400 Series
Databook

somfy.

Table of Contents

Pro Tools and Support

The TaHoma® pro app provides hassle-free manufacturing and installation. A revolution in building and programming smart window coverings.

Download on the App Store   GET IT ON Google Play

Serv-e-Go® is a web application for dealers to elevate after-sales support by remotely diagnosing errors and providing real-time support to end users enjoying Zigbee installations.

Help me by Somfy is an app that provides step-by-step guidance when installing Somfy products - no need for paper manuals, regardless of the project.

Reduce the risk of errors, stop wasting time, and enjoy successful motorization installations.

Download on the App Store   GET IT ON Google Play

Somfy's e-learning platform provides access to on-demand training, as well as live training events.

With **Somfy U**, you and your employees can learn about Somfy product and technologies. Plus, be eligible to earn rewards for learning about Somfy solutions upon completion of your first class.

The Somfy Expert Program is designed with a single goal in mind: to help your business thrive.

Our program provides specialized tools, direct support, and on-demand training featuring a growing range of smart home solutions. The Somfy Expert program is designed to help grow your business by creating a smarter, more efficient home for your customers.

A committed customer support team of Somfy motor and control specialists available for assistance:

General Customer Service
877-210-5327 • customerservice_us@somfy.com

Somfy Corporate Headquarters
800-22-SOMFY (76639)

Standard Purchase Order
ordering_us@somfy.com

Rush Purchase Order
expeditedshippingorders_us@somfy.com

Accounting Inquiries
accountsreceivable@somfy.com

Technical Support
877-233-0019
technicalsupport_us@somfy.com

Warranty Claim Requests
us_return@somfy.com

5 YEARS WARRANTY

Somfy understands that training and support are critical to success. Somfy's Expert Program has been developed to provide a platform for those who want to enhance their expertise of motorization and control solutions. Visit **www.somfypro.com** to learn more and sign up for training.

Somfy's 40mm Motor Range

This document is a presentation of accessories and specifications related to the Sonesse® 40, Altus® 40 RTS, and LS 40 Wired motors. It provides the technical information needed to order, fabricate, and sell the complete range of Somfy's 40 mm motors. For additional information regarding any of the products in this document including motors, power sources, controls, interfaces, etc., please reference www.somfysystems.com where detailed instructions are available for download.

Conveniently Quiet - Sonesse® 40
The Sonesse® 40 Range with patent pending technology features a newly designed brake, rotor and gearbox to further reduce motor operating sound. Available in Zigbee, PoE, RS485, WT, and RTS technologies, the Sonesse 40 can be used in a variety of interior window covering applications.

Power, Simplicity, and Convenience - Altus® 40 (RTS)
The Altus® 40 RTS features an integrated radio receiver within the motor which eliminates any wiring between the motor and controls. Available in two torques 4Nm and 9Nm, the Altus 40 RTS is ideal for exterior product applications.

Proven Strength and Reliability — LS 40 (Wired)
The LS 40 motor is Somfy's original 40 mm solution. This robust and durable motor is available in a wide variety of torques and speeds and is a dependable source for exterior applications.

Solar/Roller Shades
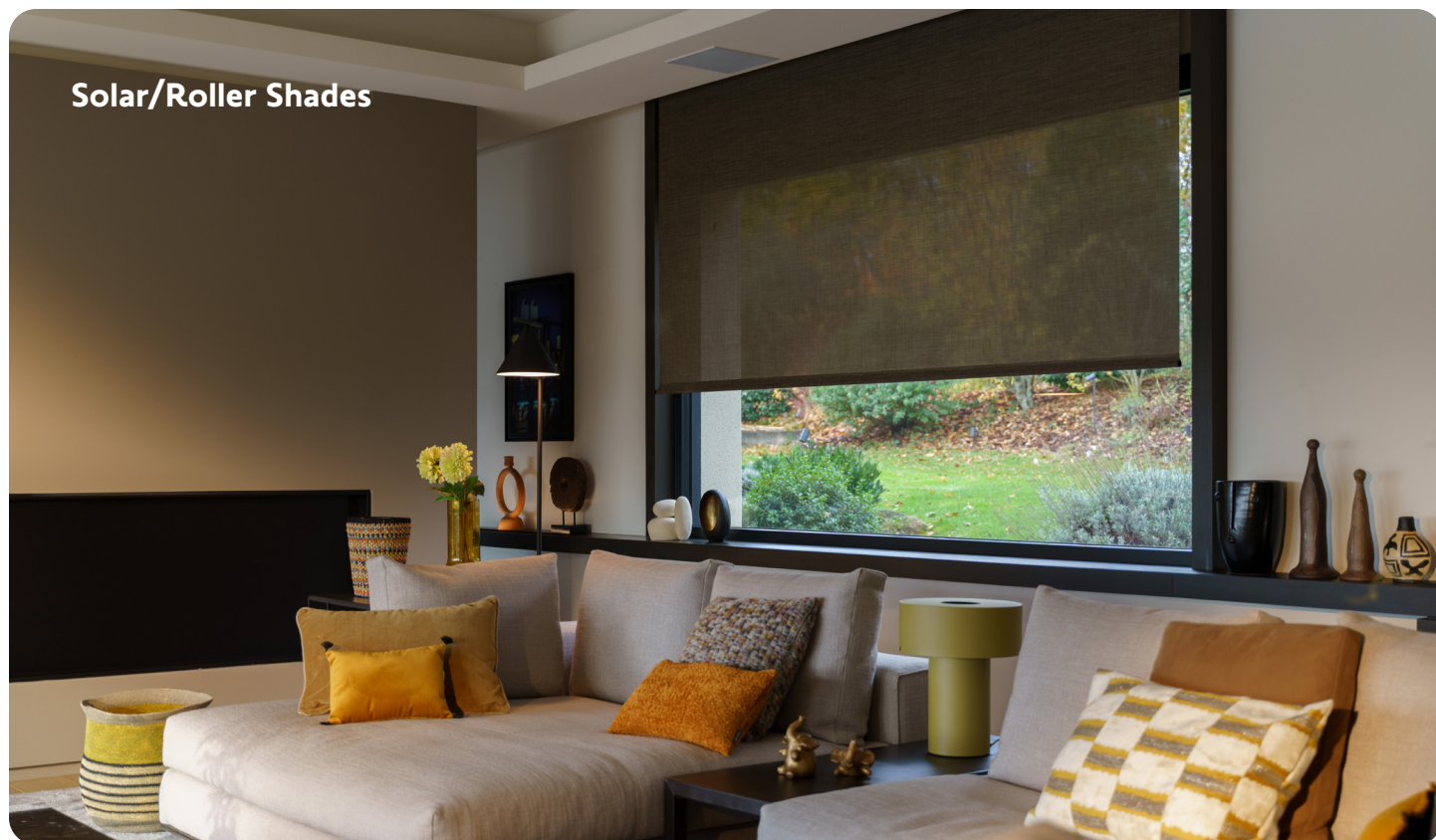
Sheer Horizontal Shades

Roman/Woven Shades

Horizontal Blinds

Awnings

Rolling Shutters

Exterior Solar Screens

Globally adopted IoT
control solution

Low-voltage control
utilizing CAT-5e

Commercial Building
Control

Offers control via
standard AC switching

Radio Technology Somfy® (RTS)
allows wireless radio control

As with all Somfy products, motors
are backed by a 5 year warranty

Sonesse® 40

Designed to set the new acoustic standard.

The most compact, adaptable and quiet 40 mm AC motor dedicated to interior window coverings.

The Sonesse® 40 range features 4 patents pending that reduce motor operating sound. The brake, rotor, and gearbox are all specially designed to absorb sources of noise. It motorizes a variety of applications, and available in multiple technologies. Somfy offers a full range of compatible controls and accessories.

SOMFY DESIGNED FOR SILENCE - Quietness Scale

Somfy DESIGNED FOR **SILENCE**

The Sonesse® range of motors are rated according to their quietness. The volume scale below appears on all Sonesse range specification pages and designates the motor's level of sound output.

≤ 40 dBA   ≤ 42 dBA   ≤ 44 dBA   ≤ 55 dBA

Situo 5 Variation RTS
Hand-held Remote

zigbee

PoE
Power over Ethernet

Somfy
Digital
Network
RS485

WIRED TECHNOLOGY

R T S
Radio Technology Somfy®

New and improved spring brake eliminates stopping and tilting noise.
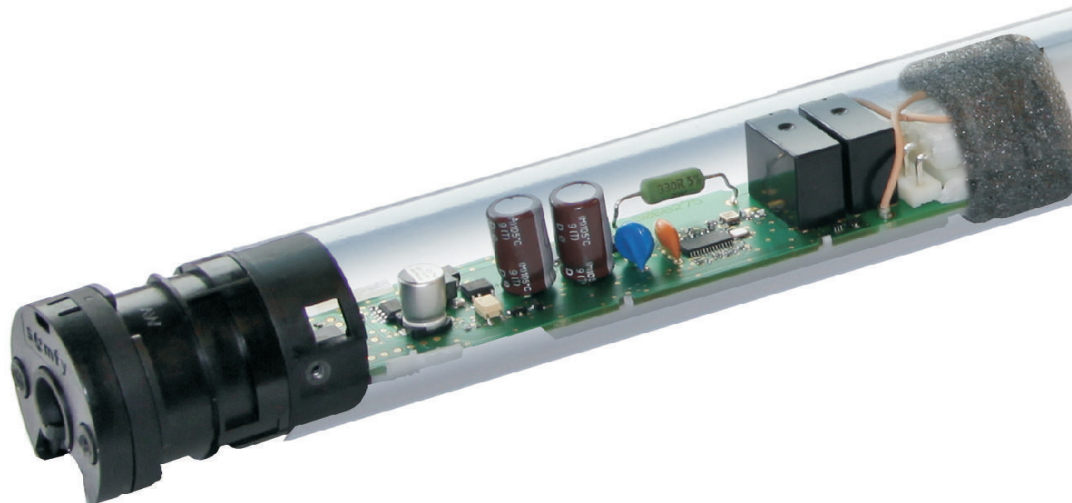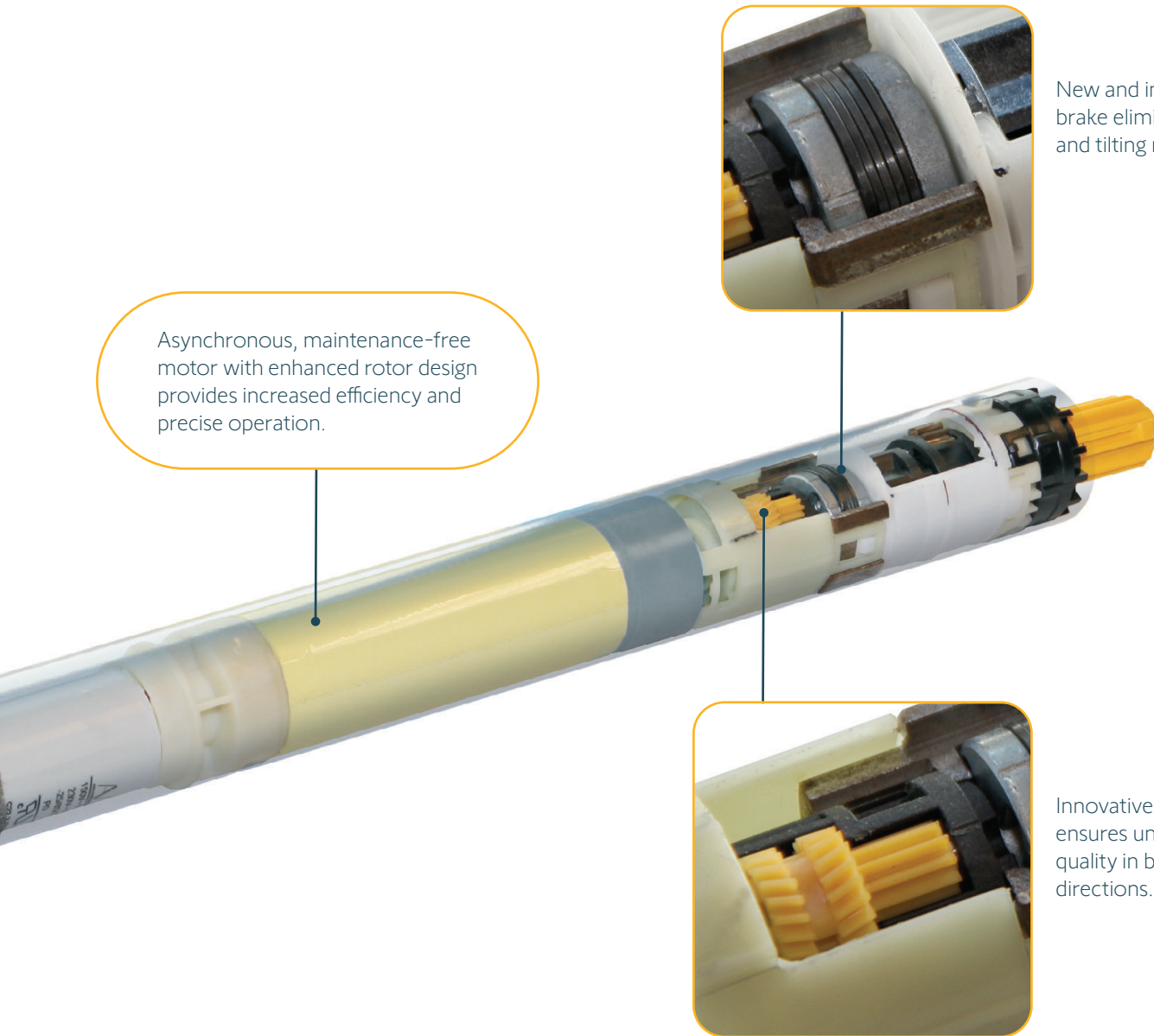
Asynchronous, maintenance-free motor with enhanced rotor design provides increased efficiency and precise operation.

Innovative helical gearbox ensures uniform sound quality in both up and down directions.

Sonesse® 40 AC Zigbee

Item #: 1245920 Sonesse® 40 Zigbee 404S2 with Fast Connector
Item #: 1245921 Sonesse® 40 Zigbee 406A2 with Fast Connector
Item #: 1245922 Sonesse® 40 Zigbee 409R2 with Fast Connector

Technical Features

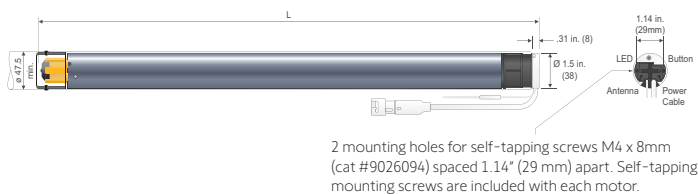|	
Voltage Supply	120V/60Hz AC
Index Protection Rating	IP 31 (for indoor use only)
Limit Switch Type	Electronic
Limit Switch Capacity	250 turns
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class II
Thermal Protection	4 minutes
Repeatability	+/-4°
Antenna	6.9 in. (17.5cm) wire length, must not be cut or lengthened. For greatest RF range, antenna must be out of the rail/tube/cassette.

Dimensions

2 mounting holes for self-tapping screws M4 x 8mm (cat #9026094) spaced 1.14" (29 mm) apart. Self-tapping mounting screws are included with each motor.

Specifications

Torque (Nm)	4	6	9
Speed (rpm)	36	24	14
Motor Length (L) in./mm	20.2 in. (514mm)	21.5 in. (545mm)	
Rated Current (Amp)	0.79	1	1
Radio Frequency	2.4 GHz		
Radio Protocol	Zigbee 3.0 / Bluetooth 4.2		
Stand By Consumption (W)	0.5		
Sound Level dB(A)*	42	44	40

*Sound level:
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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.
- Inside 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.

Optional Head Covers

Optional Grey #9026091

Optional Black #9026092

White (supplied with motor) #9026090

Applications

Roller shades   Roman shades   Woven woods   Pleated shades*   Cellular shades*

Layered/ Zebra shades*   Projection screens   Horizontal blinds*

*Using CTS40

Main Functionalities

	Designed for silence		Position feedback
	Openness of the Zigbee protocol		Quick & easy settings
	Mesh network router		"my" function
	Tilting		Works with Apple Home

Integrated Motor Plates (sold separately)

9025997	Sonesse 40 Motor Plate Rollease R16-24 15.9 x 1.8mm & screws		
9026000	Sonesse 40 Motor Plate Rollease RBGAL 16 x 3.2mm & screws		
9025996	Sonesse 30 Motor Plate Rollease 360 R3-R8 10 x 1.8mm and screws		
9025999	Sonesse 30 Motor Plate Acmeda 12mm and screws		
9026003	Sonesse 30 Motor Plate Rollease Skyline and screws		
9026093	Sonesse 30 Motor Plate M3 x 6mm Philips flat-head plastite screw		

Cables

Cable type: White 2-conductor SVT 2 - AWG 18 : 0.824 mm² / Fast Connector 7.9 in. (20cm)
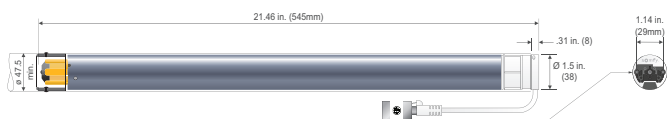
Certifications

Sonesse® 40 PoE

Item #: 1241426 Sonesse 40 PoE at 2/25 Type 2 (30W)
Item #: 1241427 Sonesse 40 PoE bt 4/25 Type 3 (60W)
Item #: 1241428 Sonesse 40 PoE bt 6/25 Type 4 (75W)

Technical Features

Voltage Supply & Tolerance	48V DC (42.5V DC −57V DC)
Thermal run time	5 minutes
Repeatability	+/-5°
Index Protection Rating	IP30 (interior use only)
Limit Switch Unit	Electronic
Temperature Working Range	From 32°F to 140°F (0°C to 60°C)
Insulation Class	Class III
Max Distance from Power Source	328 ft. (100m)

Dimensions

21.46 in. (545mm)
ø 47.5 min
.31 in. (8)
Ø 1.5 in. (38)
1.14 in. (29mm)

2 mounting holes for self-tapping screws M3.5x9mm
(cat #9014066) spaced 1.14 in. (29mm) apart.

Specifications

Nominal Torque (Nm)	2	4	6
Power Supply (IEEE 802.3bt)	Type 2 (30W)	Type 3 (60W)	Type 4 (75W)
Nominal Speed (rpm)	25		
Rated Power (W)	25	51	62
Protocol	Somfy Synergy™ API, CoAP		
Security	Certificate + PIN code to secure TCP/TLS AES-128 encryption over UDP		
Stand By Consumption (W)	<1 W		
Sound Level dB(A)*	41	42	47

*Sound level:
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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
- Inside 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.

Applications

Roller shades | Roman shades | Layered/ Zebra shades* | Sheer horizontals | Horizontal blinds* | Projection screens

Main Functionalities

	Designed for silence		**Thin head**
	Adjustable speed		**Built-in speed control**
	Position feedback		**LED provides feedback on motor**
	Motor unique identifier		**Soft start and soft stop**

Integrated Motor Plates (sold separately)

9025997	Sonesse 40 Motor Plate Rollease R16–24 15.9 x 1.8mm & screws	
9026000	Sonesse 40 Motor Plate Rollease RBGAL 16 x 3.2mm & screws	
9025996	Sonesse 30 Motor Plate Rollease 360 R3-R8 10 x 1.8mm and screws	
9025999	Sonesse 30 Motor Plate Acmeda 12mm and screws	
9026003	Sonesse 30 Motor Plate Rollease Skyline and screws	
9026093	Sonesse 30 Motor Plate M3 x 6mm Philips flat-head plastite screw	

Cables

CAT-5e SF/UTP — RJ45 7.5 in. (19cm) pigtail with RJ45 shielded female to female coupler, #9028957

Optional Head Covers

Optional Grey #9027133 | Optional Black #9027134 | White (supplied with motor) #9027132

Sonesse® 40 RS485

Item #: 1240562 Sonesse® 40 RS485 404S2 without Fast Connector
Item #: 1240563 Sonesse® 40 RS485 406A2 without Fast Connector
Item #: 1240564 Sonesse® 40 RS485 409R2 without Fast Connector

5 YEARS WARRANTY

Somfy DESIGNED FOR SILENCE

Somfy Digital Network RS485

Technical Features

Voltage Supply	120V/60Hz AC
Index Protection Rating	IP 31 (for indoor use only)
Limit Switch Type	Electronic
Limit Switch Capacity	250 turns
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class II
Thermal Protection	4 minutes
Repeatability	+/-4°

Dimensions

2 mounting holes for self-tapping screws M4 x 8mm (cat #9026094) spaced 1.14" (29 mm) apart. Self-tapping mounting screws are included with each motor.

Specifications

Torque (Nm)	4	6	9
Speed (rpm)	36	24	14
Motor Length (L) in./mm	20.2 in. (514mm)	21.5 in. (545mm)	
Rated Current (Amp)	0.95		
Stand By Consumption (W)	0.5		
Sound Level dB(A)*	42	44	40

*Sound level:
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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
- Inside 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.

Optional Head Covers

Optional Grey #9026091

Optional Black #9026092

White (supplied with motor) #9026090

Applications

Roller shades	Pleated shades*	Roman shades	Horizontal blinds*	Layered/ Zebra shades*	Projection screens

Main Functionalities

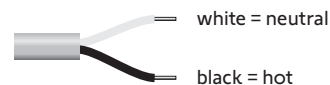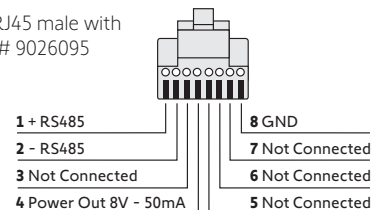|			
	Designed for silence		Thin head
	LED provides feedback on motor		Easy limit setting
	Position feedback		Motor unique identifier

Integrated Motor Plates (sold separately)

9025997	Sonesse 40 Motor Plate Rollease R16-24 15.9 x 1.8mm & screws	
9026000	Sonesse 40 Motor Plate Rollease RBGAL 16 x 3.2mm & screws	
9025996	Sonesse 30 Motor Plate Rollease 360 R3-R8 10 x 1.8mm and screws	
9025999	Sonesse 30 Motor Plate Acmeda 12mm and screws	
9026003	Sonesse 30 Motor Plate Rollease Skyline and screws	
9026093	Sonesse 30 Motor Plate M3 x 6mm Philips flat-head plastite screw	

Cables

Cable type: white 2 conductor SVT 9.8 ft (3m) AWG 18

white = neutral
black = hot

Cable type: white 11.8 in. (30cm) RJ45 male with RJ45 Female/Female coupler part# 9026095

1 + RS485	8 GND
2 - RS485	7 Not Connected
3 Not Connected	6 Not Connected
4 Power Out 8V - 50mA	5 Not Connected

Certifications

c UL us LISTED   CE   ACT FOR GREEN

Sonesse® 40 WT

404S2 1240377 **409R2** 1240379
406A2 1240378

Somfy DESIGNED FOR SILENCE

WIRED TECHNOLOGY
W
Offers control via power switching

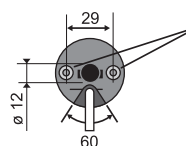## Technical Features

Voltage Supply	120V AC	**Limit Switch Capacity**	40 Turns
Index Protection Rating (interior use only)	Motor: IP 44 Fast Connector: IP55	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Limit Switch Type	Progressive Adjustment (PA)	**Insulation Class**	Class 1 for 120V AC

Dimensions

L1
L2
13.7 (max)
ø 38
L3

29
ø 12
60
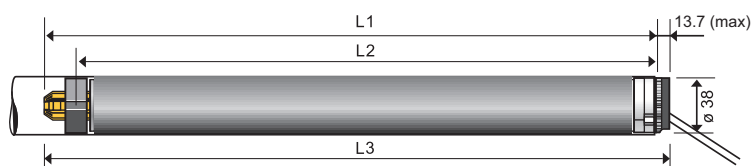
2 mounting holes for self tapping screws. Dia. 4 mm (cat #100405B) Depth 9 mm spaced 1.14" (29 mm) apart.

Self tapping mounting screws are included with each motor.

NOTE: Illustration dimensions in millimeters (mm).

	404S2	406A2	409R2
L1	18.19 in. (462 mm)	19.45 in. (494 mm)	19.45 in. (494 mm)
L2	17.36 in. (441 mm)	18.62 in. (473 mm)	18.62 in. (473 mm)
L3	18.82 in. (478 mm)	20.08 in. (510 mm)	20.08 in. (510 mm)
Cable Length	1.6 ft (.5 m) to Fast Connector		

Certifications

c UL US

Specifications

	404S2	406A2	409R2
Torque	4 Nm	6 Nm	9 Nm
Nominal Voltage	120V / 60Hz		
Rated Current	.95A		
Speed	36 rpm	24 rpm	14 rpm
Thermal Protection	4 minutes		
*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.

≤ 40 dBA ≤ 42 dBA ≤ 44 dBA   ≤ 55 dBA

Type of power cable

Wired
120V AC / 60Hz
4-Conductor 1.6 ft. SJTW Cable on Motor with Fast Connector

Extension Cable (sold separately)

green = ground
black = direction 2
red = direction 1
white = neutral

4 Conductor Fast Connector Extension Cable with Open Leads
9021117 4.4 ft.
9021118 8.4 ft.
9021120 16.4 ft.
9021121 22.4 ft.

Sonesse® 40 RTS

404S2 1240380   **409R2** 1240382
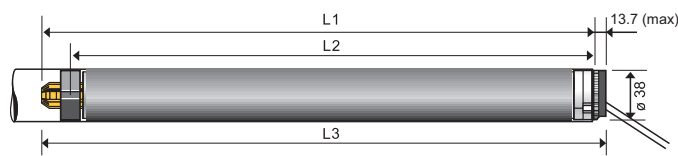**406A2** 1240381

Somfy
DESIGNED FOR
SILENCE

R T S
Radio Technology Somfy®

Offers control via Radio
Technology Somfy® (RTS)

Technical Features

Voltage Supply	120V AC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating (interior use only)	Motor: IP 44 Fast Connector: IP55	**Insulation Class**	Class 1 for 120V AC
Limit Switch Type	Electronic (RTS)	**Antenna**	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
Limit Switch Capacity	200 Turns		

Dimensions

NOTE: Illustration dimensions in millimeters (mm).
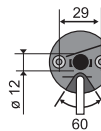
2 mounting holes for self tapping screws. Dia. 4 mm (cat #100405B)
Depth 9 mm spaced 1.14" (29 mm) apart.

Self tapping mounting screws are included with each motor.

	404S2	406A2	409R2
L1	19.96 in. (507 mm)	21.18 in. (538 mm)	21.18 in. (538 mm)
L2	19.00 in. (483 mm)	20.24 in. (514 mm)	20.24 in. (514 mm)
L3	20.5 in. (520 mm)	21.69 in. (551 mm)	21.69 in. (551 mm)
Cable Length	1.6 ft (.5 m) to Fast Connector		

Certifications

c**RU**us

Specifications

	404S2	406A2	409R2
Torque	4 Nm	6 Nm	9 Nm
Nominal Voltage	120V / 60Hz		
Rated Current	.95A		
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.
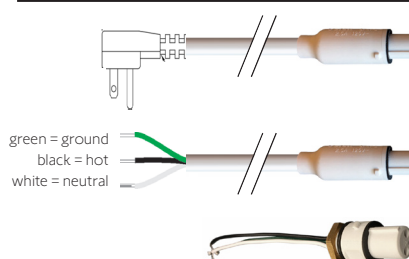
≤ 40 dBA   ≤ 42 dBA   ≤ 44 dBA   ≤ 55 dBA

Type of power cable

RTS
120V AC / 60Hz
3-Conductor 1.6 ft. SJTW Cable on
Motor with Fast Connector

Extension Cable (sold separately)

green = ground
black = hot
white = neutral

3 Conductor Fast Connector Extension Cable with NEMA Plug (RTS & RS485)

9021113	1.4 ft.	9021114	4.4 ft.
9021115	8.4 ft.	9020791	10.4 ft.
9020792	18 ft.	9020793	24 ft.

3 Conductor Fast Connector Extension Cable with Open Leads or No NEMA
9021157   8.4 ft.

3 Conductor Panel Mount Female Fast Connector for direct connection to J-Box
9026398   Panel Mount Female Fast Connector

LS 40 WT

412R2 1024192

WIRED TECHNOLOGY

Offers control via power switching

Technical Features

Voltage Supply	120V AC		**Limit Switch Capacity**	40 Turns
Index Protection Rating	IP 44		**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Limit Switch Type	Progressive Adjustment (PA)		**Insulation Class**	Class 1 for 120V AC

Dimensions

L1 · L2 · 13.7 (max) · Ø 38 · L3

29 · Ø 12 · 60

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.

NOTE: Illustration dimensions in millimeters (mm).
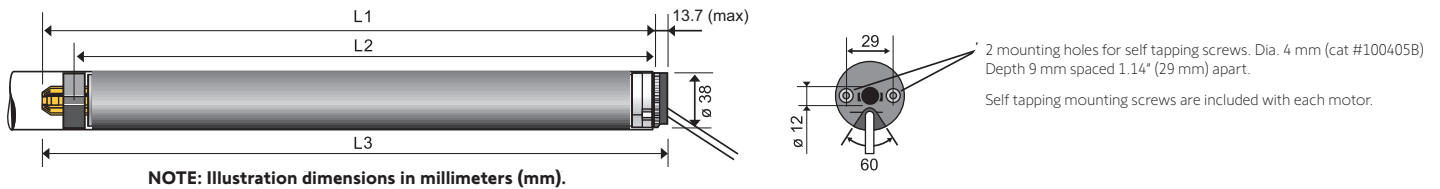
	404S2	404R2	409R2	412R2
L1	18.46 in. (469 mm)	18.46 in. (469 mm)	18.46 in. (469 mm)	18.46 in. (469 mm)
L2	17.64 in. (448 mm)	17.64 in. (448 mm)	17.64 in. (448 mm)	17.64 in. (448 mm)
L3	19.09 in. (485 mm)	19.09 in. (485 mm)	19.09 in. (485 mm)	19.09 in. (485 mm)
Cable Length	6.5 ft (2 m)			

Specifications

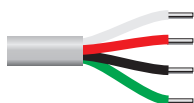|	404S2	404R2	409R2	412R2
Torque	4 Nm	4 Nm	9 Nm	12 Nm
Nominal Voltage	120V / 60Hz			
Rated Current	.95A	.85A	1.05A	1.05A
Speed	36 rpm	18 rpm	18 rpm	10 rpm
Thermal Protection	5 minutes			
*Sound Level	57 dBA	57 dBA	54 dBA	54 dBA

*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.

Type of power cable

Wired
120V AC / 60Hz
4-Conductor Cable

white = neutral
red = direction 1
black = direction 2
green = ground

Certifications

Altus® 40 RTS

**404S2** 1240260   **409R2** 1240261

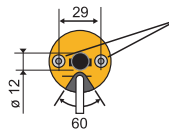Somfy DESIGNED FOR SILENCE

R T S
Radio Technology Somfy®

Offers control via Radio Technology Somfy® (RTS)

Technical Features

Voltage Supply	120V AC		**Temperature Working Range**	14°F to 104°F (−10°C to 40°C)
Index Protection Rating	Motor: IP 44 Fast Connector: IP55		**Insulation Class**	Class 1 for 120V AC
Limit Switch Type	Electronic (RTS)		**Antenna**	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
Limit Switch Capacity	200 Turns			

Dimensions

L1
L2
13.7 (max)
Ø 38

L3

29
Ø 12
60
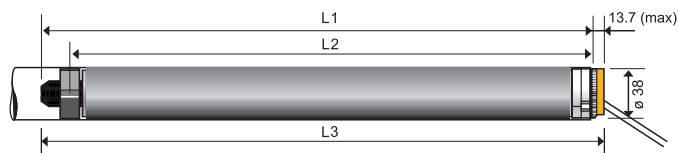
2 mounting holes for self tapping screws. Dia. 4 mm (cat #100405B) Depth 9 mm spaced 1.14" (29 mm) apart.

Self tapping mounting screws are included with each motor.

NOTE: Illustration dimensions in millimeters (mm).

	404S2	409R2
L1	20.08 in. (510 mm)	20.87 in. (530 mm)
L2	19.13 in. (486 mm)	19.92 in. (506 mm)
L3	20.59 in. (523 mm)	21.38 in. (543 mm)
Cable Length	1.6 ft (.5 m) to Fast Connector	

Certifications

c ®UL US

Specifications

	404S2	409R2
Torque	4 Nm	9 Nm
Nominal Voltage	120V / 60Hz	
Rated Current	.95A	1.05A
Speed	36 rpm	18 rpm
Thermal Protection	5 minutes	
Radio Frequency	433.42 MHz	
***Sound Level**	57 dBA	54 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.
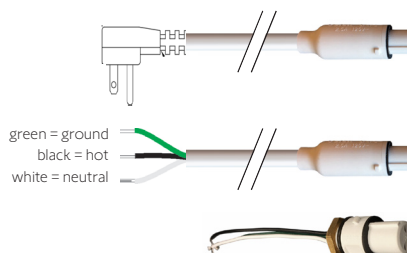
Type of power cable

RTS
120V AC / 60Hz
3-Conductor 1.6 ft. SJTW Cable on Motor with Fast Connector

Extension Cable (sold separately)

3 Conductor Fast Connector Extension Cable with NEMA Plug (RTS & RS485)

9021113	1.4 ft.	9021114	4.4 ft.
9021115	8.4 ft.	9020791	10.4 ft.
9020792	18 ft.	9020793	24 ft.

green = ground
black = hot
white = neutral

3 Conductor Fast Connector Extension Cable with Open Leads or No NEMA
9021157   8.4 ft.

3 Conductor Panel Mount Female Fast Connector for direct connection to J-Box
9026398   Panel Mount Female Fast Connector

Controls

Zigbee® Technology

TaHoma® switch	Smart Plug	DecoFlex WireFree™ Wall Switches

TaHoma® switch
1871037

TaHoma® switch
(with ethernet adaptor)
1871038

TaHoma® switch
Ethernet Adaptor
9028054

Smart Plug Zigbee
1871217

DecoFlex WireFree™ Zigbee,
White 2 Channel

Surface-mount
1871577

In-wall
1871573

DecoFlex WireFree™ Zigbee,
White 4 Channel

Surface-mount
1871576

In-wall
1871572

Ysia®	Izymo

Ysia® 1 Zigbee
1871153

Ysia® 5 Zigbee
1871154

Ysia® 5 Variation Zigbee
1871281

Izymo™ Motor Receiver Zigbee
1871259

Izymo™ Lighting Receiver Zigbee
1871260

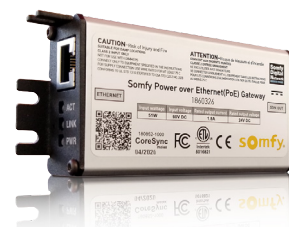## Power over Ethernet Technology

PoE Controls

The SDN PoE Controls utilize PoE technology to power and control the Somfy® 24V RS485 motors for shades and draperies.
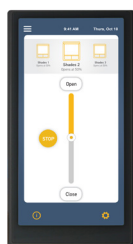
PoE Touch Panel
Room Controller Black
1870731
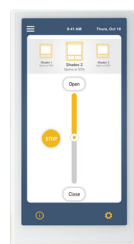
PoE Touch Panel Room
Controller White
1870811

SDN Power over Ethernet
(PoE) Gateway
1860326

NOTE: For additional information regarding Zigbee® or PoE controls, contact Somfy Systems, Inc.

Controls

Integration Accessories

Somfy Connect™ Universal Automation Interface (UAI) Plus

The Somfy Connect™ Universal Automation Interface (UAI) Plus allows for commissioning and integrating Somfy Digital Network™ (SDN) over IP.
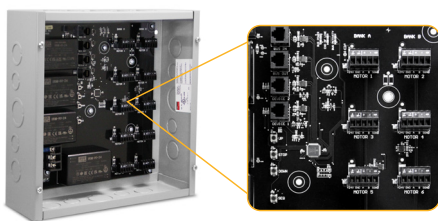
1870272

Somfy Connect™ BMS Interface

Provides communication between building management systems and SDN motorized shading systems.

1871168

Somfy Digital Network™ (SDN) RS485

Surface-mount Power Panel

SDN PowerConnect™ Surface-Mount Panel

This Power Panel is an SDN bus distribution component used to add 10 isolated motor ports and two isolated device ports to an SDN bus segment.

1871026

Rack-mount Power Panels

SDN PowerConnect™ Rack-Mount Panel

This Power Panel is an SDN bus distribution device used to add eight isolated motor ports and two isolated device ports to an SDN bus segment per panel.

Single Kit: 1871027
Dual Kit: 1871312

Data Panel

The Data Panel is a bus distribution component used to start or grow a Somfy Digital Network™ (SDN) system. This device adds 4 isolated bus segments to an SDN system.

1870260

Data Hub V2

The Data Hub V2 is a Somfy Digital Network™ (SDN) bus distribution component which adds 5 device ports to an SDN Bus line.

1870951

Bus & Sensor Station Power Supply

The Somfy Bus and Sensor Station Power Supply provides 24V DC power to the SDN bus. Each Power Supply can provide power to up to 100 bus line devices (excluding motors).

1822440

Controls

Somfy Digital Network™ (SDN) RS485

SDN 0-10V Interface

SDN 0-10V Interface V2

The 0-10V Interface is a Somfy Digital Network™ (SDN) device which receives industry standard 0-10V control input to operate SDN RS485 motors.

1870857

RTS Receiver for SDN and animeo® IP

RTS Receiver for SDN V2

The RTS Receiver for SDN V2 allows RTS transmitters to control SDN groups as part of a stand-alone SDN system. It connects to any device port on the SDN bus for both power and communication.

1871471

RTS Receiver for animeo® IP V2

The RTS Receiver for animeo® IP provides communication between building management systems and SDN motorized shading systems.

1871498

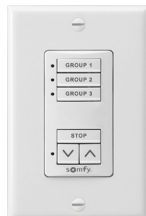## DecoFlex Digital Keypads (RS485)

Stand-alone SDN

6 Button
White: 1871479
Black: 1871495

8 Button
White: 1871472
Black: 1871494

SDN Group Keypads

6 Button
White: 1871497

8 Button
White: 1871496

animeo® IP

6 Button
White: 1871493
Black: 1871492

8 Button
White: 1871491
Black: 1871490

NOTE: Custom button ordering form available at **www.somfypro.com/decoflex-custom-button**
Visit tools page for software to configure keypads, **www.somfypro.com/services-support/software**

animeo® IP

animeo® IP is a total solar management system utilizing Somfy-powered intelligent motorized window coverings as well as digital keypads and weather sensors. The system's controllers, sensors and keypads can be added to both new and existing Somfy Digital Network installations for comprehensive solar management as either a stand-alone solution or integrated into third-party control systems. An intuitive user interface allows for simplified commissioning, building management and technical support, featuring drag-and-drop programming, motor auto discovery and at-a glance system status update.

animeo® IP Building Controller
1822314

animeo® IP Sub-Controller
1860201

Controls

R T S
Radio Technology Somfy®

Radio Technology Somfy® (RTS)

Situo & Telis Collections

Situo® 1 RTS Pure Single Channel Remote 1870571	Situo® 5 RTS Pure Five Channel Remote 1870575	Situo®1 RTS Iron Single Channel Remote 1870572	Situo® 5 RTS Iron Five Channel Remote 1870576	Situo® 1 RTS Natural Single Channel Remote 1870573	Situo® 5 RTS Natural Five Channel Remote 1870577	Situo® 1 RTS Arctic Single Channel Remote 1870574	Situo® 5 RTS Arctic Five Channel Remote 1870578

Situo® 5 RTS Soliris Five Channel Remote 1870579	Situo® 5 RTS Variation Five Channel Remote 1811612	Telis 1 RTS Patio Single Channel Remote 1810643	Telis 4 RTS Patio Five Channel Remote 1810645	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	DecoFlex WireFree™ 3-Button	DecoFlex WireFree™ Surface 5 Channel
White 1810897	White 1811068	White 1811071	White 1811074	White 1810813	White 1870908	White 1871025
Black 1810899	Black 1811067	Black 1811070	Black 1811073	Black 1810830		

- Wall Switches shown in white. Black finish is also available.
- Switches are shown assembled with printed channel buttons.
- Custom engraved buttons are also available.

● Black

- Wall Switches are only available in white.

NOTE: For additional information regarding RTS controls, contact Somfy Systems, Inc.

Controls

Radio Technology Somfy® (RTS)

RTS
Radio Technology Somfy®

Table Top Accessories

DecoFlex WireFree™
RTS Table Top
Accessory
Black
1811051*

DecoFlex WireFree™
RTS Table Top
Accessory
Silver
1810972*

DecoFlex WireFree™
RTS Table Top
Accessory
White
1811185*

*DecoFlex Switch is sold separately from Table Top Accessory.

Smoove® Wall Switches

Smoove® 1 RTS Pure II
1871361

Smoove® 4 RTS Pure II
1871381

- Battery-operated convenience
- Surface mounts with ease
- Frames available in 3 colors

Pure   Silver Matte   Black

TaHoma® switch

TaHoma® switch
1871037

TaHoma® switch
(with ethernet adaptor)
1871038

TaHoma® switch
Ethernet Adaptor
9028054

16 Channel RTS Interface

Universal RTS Interface 16-Channel
(converts IR, RS232, RS485 to RTS)
1810872

RTS Repeater

RTS Repeater
(extends RTS range)
1810791

NOTE: For additional information regarding RTS controls, contact Somfy Systems, Inc.

Controls

Wired AC Controls & Switches

Decorator Toggle Switches (single pole, double throw) & Switchplates

Maintained Toggle Switch (White) 1800381	Maintained Toggle Switch (Ivory) 1800380	Momentary Toggle Switch (White) 1800383	Momentary Toggle Switch (Ivory) 1800382	Plastic Toggle Switchplate (White) 9011963	Plastic Toggle Switchplate (Ivory) 9011962

Decorator Paddle Switches & Switchplates

Maintained Paddle Switch (White) 1800374	Maintained Paddle Switch (Ivory) 1800373	Momentary Paddle Switch (White) 1800378	Momentary Paddle Switch (Ivory) 1800377
Maintained Double Pole, Double Throw Paddle Switch (White) 1800375	Maintained Double Pole, Double Throw Paddle Switch (Ivory) 1800376	Single Gang Paddle Switchplate (White) 9011967	Single Gang Paddle Switchplate (Ivory) 9011966

5 Position Switch | Rocker Switches

5 Position AC Decorator Rocker Switch with Tilting Control (White) 1800388	Decorator Rocker Switch Double Pole, Double Throw Maintained (White) 1800341	Decorator Rocker Switch Double Pole, Double Throw Maintained (Ivory) 1800342	Decorator Rocker Switch Double Pole, Double Throw Momentary (White) 1800345

Decorator/Designer Paddle Switches

Decorator/Designer Paddle Switch Single Pole Maintained (White) 1800374	Decorator/Designer Paddle Switch Single Pole Maintained (Ivory) 1800373	Decorator/Designer Paddle Switch Single Pole Momentary (White) 1800378	Decorator/Designer Paddle Switch Single Pole Momentary (Ivory) 1800377	Decorator/Designer Switch Maintained (Double Pole) (Ivory) 1800376

Controls

Wired AC Controls & Switches

WIRED TECHNOLOGY

Individual Group Control (IGC) 4n1 Motor Controller

IGC 4N1 Motor Controller
1811416

IGC 4N1 Motor Controller Shutter Mode
1870902

IGC 4N1 RTS Radio Receiver
1811492

DecoFlex Dry Contact Keypad
1811402

IGC RTS Radio Receiver (Momentary)
1810481

Group Control System II (GCS II)

Group Control System II (GCS II)
1810476

Dry Contact

DRY CONTACT

RTS Dry Contact Interface	Outdoor Receivers	Eolis Sensor	Soliris Sensor

RTS Dry Contact Interface
Single Channel

1810493

Outdoor Lighting Receiver
1810875

Universal RTS Receiver
1810627

Eolis RTS Wind
Sensor 24V
9012499

Soliris RTS Sun and
Wind Sensor 24V
9012500
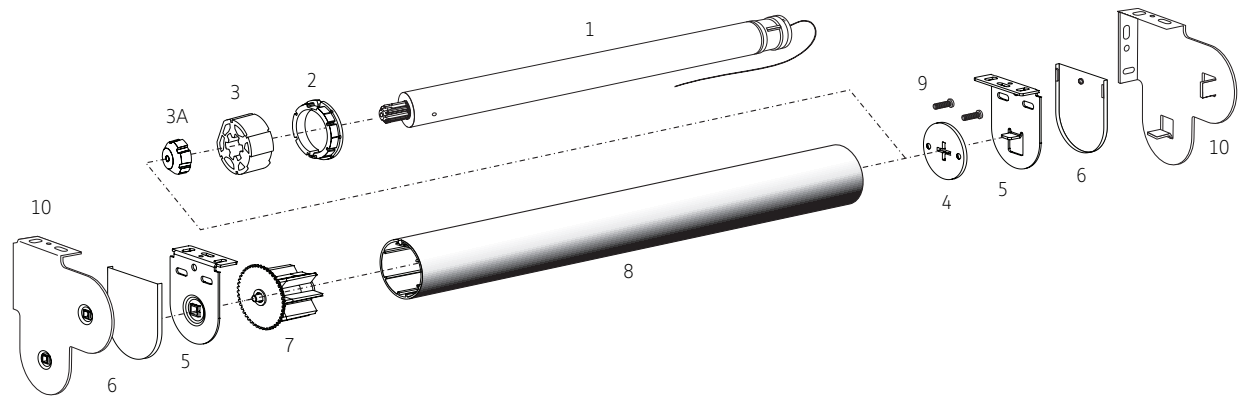
Please visit www.somfysystems.com/controls for additional control info.

40mm Hardware Systems

Acmeda®

Standard Bracket Components

Dimensions and Light Gap Specifications

Standard Brackets Light Gap*
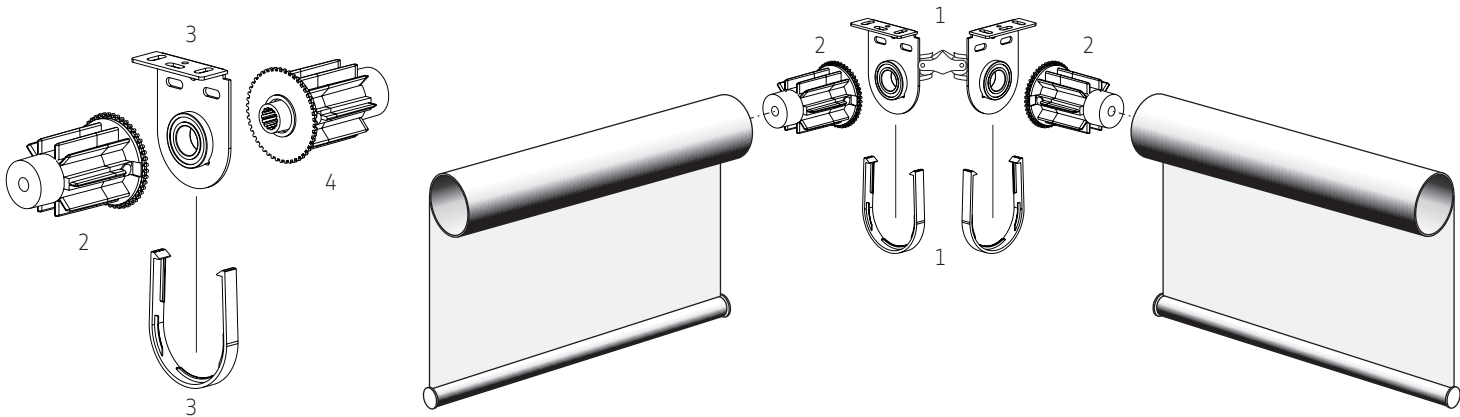
Idler Side   Motor Side

.53 in.
(13.5 mm)

.65 in.
(16.5 mm)**

*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.
Includes motor bracket adaptor plate #9013789
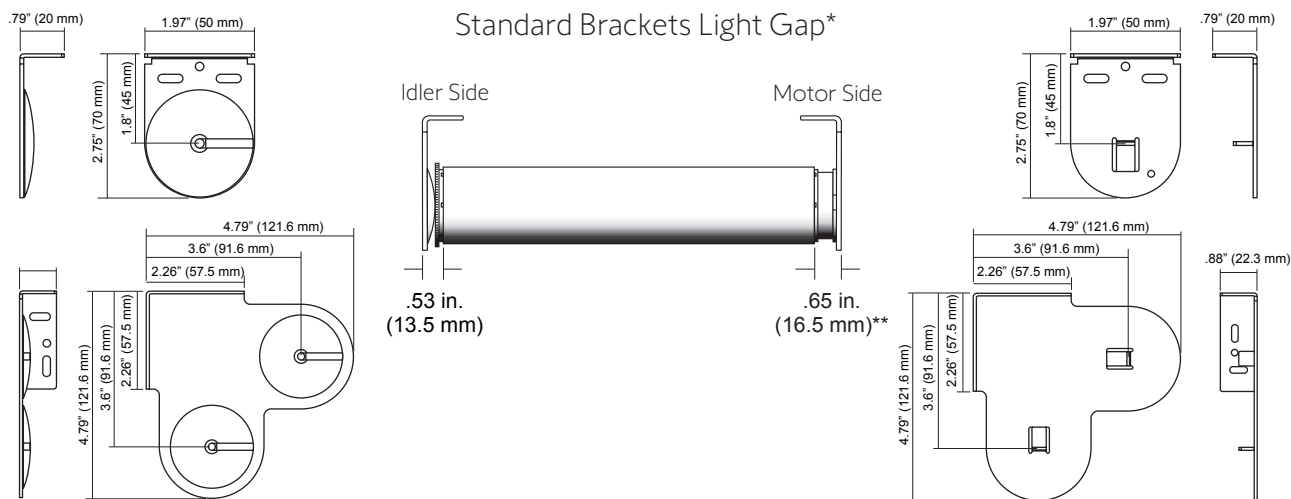
Product Chart

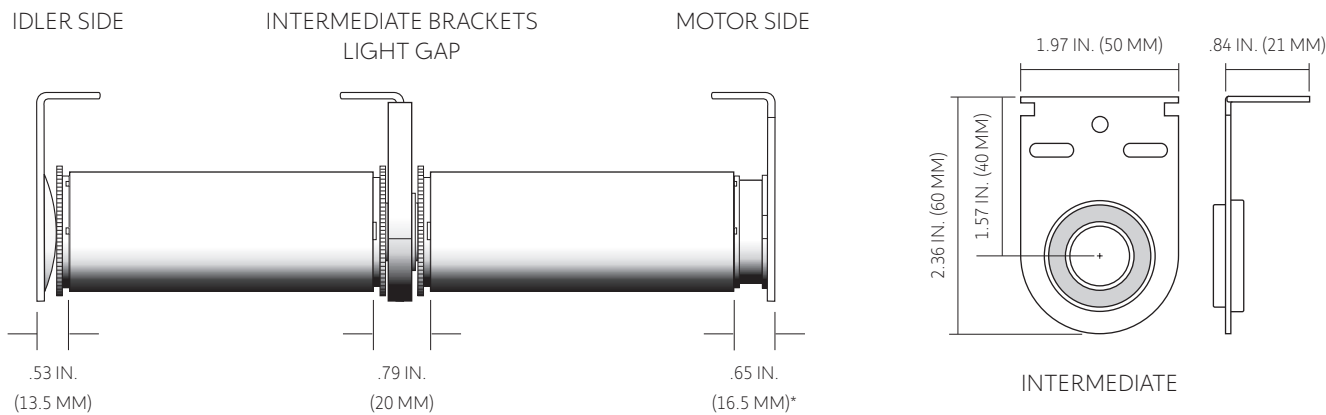| Image	Description	Catalog Number
1	SONESSE® 40 MOTOR SHOWN	Refer to spec sheet by technology
2	CROWN ADAPTOR 44MM TUBE (ACMEDA® TYPE)	9013791
3	DRIVE WHEEL 44MM (ACMEDA® TYPE)	9013790
3A	400 SERIES DRIVE STOP WITH SCREW	9147894
4	MOTOR BRACKET ADAPTOR PLATE (ACMEDA® TYPE)	9013789
5	MOTOR & IDLER BRACKET KIT 40P (ACMEDA® TYPE)	9013778
6	PLASTIC BRACKET COVER 40P KIT (ACMEDA® TYPE)	9013780
7	IDLER END PLUG 44MM TUBE (ACMEDA® TYPE)	9013774
8	44 M ALUMINUM TUBE (16 FT. MAX LENGTH)	1780688
9	M3.5 X 9MM SCREWS	9014066
10	MOTOR BRACKET COMBO SET 122MM X 122MM	Contact Acmeda

40mm Hardware Systems

Acmeda®

Standard Bracket Components

Dimensions and Light Gap Specifications

IDLER SIDE   INTERMEDIATE BRACKETS LIGHT GAP   MOTOR SIDE

1.97 IN. (50 MM)   .84 IN. (21 MM)

2.36 IN. (60 MM)

1.57 IN. (40 MM)

.53 IN. (13.5 MM)

.79 IN. (20 MM)

.65 IN. (16.5 MM)*

INTERMEDIATE

* INCLUDES MOTOR BRACKET ADAPTOR PLATE
#9013789

Product Chart

Image	Description	Catalog Number
1	INTERMEDIATE BRACKET & COVER KIT 40P, 0–90 DEGREES (ACMEDA® TYPE)	Contact Acmeda
2	INTERMEDIATE MALE IDLER END PLUG (ACMEDA® TYPE)	Contact Acmeda
3	INTERMEDIATE BRACKET & COVER KIT 40P (ACMEDA® TYPE)	Contact Acmeda
4	INTERMEDIATE FEMALE IDLER END PLUG (ACMEDA® TYPE)	Contact Acmeda

40mm Hardware Systems
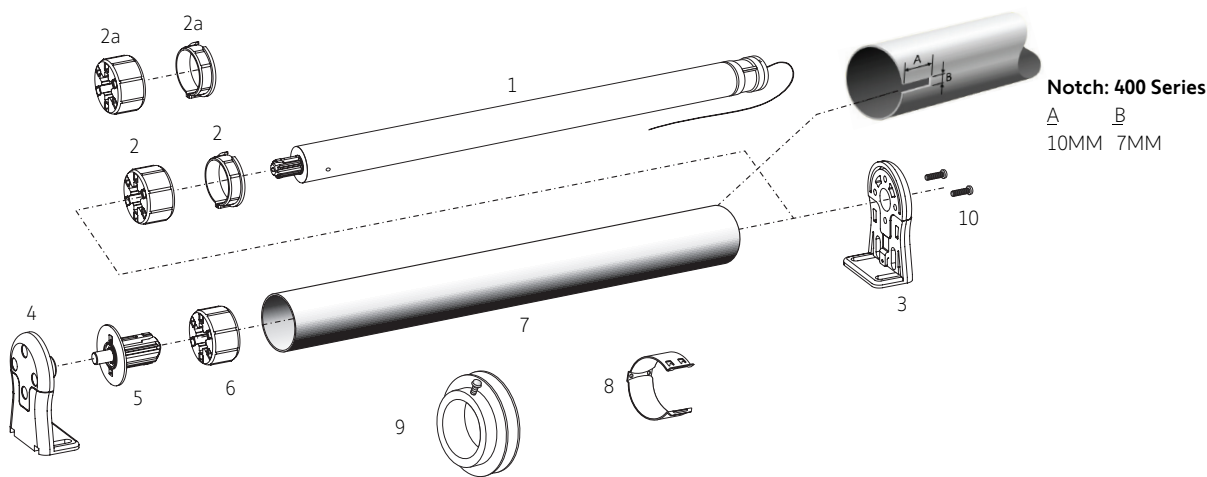
Somfy Decorator Type

Standard Bracket Components

Notch: 400 Series

A	B
10MM	7MM

Dimensions and Light Gap Specifications

IDLER SIDE

STANDARD BRACKETS
LIGHT GAP*

MOTOR SIDE

1.97 IN. (50 MM)   1.2 IN. (30 MM)

2.94 IN. (75 MM)

1.78 IN. (45 MM)

.82 IN.
(21 MM)

.87 IN.
(22 MM)

MOTOR IDLER
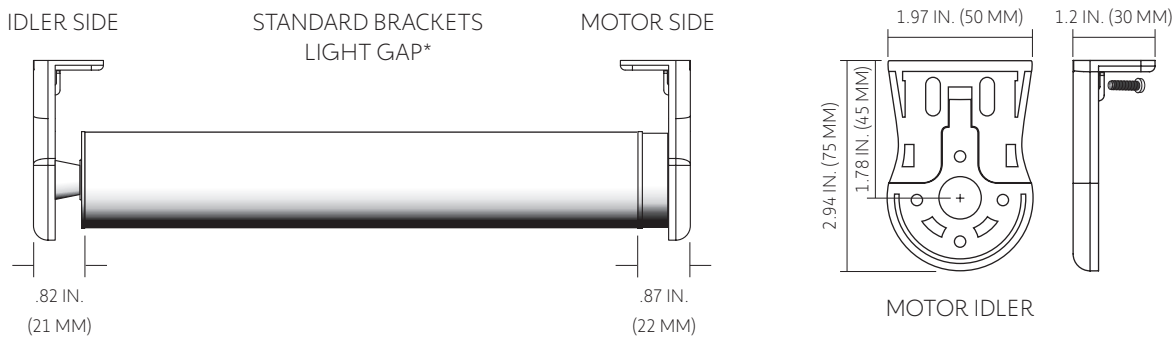
*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.
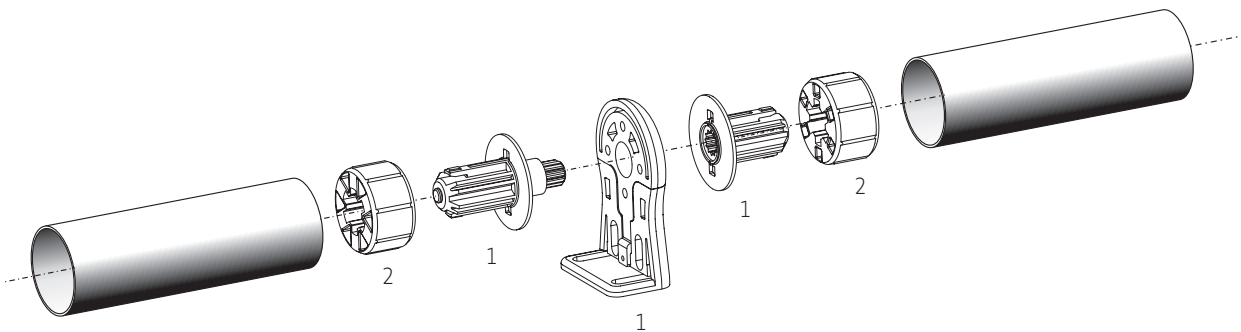
Product Chart

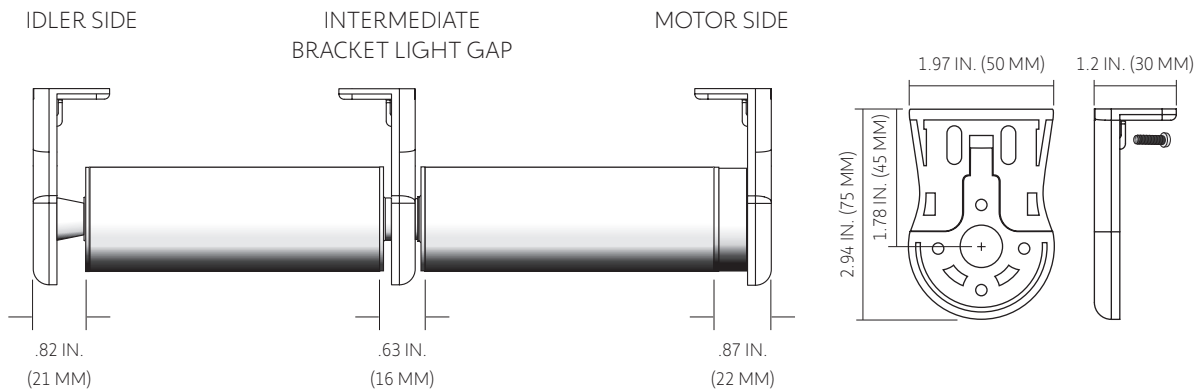| Image	Description	Catalog Number
1	SONESSE® 40 MOTOR SHOWN	Refer to spec sheet by technology
2	CROWN AND DRIVE (SOMFY 40MM X 1.5MM ROUND TUBE)	9012224
2A	CROWN AND RUBBERIZED DRIVE (SOMFY 40MM X 1.5MM ROUND TUBE)	9016654
3	MOTOR BRACKET (DECORATOR TYPE)	9500683
4	IDLER END BRACKET (DECORATOR TYPE)	9500685
5	IDLER END PLUG (8MM DIA. PIN-DECORATOR TYPE)	9500688
6	40MM ROUND DRIVE ONLY (FOR USE WITH IDLER END PLUG)	9147544
7	SOMFY 40MM ROUND TUBE (20 FT. MAX LENGTH)	1781153
8	40MM FABRIC/CORD CLIP FOR ROMAN SHADE APPLICATIONS	9012200
9	CORD TAKE-UP REEL (40MM TUBE)	1781152
10	M3.5 X 9MM SCREWS	9014066

40mm Hardware Systems
Somfy Decorator Type

Standard Bracket Components

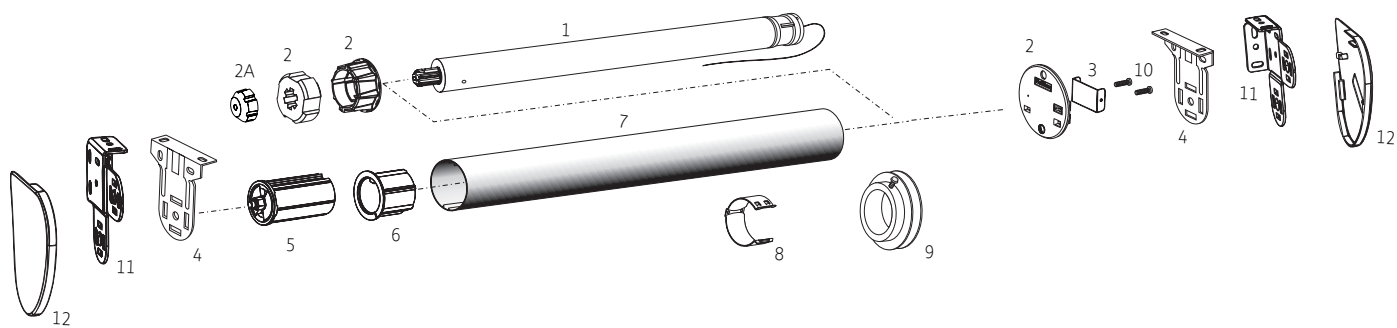
Dimensions and Light Gap Specifications

IDLER SIDE

INTERMEDIATE
BRACKET LIGHT GAP

MOTOR SIDE

.82 IN.
(21 MM)

.63 IN.
(16 MM)

.87 IN.
(22 MM)

1.97 IN. (50 MM)

1.2 IN. (30 MM)

2.94 IN. (75 MM)

1.78 IN. (45 MM)

Product Chart

Image	Description	Catalog Number
1	INTERMEDIATE BRACKET KIT (DECORATOR TYPE)	9500687
2	40MM ROUND DRIVE ONLY (FOR USE WITH INT. BRACKET)	9147544

40mm Hardware Systems

RollEase® Skyline

Standard Bracket Components
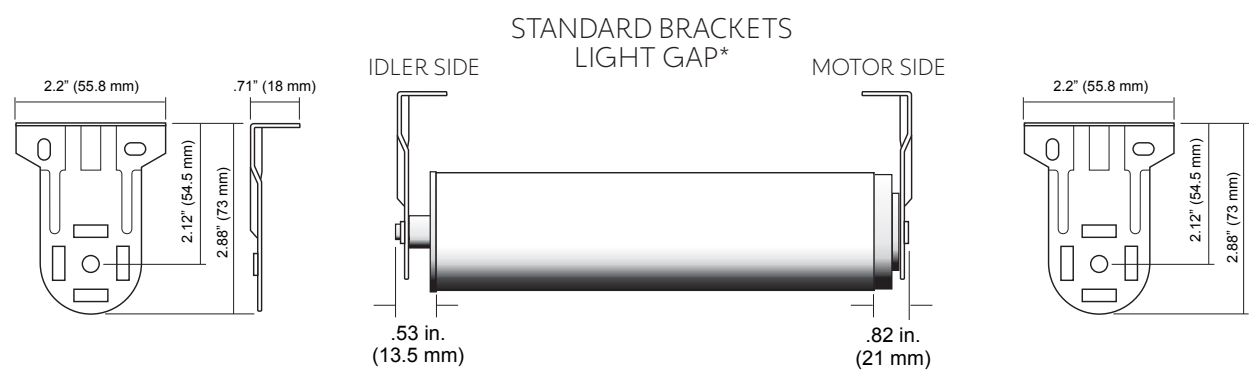
Dimensions and Light Gap Specifications

STANDARD BRACKETS
LIGHT GAP*

IDLER SIDE — MOTOR SIDE

2.2" (55.8 mm)   .71" (18 mm)
2.12" (54.5 mm)
2.88" (73 mm)

.53 in.
(13.5 mm)

.82 in.
(21 mm)

2.2" (55.8 mm)
2.12" (54.5 mm)
2.88" (73 mm)

*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.

Product Chart

Image	Description	Catalog Number
1	SONESSE® 40 SHOWN	Refer to spec sheet by technology
2	CROWN AND DRIVE WITH SKYLINE MOTOR MOUNT PLATE	9016352
2A	400 SERIES DRIVE STOP WITH SCREW	9147894
3	SILENT MOTOR MOUNT CLIP FOR SKYLINE BRACKET	9017255
4	ROLLEASE® SKYLINE SERIES BRACKETS 2"	9016325
5	ROLLEASE® SKYLINE SERIES IDLER END PLUG	5059165
6	IDLER ADAPTOR COLLAR 2" PROFILE TUBE	9016366
7	2" PROFILED TUBE	1781798
8	CORD CLIPS FOR ROMAN SHADE APPLICATIONS 2" TUBE	9138028
9	TAKE-UP REEL - ROLLEASE 2" TUBE	1781151
10	M3.5 X 9MM SCREWS	9014066
11	ROLLEASE® DOUBLE BRACKET	Contact Rollease
12	ROLLEASE® DOUBLE BRACKET COVERS	Contact Rollease

40mm Hardware Systems

Somfy CTS 40
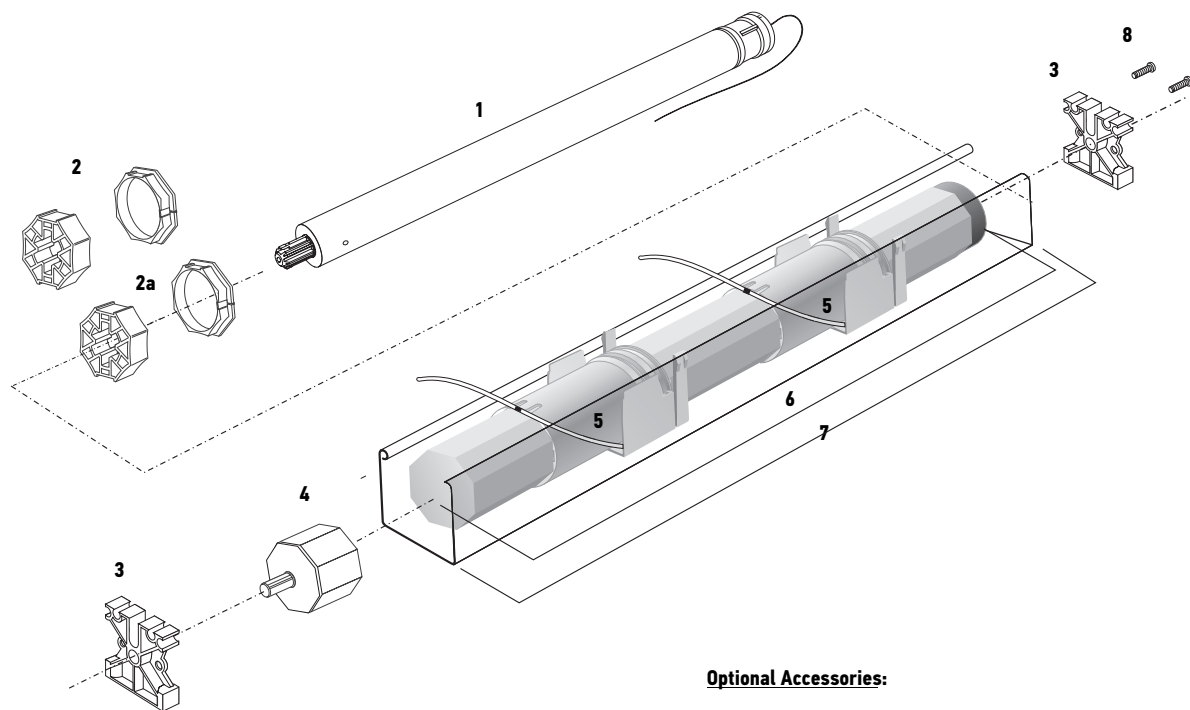
Optional Accessories:

1781134 – 2" Slat Clips for Wood Blinds (White)
1781135 – 2" Slat Clips for Wood Blinds (Ivory)

1781133 – Ladder Crimp

Product Chart

Image	Description	Catalog Number
1	SONESSE® 40 MOTOR SHOWN	Refer to spec sheet by technology
2	CROWN AND DRIVE KIT (40MM OCTAGONAL TUBE)	9012225
2A	CROWN AND RUBBERIZED DRIVE KIT (40MM OCTAGONAL TUBE)	9016655
3	MOTOR / IDLER BRACKET (FOR 57MM X 51MM HEADRAIL)	9500736
4	IDLER END PLUG FOR 40MM OCTAGONAL TUBE	9012274
5	CTS 40 (FOR 57MM X 41MM HEADRAIL)	1781118
6	SOMFY 40MM OCTAGONAL TUBE (20 FT. MAX LENGTH)	1781154
7	57MM X 51MM (2" X 2 1/4") GUTTER RAIL OR SIMILAR	Contact Manufacturer
8	M3.5 X 9MM SCREWS	9014066

Bracket, Fascia, and Cassette Solutions
RollEase®

3" Round Fascia

3" Square Fascia

4" Square Fascia

4" Round Fascia
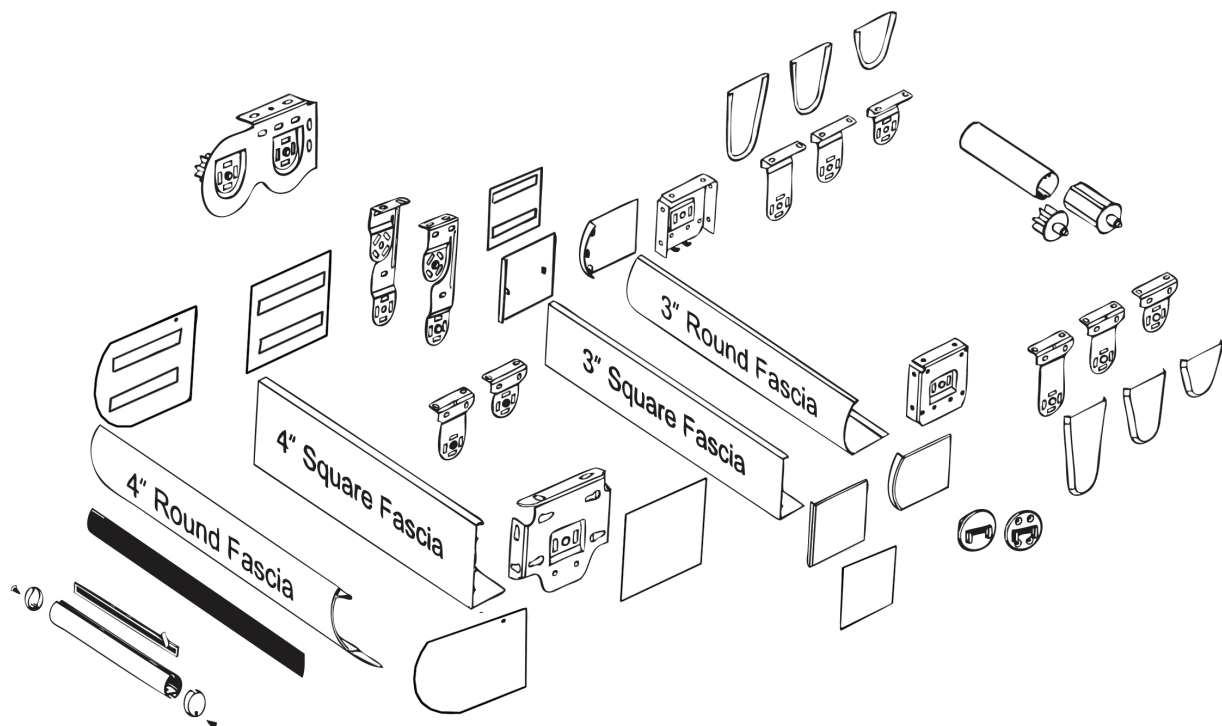
Please Note: for maximum torque limitations please refer to manufacturer's specifications

Bracket, Fascia, and Cassette Solutions
ZMC®

Intermediate Bracket Solutions
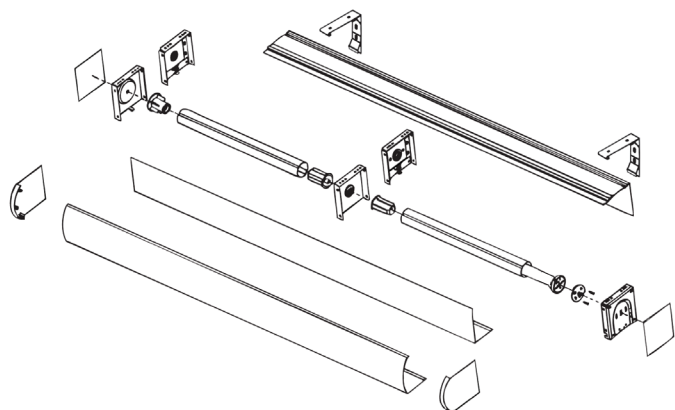
Duo Shade Fascia Components
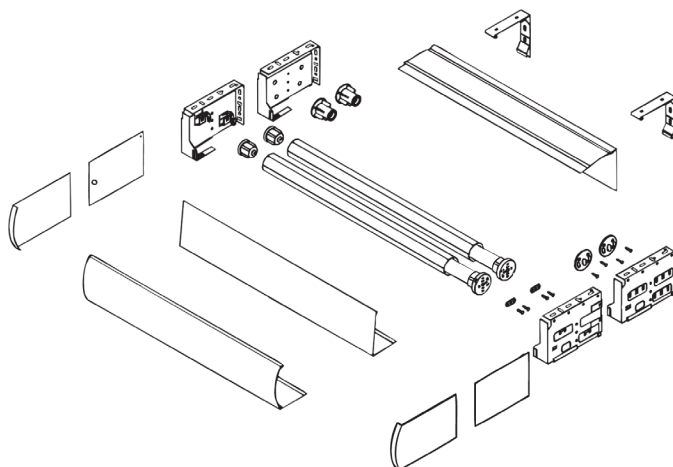
40mm Mechanical Accessories

Brackets & Kits

400 Series to 500 Series Adaptor Kit

- Allows the use of 500 Series crowns and drives with 400 Series motors
- Black composite
- Maximum motor torque - 13 Nm
Part #9013763

400 Series "LO" Bracket w/ a Square Stud

- Motor mounting screws included
- 10mm square stud
- Zinc plated steel
- Maximum motor torque 13 Nm
Part # 9147334

400 Series Drive Stop w/ Screw

- Prevents drive disengagement from 400 series motor shaft
- 1 screw included
Part #9147894

400 Series Motor Bracket

- Compatible with RollEase Bracket
- Stainless steel
- Maximum motor torque - 4 Nm
Part #9012258*
*to be used with M3.5x8MM screw

400 Series to 500 Series Mounting Conversion Bracket

- Composite
- Allows 400 Series motors to be used w/ 500 Series Star Head motor brackets
- Maximum motor torque - 9 Nm
- 2 screws included
White: #9027508 (works with new interior head motors with recessed plates)
Black: #9500659 (works with legacy motors old head)

Sonesse® Motor Plates & Head Covers

Item #	Description	Photo	Compatible with
9025996	RollEase 360 R3-R8 10mm x 1.8mm Pin Diameter 6.8mm and Screws		AC Zigbee PoE AC RS485
9026001	Rollease 360 R3-R8 10mm x 1.8mm Pin Diameter 7mm and Screws		AC Zigbee PoE AC RS485
9025999	Acmeda 12mm and Screws		AC Zigbee PoE AC RS485
9026003	RollEase SkyLine and Screws		AC Zigbee PoE AC RS485
9026093	M3 x 6mm Philips Flat-Head Plastite (Screw)		AC Zigbee PoE AC RS485
9025997	Rollease 580 R16-24 15.9mm x 1.8mm & Screws		AC Zigbee PoE AC RS485
9026000	Rollease RBGAL 16x3.2mm & Screws		AC Zigbee PoE AC RS485
9027132 9027133 9027134	Motor Head Cover, White (Supplied with Motor) Motor Head Cover, Grey Motor Head Cover, Black		PoE
9026090 9026091 9026092	Motor Head Cover, White (Supplied with Motor) Motor Head Cover, Grey Motor Head Cover, Black		RS485

40mm Mechanical Accessories
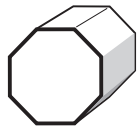
ø 1.5 in. / 40mm Octagonal

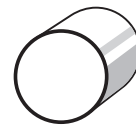ø 1.5 in. / 40mm Round

400 Series Crown
for 40 x 0.8mm Octagonal Tube
Part #9147327

400 Series Drive
for 40 x 0.8mm Octagonal Tube
Part #9147545

400 Series 40mm Octagonal Set
Part #9012225

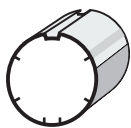400 Series Crown
for 40 x 1.5mm Round Tube
Part #9147330

400 Series Drive
for 40 x 1.5mm Round Tube
Part #9147544

400 Series 40mm Round Set
Part #9012224

NEW 400 Series Crown and Rubberized
Drive for 40mm Octagonal Tube
Part #9016655*

NEW 400 Series Crown and Rubberized
Drive for 40mm x 1.5mm Round Tube
Part #9016654*

400 Series to 500 Series Adaptor Kit	400 Series "LO" Bracket w/ a Square Stud	400 Series Drive Stop w/ Screw

ø 44mm Acmeda

Rollease/ZMC 2" Profiled Tube

ø 50mm Hunter Douglas

Crown Adaptor 44mm
Tube (Acmeda Type)
Part #9013791

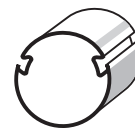Soft Drive Wheel 44mm
(Acmeda Type)
Part #9013790
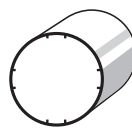
Crown & Drive for Rollease/ZMC
2" Profiled Tube
Part #9016352*

400 Series Crown and Drive for
HD 4" Silhouette* (Quartette™)
Part #9016953*

*Due to material composition it is recommended to apply a silicon-based lubricant to drive adaptor surface prior to motorized roller tube assembly.
 400 Series drive stop with screw (part #9147894) should also be used to prevent drive disengagement during installation or removal.

somfy®

Make the move

About Somfy®

For over 50 years, Somfy has been pioneering innovative motorization and automated solutions for window coverings and exterior shading products. With comfort, ease of use, security, and sustainability in mind, our seamless and connected solutions are designed to help people make the move to living spaces impactful for humans and with a reduced impact on nature.

A BRAND OF **SOMFY** GROUP

Somfy Systems, Inc.
T: (800) 22-SOMFY
www.somfypro.com

Somfy ULC
T: (800) 66-SOMFY
www.somfypro.ca

New Jersey
121 Herrod Blvd.
Dayton, NJ 08810
T: (609) 395-1300
F: (609) 395-1776

Florida
1200 SW 35th Ave.
Boynton Beach, FL 33426
T: (561) 995-0335
F: (561) 995-7502

California
15301 Barranca Pkwy.
Irvine, CA 92618-2201
T: (949) 727-3510
F: (949) 727-3775

Canada
6411 Edwards Blvd.
Mississauga, ON L5T 2P7
T: (905) 564-6446
F: (905) 238-1491