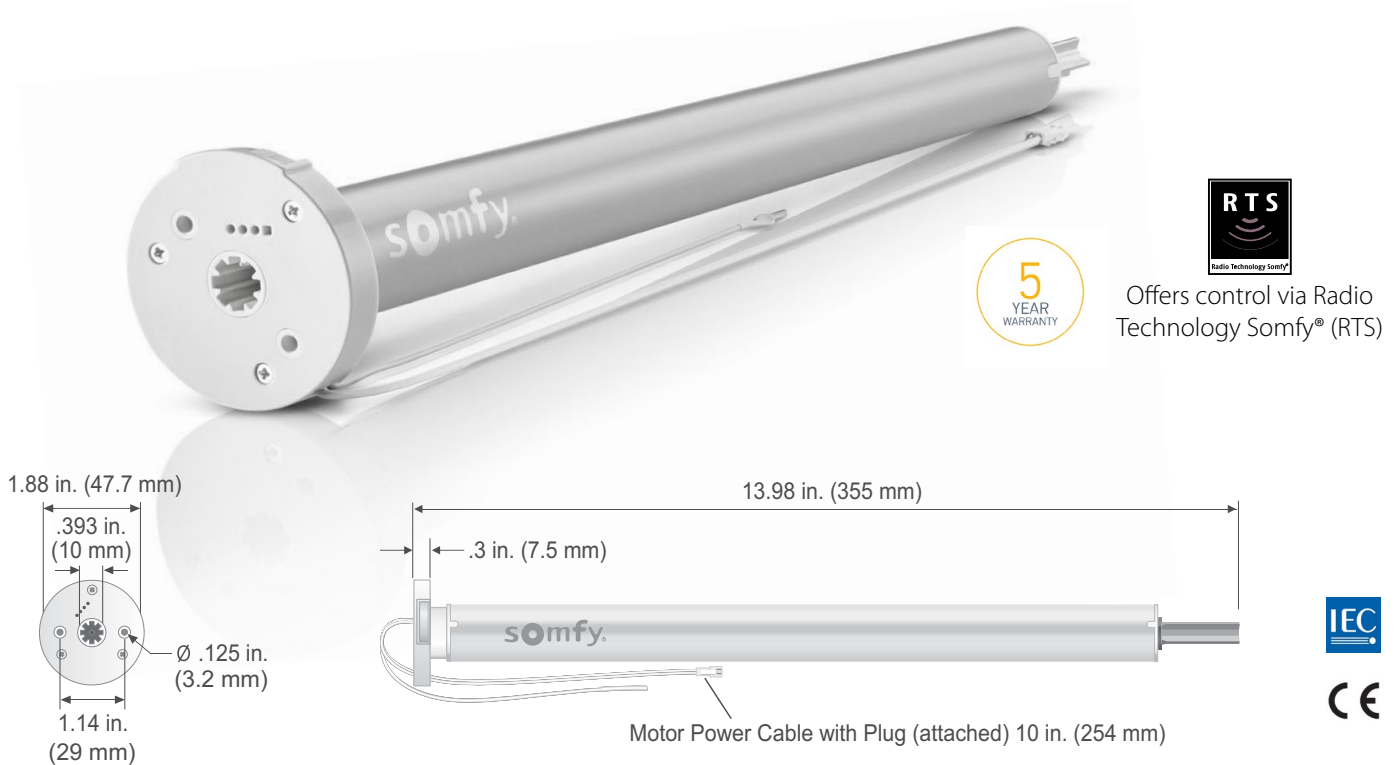


The new and improved Roll-Up 28 WireFree™ RTS is designed for use with Somfy's broad range of external battery and plug-in power options. The compact design provides easy fit for smaller window widths and can motorize a variety of window coverings including roller/solar shades, Roman shades, woven woods, horizontal blinds, sheer horizontals and zebra/layered shades.

## Main Features & Benefits:

- Improved sound quality
- Smooth motion with soft start and stop
- Adjustable speed control
- Powered by various battery options or plug-in capable
- LED low battery indicator
- Compact size accommodates smaller width shades
- Compatible with Telis Modulis RTS for precise tilt control
- Operates with simple voice commands using myLink and Amazon Alexa or Google Home through IFTTT





<b>Roll-Up 28 Wirefree™ RTS</b>	<b>Model #1240292</b>
<b>Technical Features</b>	
Voltage Supply	12V DC
Index Protection Rating (interior use only)	IP 20
Limit Switch Type	Electronic
Temperature Working Range	32°F to 120°F (0°C to 50°C)
Insulation Class	Class III
Antenna	17.5 cm wire length, must not be cut or lengthened. For greatest RF range, must not be exposed and should not come in contact with metal surfaces. RF wire may need to be repositioned for optimal performance.
<b>Specifications</b>	
Nominal Torque	1.1 Nm
Nominal Speed	28 rpm
Adjustable Speed	10-28 by increments of 2 rpm
Radio Protocol	RTS
Radio Frequency	433.42 MHz
Power Supply	External primary* or rechargeable battery**
Low Battery Indicator	LED (on motor head)

\* Lithium batteries or Rechargeable Ni-MH batteries with Solar Panel

\*\* New Rechargeable Li-ion battery pack (2600 mAh)

## Battery Pack for Interior Window Coverings

# NEW Innovative Power Technology for Window Coverings

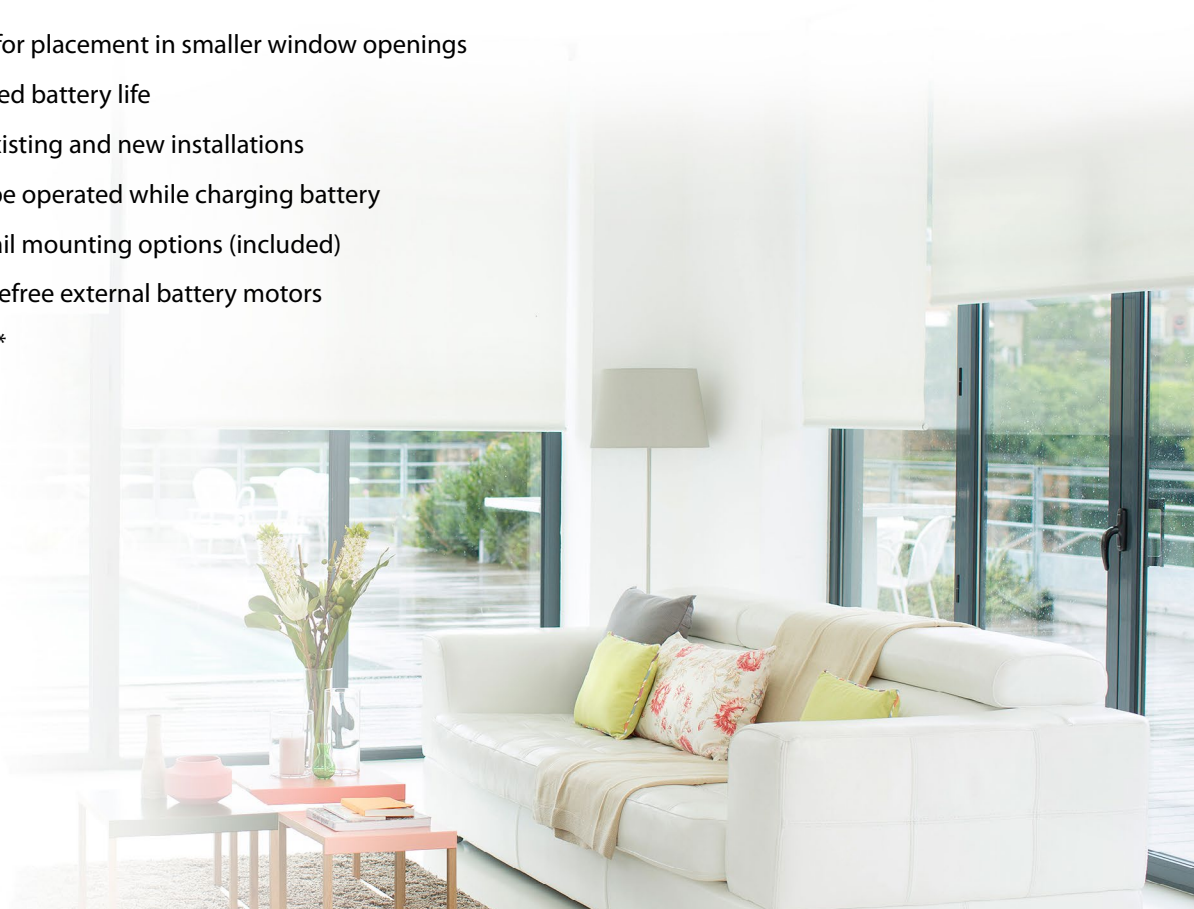
Eliminating the need to replace standard batteries makes this new innovative technology an economical and environmentally friendly choice. The new Lithium-ion Rechargeable Battery Pack is designed for use with all Somfy WireFree external battery-operated motors.



## Main Features & Benefits:

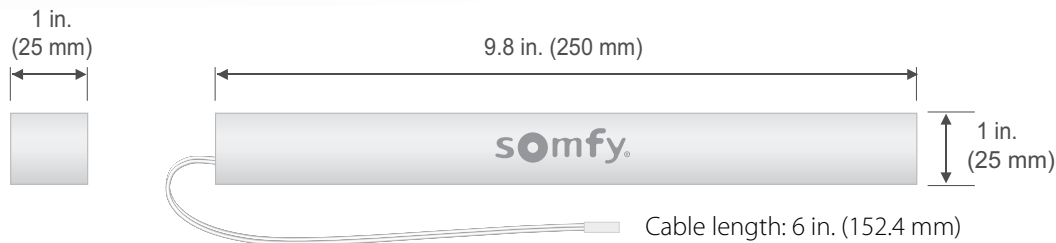
- Discreet design allows for placement in smaller window openings
- More power for increased battery life
- Can be used with preexisting and new installations
- Window covering can be operated while charging battery
- Wall/ceiling and headrail mounting options (included)
- Compatible with all wirefree external battery motors
- Solar charging capable\*

\*Coming soon





Power for external battery wirefree Radio Technology Somfy® (RTS) motors



Li-ion Rechargeable Battery Pack	Model #9021217
<b>Specifications</b>	
Material	White UV resistant Plastic
Voltage Capacity	12V DC @ 2600mAh
Input Nominal Voltage	11.1V DC
Maximum distance between motor and power source	16.5 ft. (5 m)
Protection against polarity reversal	Yes
Battery Type	Rechargeable Li-ion battery
Index Protection Rating	IP 20 - For indoor use only
Temperature range (working)	32°F - 140°F (0°C - 60°C)

## Optional Accessories



Charger w/ 80" Cable  
#9025166



8" Charger Extension Cable  
#9021131

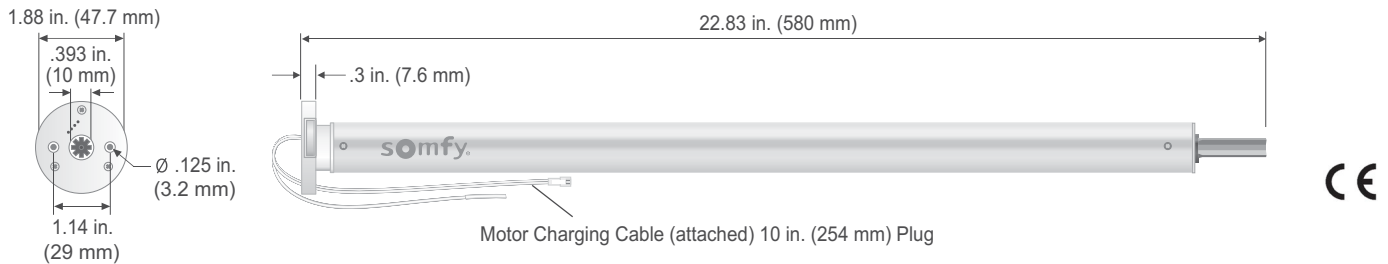


94.5" Charger Extension Cable  
#9021016



Motor Extension Cables  
10" - #9018623  
48" - #9016736  
96" - #9018624

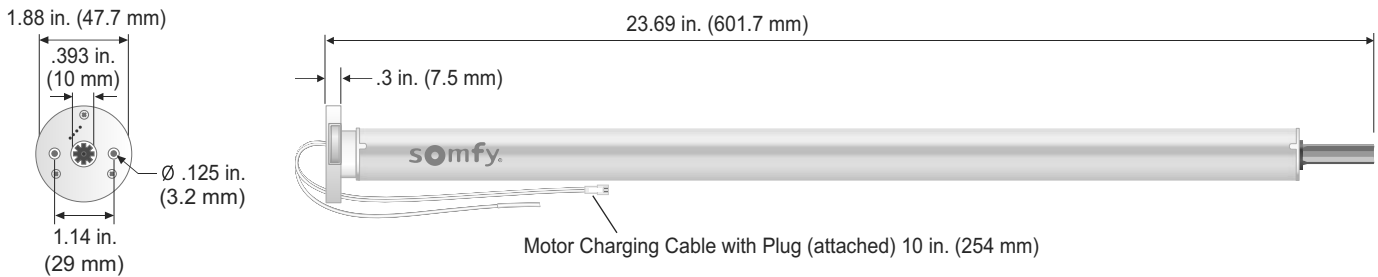
# Somfy Roll-Up 28 Wirefree™ RTS Li-Ion



<b>Roll-Up 28 Wirefree™ RTS Li-Ion</b>	<b>Model #1240291</b>
<b>Technical Features</b>	
Voltage Supply	12V DC
Index Protection Rating (interior use only)	IP 20
Limit Switch Type	Electronic
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class III
Antenna	17.5 cm wire length, must not be cut or lengthened. For greatest RF range, must not be exposed and should not come in contact with metal surfaces. RF wire may need to be repositioned for optimal performance.
<b>Specifications</b>	
Nominal Torque	1.1 Nm
Nominal Speed	20 rpm
Adjustable Speed	10-28 by increments of 2 rpm
Radio Protocol	RTS
Radio Frequency	433.42 MHz
Battery Type	12V 2600 mAh (built-in Lithium-ion)
Battery Autonomy	Recharge once per year*
Charging Time	< 4.5 hours
Low Battery Indicator	LED (on motor head)

\* Based on one cycle (up and down) per day.

# Somfy Sonesse® 30 Wirefree™ RTS Li-Ion



Sonesse® 30 Wirefree™ RTS Li-Ion	Model #1003128
<b>Technical Features</b>	
Voltage Supply	12V DC
Index Protection Rating (interior use only)	IP 20
Limit Switch Type	Electronic
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class III
Antenna	RF antenna wire must be exposed and should not come in contact with metal surfaces for greatest RF range. RF wire may need to be repositioned for optimal performance. RF antenna wire must not be cut.
<b>Specifications</b>	
Voltage	12V DC
Torque	2 Nm
Sound Level	44 dBA
Speed	10-28 rpm adjustable
Low Battery Indicator	LED
Radio Frequency for RTS	433.42 MHz

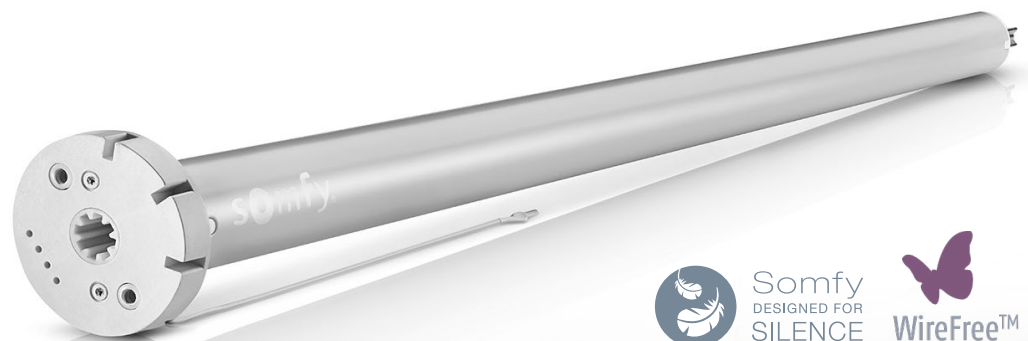
With Built-In Rechargeable Lithium-Ion Battery for Interior Window Coverings

# The Ultimate **WireFree** Choice

*ultra-quiet ultra-strong ultra-reliable*

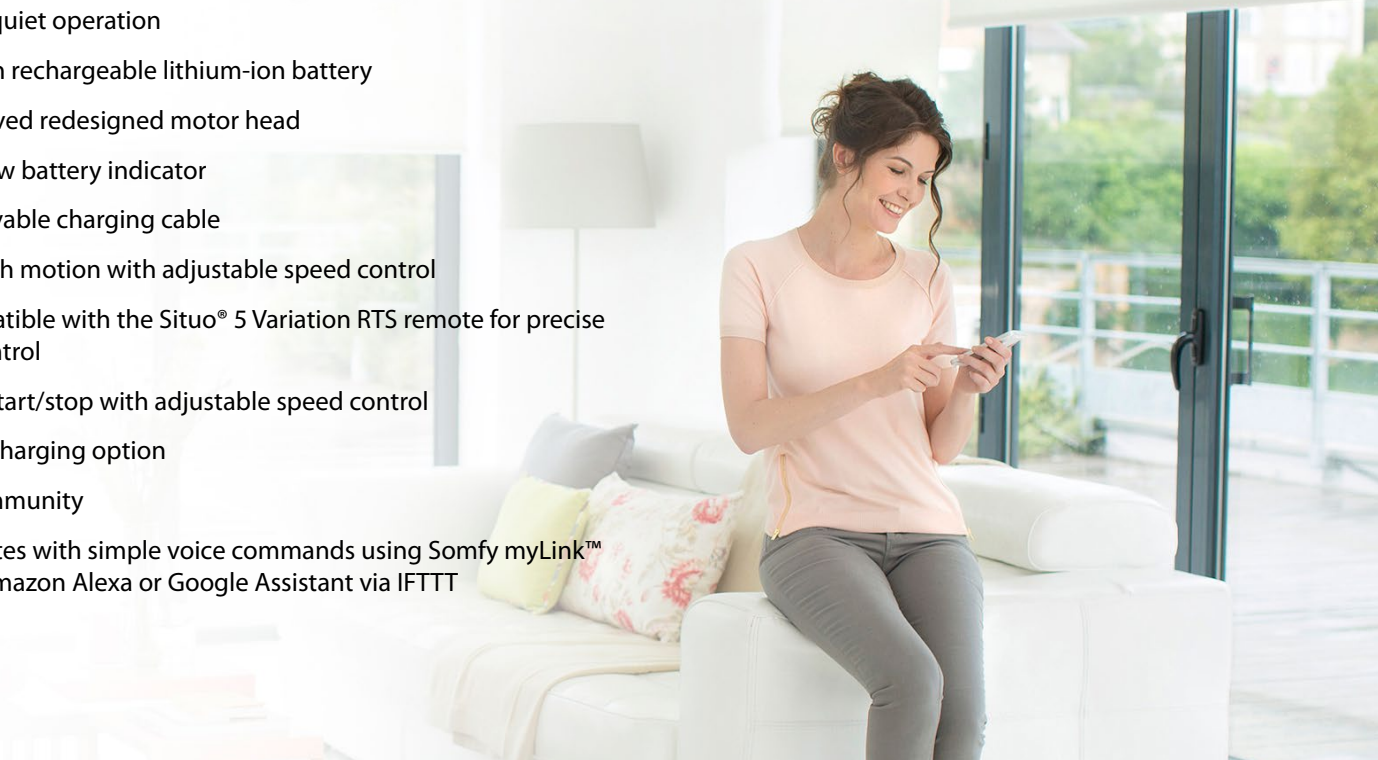


Increase motorized shading opportunities with Somfy's 2Nm ultra-strong wirefree motor for interior shades: the Sonesse® ULTRA 30 WireFree RTS Li-ion. Its ultra-quiet and ultra-reliable performance also features a built-in lithium-ion battery to eliminate wiring and provide convenience to installers and users.



## Main Features & Benefits:

- Ultra-quiet operation
- Built-in rechargeable lithium-ion battery
- Improved redesigned motor head
- LED low battery indicator
- Removable charging cable
- Smooth motion with adjustable speed control
- Compatible with the Situo® 5 Variation RTS remote for precise tilt control
- Slow start/stop with adjustable speed control
- Solar charging option
- ESD immunity
- Operates with simple voice commands using Somfy myLink™ and Amazon Alexa or Google Assistant via IFTTT







Sonesse® Ultra 30 RTS Li-Ion	Model #1003310
<b>Technical Features</b>	
Voltage Supply	12V DC
Index Protection Rating (interior use only)	IP 20
Limit Switch Type	Electronic
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class III
Antenna	17 cm wire length, must not be cut or lengthened. For greatest RF range, antenna must be outside the rail, tube or cassette.
<b>Specifications</b>	
Nominal Torque	2 Nm
Nominal Speed	20 rpm
Adjustable Speed	10-28 by increment of 2 rpm
Sound Level	dBA < 45*
Radio Protocol	RTS
Radio Frequency	433.42 MHz
Battery Type	12V 2600 mAh (built-in Lithium-ion)
Battery Autonomy	Only recharge once per year**
Charging Time	< 4.5 hours
Low Battery Indicator	LED

\* Power Level: - Measurements according to standards ISO 3741 in dB(A) ref 1pW, at nominal torque and nominal speed, between 20°C and 35°C; - Value: highest typical value between Up direction and Down direction

\*\* Based on one cycle (up and down) per day using average size shade.

With Built-In Rechargeable Lithium-Ion Battery for Interior Window Coverings

# Putting window coverings in **Motion** with **Quiet Precision**



The Sonesse® 40 WireFree RTS Li-ion is a quiet and powerful wirefree motor for use with a wide range of interior window covering applications. Its compact 40mm design adapts easily to smaller shading hardware, therefore requiring less mounting space. It features a rechargeable built-in Lithium-Ion battery, a powerful lifting capacity and it is capable of precise tilting with incremental control for Sheer and Zebra (Layered) style shades.

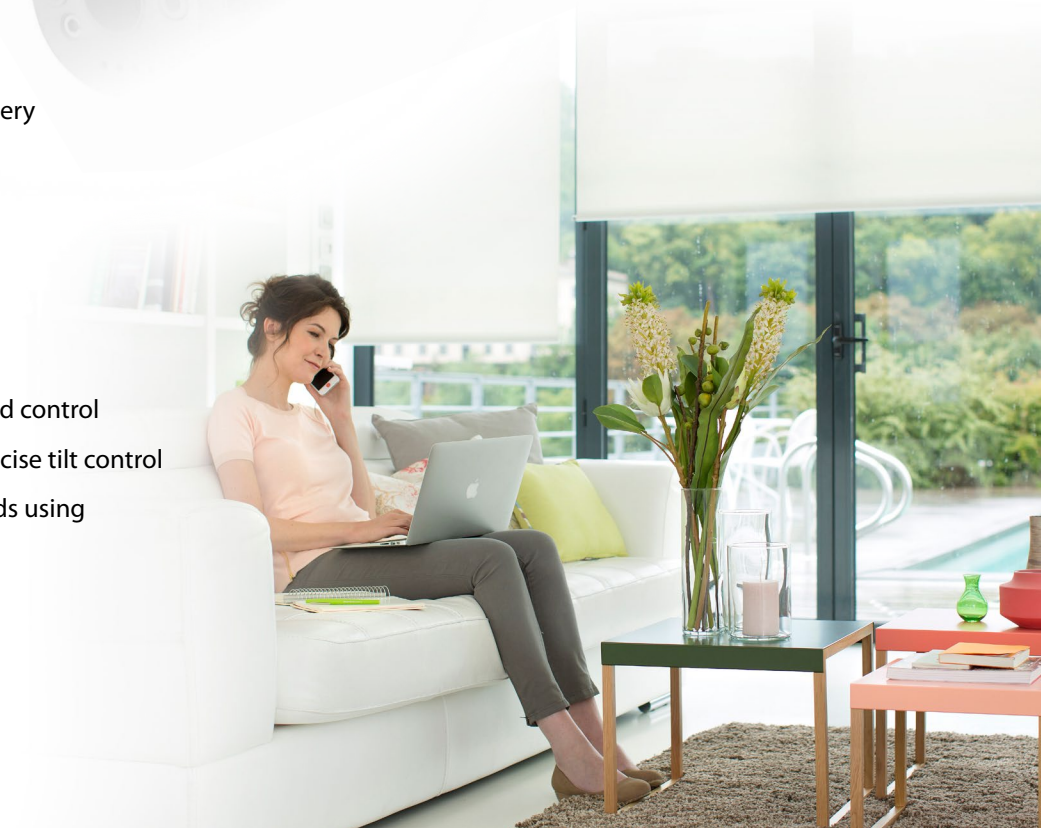


Somfy  
DESIGNED FOR  
SILENCE

WireFree™

## Main Features & Benefits:

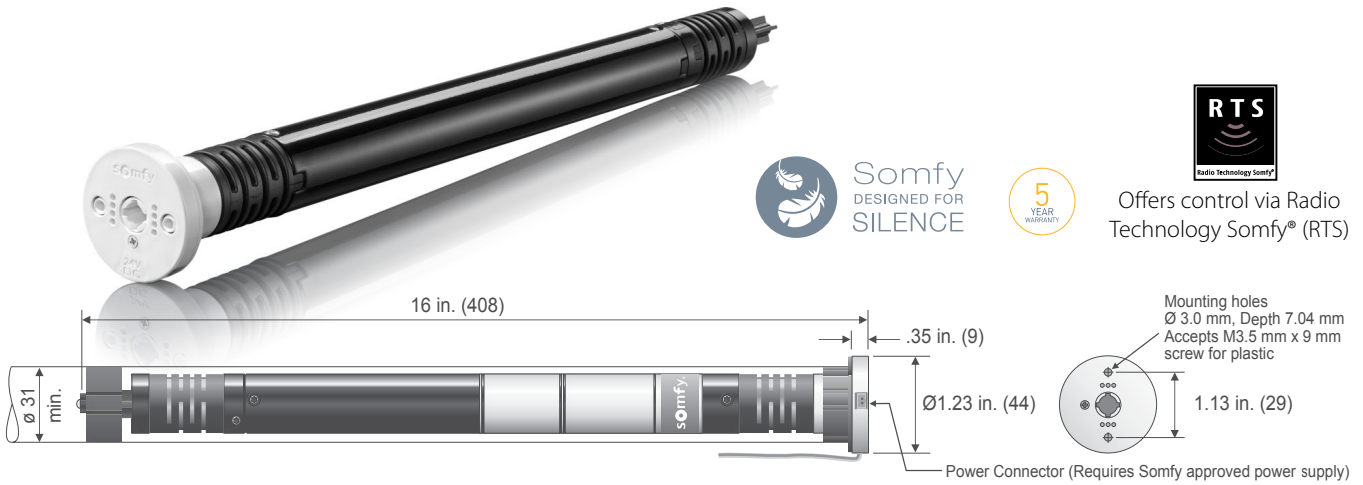
- Quiet Operation
- Built-in rechargeable lithium-ion battery
- Redesigned, discreet motor head
- Recessed programming button
- Removeable charging cable
- LED Low battery indicator
- Solar charging option
- Smooth motion with adjustable speed control
- Compatible with Telis Modulis for precise tilt control
- Operates with simple voice commands using
- Amazon Alexa and myLink™






Sonesse® 40 Wirefree™ RTS Li-Ion	Model #1240485
<b>Technical Features</b>	
Voltage Supply	12V DC
Index Protection Rating (interior use only)	IP 30
Limit Switch Type	Electronic
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class III
Antenna	17+ 1 cm, wire length, must not be cut or lengthened. For greatest RF range, must not be exposed and should not come in contact with metal surfaces. RF wire may need to be repositioned for optimal performance.
<b>Specifications</b>	
Nominal Torque	3.0 Nm
Nominal Speed	20 rpm
Adjustable Speed	From 10-28 rpm
Sound Level	<44 dBA
Radio Frequency	433.42 MHz (RTS)
Power Supply	12V 4600 mAh. Built in Li-ion battery
Low Battery Indicator	LED (on motor head)

# Somfy Sonesse® 30 RTS 24V DC



Sonesse® 30 RTS	Model #1001524
<b>Minimum Window Width Bracket To Bracket For Roller Shades</b>	
Acmeda® 44 mm tube & hardware	18 3/4"
RollEase® 1.5" tube w/ Skyline Hardware	19 5/8"
RollEase® 1.5" tube w/ R8 Hardware	18 1/2"
<b>Technical Features</b>	
Voltage Supply	24V DC
Index Protection Rating	IP 30 (interior use only)
Limit Switch Type	Electronic (RTS)
Limit Switch Capacity	35 Turns
Temperature Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class III
Antenna	Must not come in contact with metal. May need to be repositioned for optimal range.
Wiring	24V DC power cable #9014794. 2-Conductor, 7.5' Length, 24 AWG Conductors 
<b>Specifications</b>	
Voltage	24V DC
Motor power connection	2 pin JST, 2 mm pitch
Nominal load starting current	1.8A for max. 300 ms
Nominal load current	.8A
Maximum current during programming	3.2A for 300 ms
Torque	2 Nm
Speed	Adjustable: 10-28 rpm (default: 28)
Thermal protection	2.5 minutes
Minimum inside diameter of tube	1.22 in. (31 mm)
Sound Level*	44 dBA
RF control range (may vary)	65 ft.

<b>Maximum Power Cable Length</b> <i>(to guarantee characteristics)</i>	
14 AWG	240 ft
16 AWG	150 ft
18 AWG	100 ft

## Sound Level

Power Level : according to standards ISO3741 in dB(A) re1pW Typical Value, at nominal torque, at 10rpm, without application/end-product.

## Fabrication Recommendations

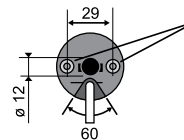
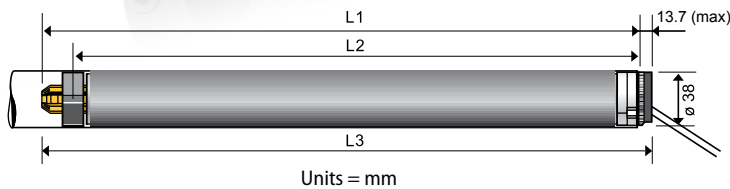
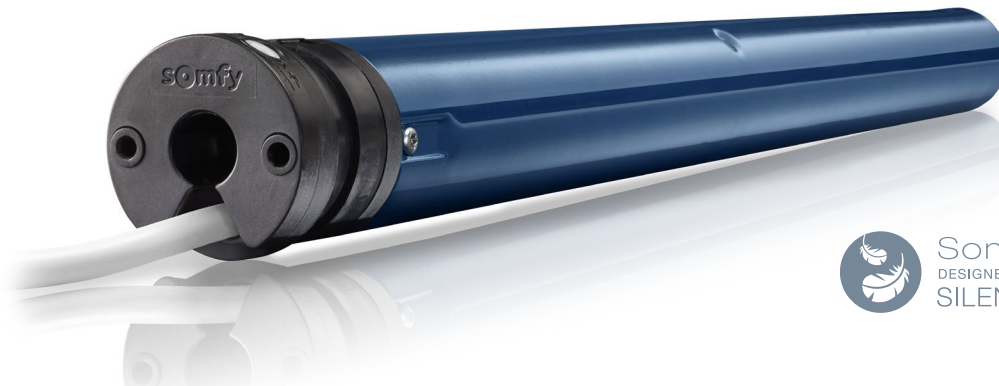
- Operational noise level is reduced when motor, tube, & mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 31 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- ST30 Series Drive Stop and Screw (included with crown and drive), are recommended to prevent noise and drive wheel separation from motor shaft.



# Somfy Sonesse® 40 RTS 120V AC



Offers control via Radio Technology Somfy® (RTS)



2 mounting holes for self tapping screws. Dia. 4 mm (cat #100405B) Depth 9 mm spaced 1.14" (29 mm) apart. Self tapping mounting screws are included with each motor.

Somfy Sonesse® 40 RTS	Model# 404S2 Part # 1001636	Model# 406A2 Part # 1001637	Model# 409R2 Part # 1001638
<b>Dimensions</b>			
L1	19.84 in. (504 mm)	21.06 in. (535 mm)	21.06 in. (535 mm)
L2	18.90 in. (480 mm)	20.12 in. (511 mm)	20.12 in. (511 mm)
L3	20.35 in. (517 mm)	21.57 in. (548 mm)	21.57 in. (548 mm)
Cable Length	11.5 ft. (3.5 m) RTS 120V AC / 60Hz 3 conductor cable		
<b>Technical Features</b>			
Voltage Supply	120V AC		
Index Protection Rating	IP 44 (interior use only)		
Limit Switch Type	Electronic (RTS)		
Limit Switch Capacity	250 Turns (limit is 3 minutes of rotation without stop)		
Temperature Range	32°F to 140°F (0°C to 60°C)		
<b>Specifications</b>			
Torque	4 Nm	6 Nm	9 Nm
Nominal Voltage	120v / 60Hz		
Rated Current	.95 A	1.2A	.98A
Speed	36 rpm	24 rpm	14 rpm
Thermal Protection	4 minutes		
Radio Frequency	433.42 MHz		
Sound Level	42 dBA	44 dBA	40 dBA



## Sound Level

According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.



## Fabrication Recommendations

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free plays have to be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > or = 38mm must be respected to prevent contact with the basic motor tube.
- 400 Series Drive Stop and Screw (9147894) is recommended to prevent noise and drive wheel separation from motor shaft.

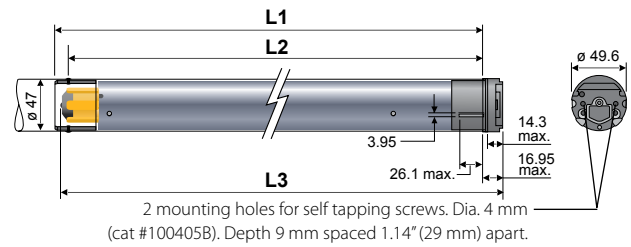


# Somfy Sonesse® 50 RTS 120V AC

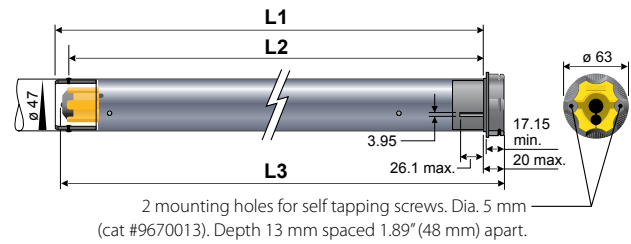


Offers control via Radio Technology Somfy® (RTS)

**Round Head** — 506S2RH - Part #1001806  
510S2RH - Part #1001805



**Star Head** — 506S2 - Part #1001809  
510S2 - Part #1001807



Somfy Sonesse® 50 RTS		
Dimensions	506	510
L1	25.7 in. (653 mm)	25.5 in. (648 mm)
L2	25.2 in. (640 mm)	25.2 in. (640 mm)
L3	SH 32.4 in. (823 mm) RH 26.1 in. (663mm)	SH 32.4 in. (823 mm) RH 26.1 in. (663mm)
Cable Length	9.8 ft. (3 m)* RTS 120V AC / 60Hz 3 conductor cable	
Technical Features		
Voltage Supply	120V AC, 60Hz	
Index Protection Rating	IP 44 (interior & exterior use only)	
Limit Switch Type	Electronic (RTS)	
Limit Switch Capacity	250 Turns	
Temperature Range	-4°F to 158°F (-20°C to 70°C)	
Insulation Class	Class 1 for 120V AC	
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.	
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.	
Specifications		
Torque	6 Nm	10 Nm
Nominal Voltage	120v / 60Hz	
Rated Current	1.2 A	1.67 A
Speed	32 rpm	
Thermal Protection	4 minutes	
Radio Frequency	433.42 MHz	
Sound Level	≤45 dBA	≤47 dBA

## Sound Level

According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.



## Fabrication Recommendations

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor. Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

\*Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.



# Somfy Sonesse® Ultra 50 RTS 120V AC

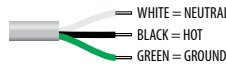


Somfy  
DESIGNED FOR  
SILENCE

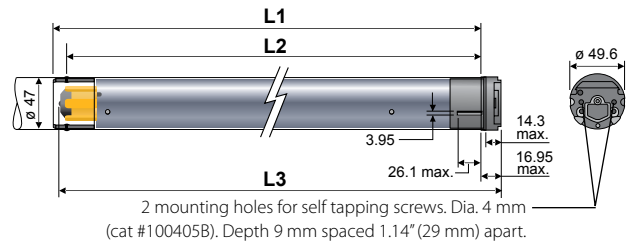


Offers control via Radio  
Technology Somfy® (RTS)

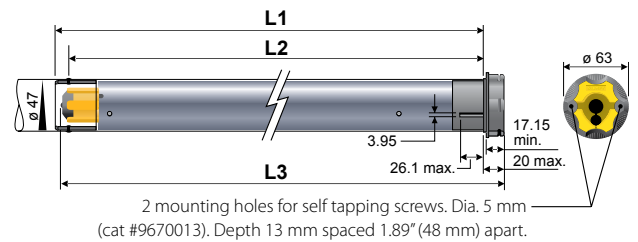
<b>Somfy Sonesse® 50 RTS</b>	
<b>Round Head - 506A2RH &amp; Star Head - 506A2</b>	
<b>Dimensions</b>	
L1	31.8 in. (808 mm)
L2	31.3 in. (795 mm)
L3	SH 32.4 in. (823 mm) RH 32.3 in. (820 mm)
Cable Length	9.8 ft. (3 m)* RTS 120V AC / 60Hz 3 conductor cable
<b>Technical Features</b>	
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 31 (interior use only)
Limit Switch Type	Electronic (RTS)
Limit Switch Capacity	250 Turns
Temperature Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class 1 for 120V AC
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.
<b>Specifications</b>	
Torque	6 Nm
Minimum Torque**	0.4Nm
Nominal Voltage	120v / 60Hz
Rated Current	.95 A
Speed	24 rpm
Thermal Protection	4 minutes
Radio Frequency	433.42 MHz
Sound Level	≤38 dBA



## Round Head - 506A2RH - Part #1002564

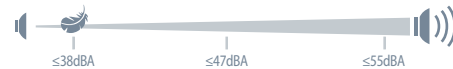


## Star Head - 506A2 - Part #1002562



## Sound Level

According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.



## Fabrication Recommendations

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor. Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.



\*Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.



\*\* Minimum application weight to ensure smooth operation.

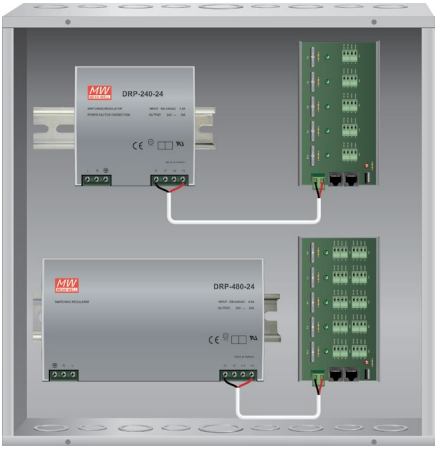





# Somfy Power/Control Distribution Enclosure Options

Not to be used with SDN installations

<b>5 Motor</b>	<b>Model #1870196</b>
	
<b>Kit Includes</b>	
1 - 5 Motor/Control Distribution Panel	
1 - 24V DC 10 Amp Power Supply	
1 - 12 in. x 12 in. x 6.25 in. Enclosure	
	

<b>10 Motor</b>	<b>Model #1870192</b>
	
<b>Kit Includes</b>	
1 - 10 Motor/Control Distribution Panel	
1 - 24V DC 20 Amp Power Supply	
1 - 18 in. x 18 in. x 6.25 in. Enclosure	
	

<b>15 Motor</b>	<b>Model #1870197</b>
	
<b>Kit Includes</b>	
1 - 5 Motor/Control Distribution Panel	
1 - 10 Motor/Control Distribution Panel	
1 - 24V DC 10 Amp Power Supply	
1 - 24V DC 20 Amp Power Supply	
1 - 18 in. x 18 in. x 6.25 in. Enclosure	
	

<b>20 Motor</b>	<b>Model #1870198</b>
	
<b>Kit Includes</b>	
2 - 10 Motor/Control Distribution Panel	
2 - 24V DC 20 Amp Power Supply	
1 - 18 in. x 18 in. x 6.25 in. Enclosure	
	



# WireFree Control Accessories - Radio Technology Somfy® (RTS)



## Telis Hand-Held Remote Collection



Telis 1 RTS Lounge Single Channel Remote  
1810650



Telis 4 RTS Lounge Five Channel Remote  
1810652



Telis 1 RTS Silver Single Channel Remote  
1810639



Telis 4 RTS Silver Five Channel Remote  
1810641



Telis 1 RTS Pure Single Channel Remote  
1810632



Telis 4 RTS Pure Five Channel Remote  
1810633



Telis 1 RTS Patio Single Channel Remote  
1810643



Telis 4 RTS Patio Five Channel Remote  
1810645



Situ 1 Channel RTS Remote  
1800128



Situ 5 Channel RTS Remote  
1800139



Telis 1 Modulis RTS Pure with Scroll Wheel  
1811234



Telis 4 Modulis RTS Pure with Scroll Wheel  
1811235



Telis 16 Channel RTS Pure Remote with On-screen display  
1811081



Telis 16 Channel RTS Silver Remote with On-screen display  
1811082



Telis 1 Chronis RTS Pure Timer with On-screen display  
1805237

## Decoflex Wirefree™ Wall Switches



DecoFlex 1 Channel RTS WireFree™ Wall Switch



DecoFlex 2 Channel RTS WireFree™ Wall Switch



DecoFlex 3 Channel RTS WireFree™ Wall Switch



DecoFlex 4 Channel RTS WireFree™ Wall Switch



DecoFlex 5 Channel RTS WireFree™ Wall Switch

- Wall Switches shown in white. Also available in black and ivory.
- Shown assembled with printed channel buttons.
- Custom engraved buttons are also available.



Black



Ivory

## Smoove® Wall Switch



Smoove® 1 RTS Pure

- Battery-operated convenience
- Surface mounts with ease
- Frames available in 7 colors



Pure



Silver Matte



Black



Light Bamboo



Amber Bamboo



Cherry



Walnut

## Table Top Accessories

\*DecoFlex Switch sold separately from Table Top Accessory



DecoFlex WireFree™ RTS Table Top Accessory Black  
1811051\*



DecoFlex WireFree™ RTS Table Top Accessory Silver  
1810972\*



DecoFlex WireFree™ RTS Table Top Accessory White  
1811185\*

# WireFree Control Accessories

## Radio Technology Somfy® (RTS)

### Indoor RTS Sensors



Sunis Indoor  
WireFree™ RTS  
#9013707



ThermoSunis Indoor  
WireFree™ RTS  
#9013708

### RTS Repeater



RTS Repeater  
(extends RTS range)  
#1810791



## RTS Motor Interfaces

### ZRTSI II



Z-Wave® to RTS Interface2  
Integrates Somfy RTS  
motorized applications with  
Z-Wave® control systems  
#1811265

### myLink™



RTS Smart Phone and Tablet Interface  
Control window coverings, awnings, screens and  
rolling shutters using your tablet, smartphone or  
voice. Create timed events, scenes and more. Integra-  
tion-ready for third-party control.  
#1811403

### 16 Channel RTS Interface



Universal RTS Interface  
16 Channel  
Converts IR, RS232, RS485 to RTS  
#1810872

### Somfy Connect™ LTI



Integrates Somfy RTS and Somfy  
Digital Network™ (SDN) motor-  
ized applications with RadioRA® 2,  
Homeworks® QS, GRAFIF Eye® QS,  
and Quantum® control systems.  
#1870210

### Somfy Connect™ Universal Automation Interface



Commision and integrate Somfy-powered  
SDN solutions over IP.  
#1870272

### Dry Contact



RTS Dry Contact Interface  
Single Channel  
#1810493

# WireFree Power Accessories for Lithium-ion Motors

## WireFree Accessories for Sonesse® 30 Li-ion & Roll Up 28 Li-ion

### Sonesse 30 WireFree Plug-in Charger



#9020672

### Lithium-ion Charger for Sonesse ULTRA WireFree motors



#9025166

### Extension Cables

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Extension Cable for  
Sonesse ULTRA WireFree Motors, 8"

#9021131



Extension Cable for  
Sonesse ULTRA WireFree Motors, 94.5"

#9021016



Sonesse 30 WireFree Charger  
Extension Cable, 96"

#9020673

Operate your motorized solutions whether you're at home or away



The myLink™ puts you in control, so that you can operate your motorized solutions whether you're home or not. At work and realized you forgot to close your shades for the day? Not a problem. With a simple tap of the myLink app you can close all your shades.

### Channel Control

The myLink now features 16 channels so you can control up to 16 individual or 16 groups of motorized solutions with one myLink. This provides an ideal zone control and allows you to mix and match motorized solutions with ease. It's scalable so you can always use multiple myLinks together if additional channels are needed.

### Sunlight Control

The myLink provides convenient and effortless sunlight control to create your optimal living environment. Its robust capabilities allow you to spend your time doing what you enjoy most and maximize the benefits that your Somfy-powered products provide, such as energy savings, privacy, and convenience.

### Scheduling & Operating Solutions



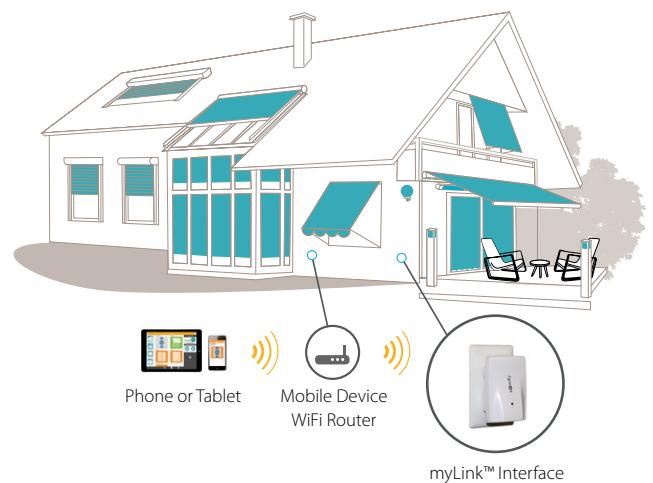
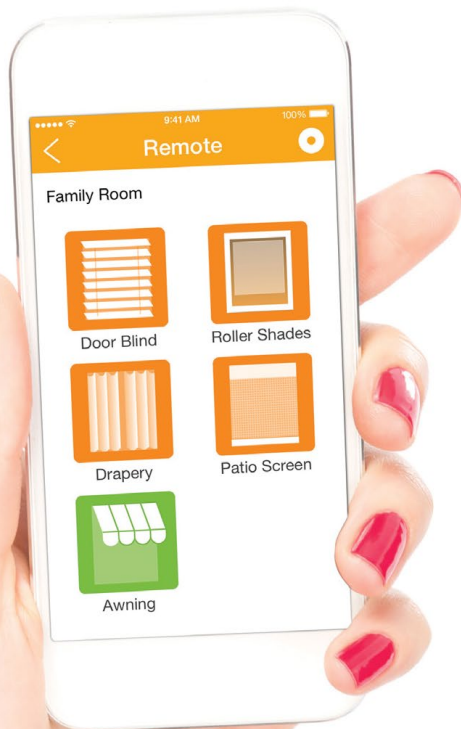
**Create a Scene** to operate multiple motorized solutions together. Enjoy a relaxing lunch on your deck on a warm sunny day! Close all the shades in your kitchen and extend your awning with a single tap or with the sound of your voice! Your interior stays cool and comfortable while you enjoy lunch in the shade.



**Schedule** your motorized solutions to experience high-end home automation at a fraction of the price. myLink can schedule your motorized shades to automatically open at 7am to start the day with natural light, or close all your shades at 8pm for privacy and peace of mind.



Use simple **voice commands** to control your myLink system so you don't have to stop what you're doing!



The Somfy myLink plugs directly into any standard wall outlet and communicates over your home's WiFi network. *Intended for zone control. Multiple myLinks may be required.*





The myLink™ RTS Smartphone and Tablet Interface is a WiFi to Radio Technology Somfy® (RTS) bridge that can control up to 16 channels of RTS motorized products using the Somfy myLink apps for iOS and Android devices. Through the app, users can send immediate RTS commands, create scenes (a group of motorized products working together) and schedules (timed events). Users may access their myLinks from anywhere with the app's remote access feature.

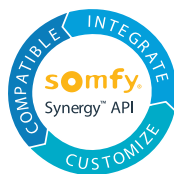
Though the myLink is a single-zone controller, multiple myLinks can be joined within the same system for multi-zone control. The myLink can also be used as a WiFi to RTS interface for integration with third-party control systems and is compatible with the Somfy Synergy™ API and Amazon Alexa (Recommended for spaces up to 4,000 sq. ft.).

**Technical Specifications**

- 120V AC; 50-60Hz
- Ultra Low Power Wi-Fi (802.11 a/b/g/n)
- 3.64" L x 2.35" W x 1.95" H
- Radio Frequency:
  - » *RTS 433.42 MHz*
  - » *WiFi: 2.4 & 5GHz*
- iOS Version: 7 and higher
- Android Version: Jelly Bean and higher
- FCC ID: DWNMYLINK
- Operating Temp: 41°F - 113°F (5°C - 45°C)
- Rated Current (Amps): 10 - 50 milliamps
- Insulation Class: Class II
- For Indoor Use Only
- Enclosure:
  - » *PE*
  - » *UL94V-0 flame rating*
  - » *RoHS compliant*
- Shipping Weight: 1lb

**Features Summary**

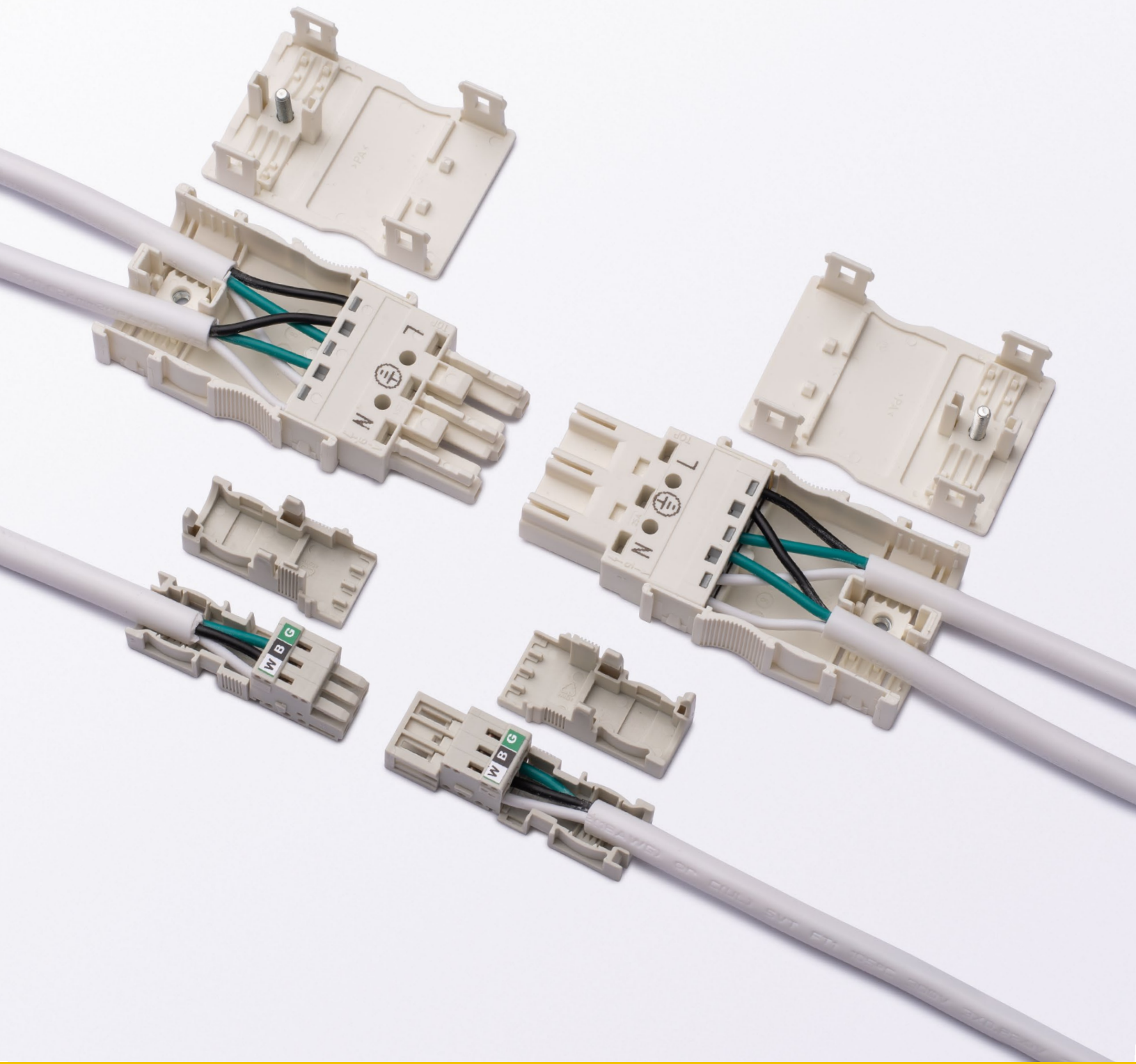
- Control up to 16 RTS channels per myLink™ from iOS & Android devices
- Join up to 10 myLinks together for multi-zone control
- Manually activate RTS products
- Automate window coverings with scenes and schedules
- Supports Up/Down/My/Stop commands and incremental control (tilt/brightness)
- Multiple users
- Remote access
- Integration with third-party systems over IP
- Compatible with Somfy Synergy™ API
- Compatible with Amazon Alexa and Google Assistant via IFTTT



**IFTTT**

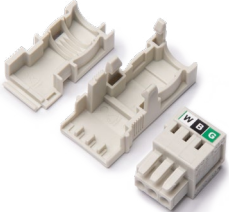
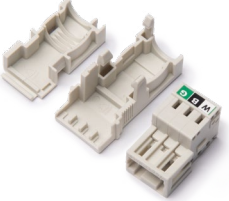






<b>myLink™ RTS Smartphone and Tablet Interface - Part # 1811403</b>	
Element	Function
<b>1</b>	<b>Setup Button</b> Engages setup mode
<b>2</b>	<b>Status LED</b> <b>Solid Red:</b> Setup mode. The myLink is ready to accept WiFi network information or have its PIN changed. This is the mode the myLink should be in out of the box. <b>Solid Green:</b> successfully connected to a WiFi network <b>Slow Blinking Green:</b> myLink is trying to connect to a WiFi network/is disconnected from its known WiFi network <b>Blinking Red:</b> myLink is sending RTS commands <b>Solid Orange:</b> Firmware update mode <b>Slow Blinking Red:</b> myLink is scanning both 2.4GHz and 5GHz bands for nearby WiFi networks



# Wago Connectors

# Wago Connectors

3-Wire Quick-Connectors		Model #
	In-line Connector Female - Motor End	734-103
	In-line Connector Male - Power End	734-303
	Daisy Chain 3-way Connector - Female	770-133
	Daisy Chain 3-way Connector - Male	770-123
<b>Tools</b>		
	Screw Driver - for Daisy Chain Connectors	210-719
	Plastic Tool - for In-line Connectors	734-231

