Sonesse® 30 Databook

Sonesse® 30 RTS

Somfy Systems, Inc., is a global leader in the manufacturing of strong, intelligent and quiet motors for both interior and exterior window coverings. For more than four decades, engineers at Somfy have been designing products for both the residential and commercial markets to motorize window coverings such as interior shades, wood blinds, draperies, awnings, rolling shutters, exterior solar screens, projection screens and more. Somfy motorization systems are easily integrated with security, HVAC, and lighting systems, providing total home or building automation. Somfy recently celebrated the production and sales, throughout the world, of 100 million motors since 1969. This accomplishment further reinforces that Somfy is the worldwide leader in the manufacturing of interior and exterior window covering motors.

WHY SOMFY?

Somfy has a committed Customer Support team comprised of Somfy motor and control specialists available for assistance:

Somfy Corporate Headquarters
800–22–SOMFY (76639)

General Customer Service
877–210–5327
CustomerService_us@somfy.com

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

- Somfy has a production capacity of more than 70,000 motors per day.
- Somfy motors have over 600 standards approvals worldwide.
- Somfy has certified over 100 patents since the year 2000.
- Every Somfy motor goes through an extensive quality assurance process including testing in extreme environmental conditions, for electrostatic discharge, mechanical shock, and high life cycle.
- Somfy has a network of 15,000 trained professional installers throughout the world.

Somfy operates in 60 countries, with 76 subsidiaries, and 51 agencies spread across 5 continents. With 7 production centers, Somfy is an efficient and reactive industry leader. Thanks to its strict quality standards, Somfy is able to satisfy the needs of over 270 million users worldwide.

Somfy understands that training and support are critical to success. Somfy's Expert 2.0 Program has been developed to provide a platform for those who want to enhance their expertise of motorization and control solutions. Contact Somfy directly or visit www.somfypro.com to learn more and sign up for training.

EXPERT
somfy.

5 year Warranty
somfy.

TABLE OF CONTENTS

Conveniently Quiet

This document presents the accessories and specifications related to the Somfy Sonesse® 30 range. It provides the technical information needed to order, fabricate, and sell the award-winning quiet motors. For additional information regarding any of the products in this document including motors, power sources, controls, interfaces etc., please reference **www.somfypro.com**, where detailed instructions are available for download.

The award winning Sonesse® 30 range is putting window coverings in motion with quiet precision. The motors are engineered with superior noise reduction technology and are barely heard from a distance of 3 feet.

The compact, low-profile Sonesse®30 motors are designed for tubes as small as 1.5" in diameter and are easily concealed within headrails, cassette systems or smaller pocket sizes. The motors feature speed regulation for precise alignment of adjacent shades and are low-voltage which simplifies installation. The Sonesse® 30 motors are available with a variety of control options and easily integrate with home automation systems. They also feature the ability to adjust to precise intermediate positions for increased control flexibility.

Radio Technology Somfy® (RTS) allows wireless radio control of motorized window coverings via the RTS family of controls.

A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network solutions and animeo® IP total solar management system.

Offers control via contact closure switching (dry contact).

Sonesse® 30 motors are designed to automate a broad range of window covering applications which include:

Solar/Roller Shades	Sheer Horizontal Shades	Roman/Woven Shades	Pleated/Cellular Shades	Horizontal Blinds

As with all Somfy® products, the Sonesse® 30 motors are backed by a 5 year warranty.

WCMA Award Winner, for Most Innovative Overall Design.

Sonesse® 30 RTS

Sonesse® 30 RTS
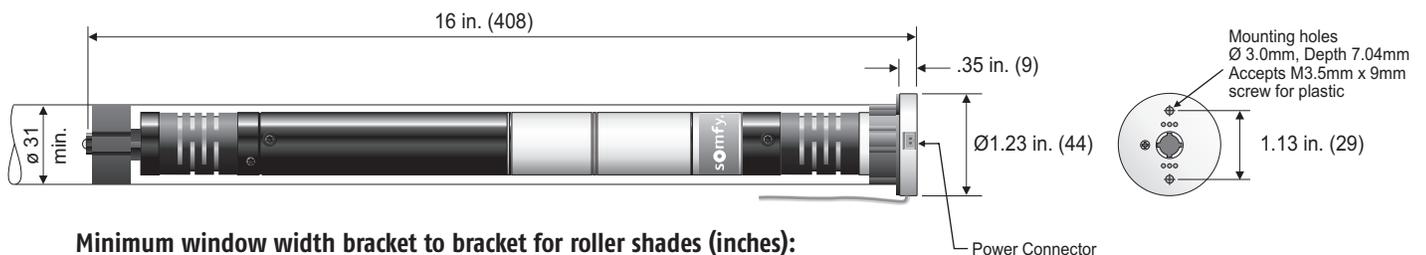Part #1001524

R T S
Radio Technology Somfy®

Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical features

Voltage Supply	DC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating	IP 30	**Insulation Class**	Class III
Limit Switch Type	Electronic	**Antenna**	Must not come in contact with metal. May need to be repositioned for optimal range
Limit Switch Capacity	35 Turns		

NOTE: Power cable is included with motor.

Dimensions – in. (mm)

16 in. (408)

.35 in. (9)

ø 31 min.

Ø1.23 in. (44)

Mounting holes
Ø 3.0mm, Depth 7.04mm
Accepts M3.5mm x 9mm
screw for plastic

1.13 in. (29)

Power Connector

Minimum window width bracket to bracket for roller shades (inches):

Acmeda 44mm tube and hardware	18 5/8"
RollEase® 1.5" tube w/ Skyline Hardware	19 5/8"
RollEase® 1.5" tube w/ R8 Hardware	18 1/2"

Performances

	SONESSE® 30 RTS
Voltage*	24VDC
Motor Power Connection	2pin JST, 2mm pitch
Nominal load starting current *	1.8A for max. 300ms
Nominal load current *	.8A
Maximum current during programming *	3.2A for 300ms.
Torque	17.7 in. lbs. (2Nm)
Speed	6–28 rpm (programmable)
Thermal protection	2.5 minutes
Minimum inside diameter of tube	1.22 in. (31mm)
****Sound level**	≤ 44 dBA
RF control range (may vary)	65 ft.

* Regulated power supply required

**Sound Level:

Sound level measured at 3 feet from end product at maximum torque.

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.
- Interior Tube Diameter (ID) > 31mm must be respected.
- A motor crown adapter 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.

Included Cable

24V DC POWER CABLE
2 Conductor
7.5' Length

stripe = positive

white = negative

Sonesse® 30 RS485

Sonesse® 30 RS485
Part #1000658

5 year Warranty somfy.

Somfy Digital Network
RS485

Somfy Digital Network (SDN), is Somfy's proprietary digital communication backbone compatible with industry standard RS485

Technical features

Voltage Supply	DC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating	IP 30	**Insulation Class**	Class III
Limit Switch Type	Digital		
Limit Switch Capacity	35 Turns		

NOTE: Power/Control motor cables are included with motor. Does not include Limit Setting Tool # 9014599 or Dry Contact Closure (DCT) Cable # 9014793 required for setting limits.

Dimensions – in. (mm)

16 in. (408)
.35 in. (9)
Ø 31 min.
Ø1.23 in. (44)
DCT Connector
Power Connector
RS485 Connector

Mounting holes
Ø 3.0mm, Depth 7.04mm
Accepts M3.5mm x 9mm
screw for plastic
1.13 in. (29)

Minimum window width bracket to bracket for roller shades (inches):

Acmeda 44mm tube and hardware	18 5/8″
RollEase® 1.5″ tube w/ Skyline Hardware	19 5/8″
RollEase® 1.5″ tube w/ R8 Hardware	18 1/2″

Performances

	SONESSE® 30 RS485
Voltage*	24VDC
Motor power connector	2 pin JST, 2mm pitch
Motor RS485 connector	3 pin JST, 2mm pitch
Motor DCT connector	4 pin JST, 2mm pitch
Nominal load starting current *	1.8A for max. 300ms
Nominal load current *	.8A
Maximum current during programming *	3.2A for 300ms.
Torque	17.7 in. lbs. (2Nm)
Speed	6–28 rpm (programmable)
Thermal protection	2.5 minutes
Minimum inside diameter of tube	1.22 in. (31mm)
****Sound level**	44 dBA

*Regulated power supply required

****Sound Level:**

Sound level measured at 3 feet from end product at maximum torque.

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.
- Interior Tube Diameter (ID) > 31mm must be respected.
- A motor crown adapter 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.
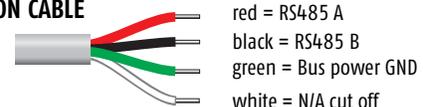
Included Cables

24V DC POWER CABLE
2 Conductor
7.5′ Length

stripe = positive
white = negative

RS485 COMMUNICATION CABLE
3 Conductor
7.5′ Length

red = RS485 A
black = RS485 B
green = Bus power GND
white = N/A cut off

Sonesse® 30 DCT

DRY CONTACT

Offers control via contact closure switching (dry contact)

Sonesse® 30 DCT

Part #1000668

Warranty 5 year somfy.

Technical features

Voltage Supply	DC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating	IP 30	**Insulation Class**	Class III
Limit Switch Type	Dry Contact		
Limit Switch Capacity	35 Turns		

NOTE: Power/Control motor cables are included with motor. Does not include Limit Setting Tool # 9014599 required for setting limits.
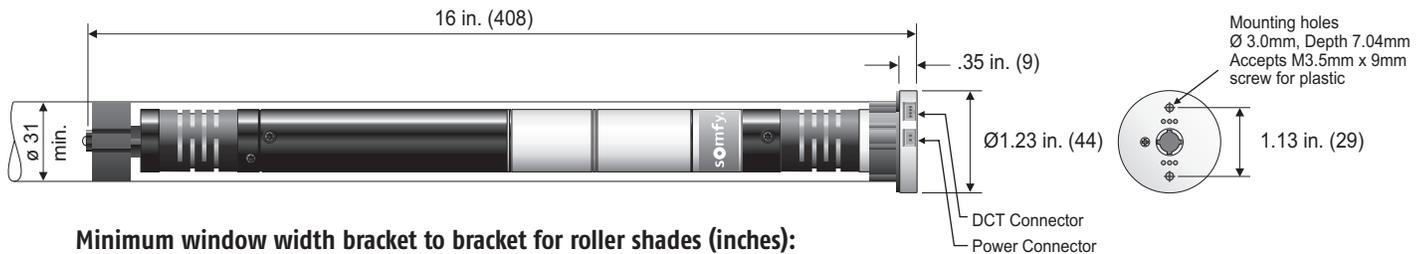
Dimensions – in. (mm)

16 in. (408)

Ø 31 min.

.35 in. (9)

Ø1.23 in. (44)

DCT Connector
Power Connector

Mounting holes Ø 3.0mm, Depth 7.04mm Accepts M3.5mm x 9mm screw for plastic

1.13 in. (29)

Minimum window width bracket to bracket for roller shades (inches):

Acmeda 44mm tube and hardware	18 5/8″
RollEase® 1.5″ tube w/ Skyline Hardware	19 5/8″
RollEase® 1.5″ tube w/ R8 Hardware	18 1/2″

Performances

	SONESSE® 30 DCT
Voltage*	24VDC
Motor power connector	2 pin JST, 2mm pitch
Motor DCT connector	4 pin JST, 2mm pitch
Nominal load starting current *	1.8A for max. 300ms
Nominal load current *	.8A
Maximum current during programming *	3.2A for 300ms.
Torque	17.7 in. lbs. (2Nm)
Speed	6–28 rpm (programmable)
Thermal protection	2.5 minutes
Minimum inside diameter of tube	1.22 in. (31mm)
****Sound level**	<44 dBA

* Regulated power supply required

**Sound Level:

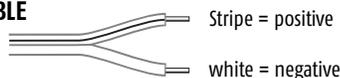Sound level measured at 3 feet from end product at maximum torque.

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.
- Interior Tube Diameter (ID) > 31mm must be respected.
- A motor crown adapter 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.
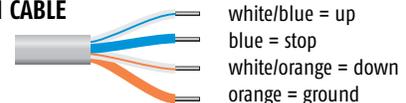
Included Cables

24V DC POWER CABLE
2 Conductor
7.5′ Length

Stripe = positive

white = negative

DCT COMMUNICATION CABLE
4 Conductor
7.5′ Length

white/blue = up
blue = stop
white/orange = down
orange = ground

RADIO TECHNOLOGY SOMFY® (RTS)

RTS — Radio Technology Somfy®

TELIS RTS HAND-HELD REMOTE COLLECTION

Telis 1 RTS Pure
Single Channel
Remote
1810632

Telis 4 RTS Pure
Five Channel
Remote
1810633

Telis 1 RTS Silver
Single Channel
Remote
1810639

Telis 4 RTS Silver
Five Channel
Remote
1810641

Telis 1 RTS Lounge
Single Channel
Remote
1810650

Telis 4 RTS Lounge
Five Channel
Remote
1810652

Telis 1 RTS Patio
Single Channel
Remote
1810643

Telis 4 RTS Patio
Five Channel
Remote
1810645

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 Pure
WireFree™ Timer
1805237

Telis 1 Chronis Silver
WireFree™ Timer
1805238

DECOFLEX WIREFREE™ RTS 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, ivory, and almond finishes.
- Shown assembled with printed channel buttons.
- Custom engraved buttons are also available.

BLACK

IVORY

ALMOND (1 & 5 channel only)

TABLE TOP ACCESSORIES

INDOOR RTS SENSORS

RTS REPEATER

DecoFlex WireFree™ RTS
Table Top Accessory Black
1811051*

DecoFlex WireFree™ RTS
Table Top Accessory Silver
1810972*

DecoFlex WireFree™ RTS
Table Top Accessory White
1811185*

Sunis Indoor
WireFree™ RTS
9013707

Thermo Sunis Indoor
WireFree™ RTS
9013708

RTS Repeater
(extends RTS range)
1810791

*DecoFlex Switch sold separately from Table Top Accessory.

RTS MOTOR INTERFACES

RTS — Radio Technology Somfy®

ZRTSI	16 CHANNEL RTS INTERFACE	DRY CONTACT
Z-Wave® to RTS Interface 1811265	Universal RTS Interface 16-Channel (Converts IR, RS232, RS485 to RTS) 1810872	RTS Dry Contact Interface Single Channel 1810493

WIRED TECHNOLOGY

DRY CONTACT SWITCHES	LIMIT SETTING TOOL
Sonesse® 30 DCT White Wall Switch – 1800219 Ivory Wall Switch – 1800220	Required for setting limits for Sonesse® 30 DCT and Sonesse® 30 RS485 motors. 9014599

RS485   DECOFLEX DIGITAL KEYPAD

Somfy Digital Network — RS485

Stand-alone SDN		animeo® IP	
White: 6 Button 1811252 Black: 6 Button 1811311 Ivory: 6 Button 1811334 Almond: 6 Button 1811314	White: 8 Button 1811253 Black: 8 Button 1811312 Ivory: 8 Button 1811335 Almond: 8 Button 1811313	White: 6 Button 1811288 Black: 6 Button 1811328 Ivory: 6 Button 1811332 Almond: 6 Button 1811330	White: 8 Button 1811289 Black: 8 Button 1811329 Ivory: 8 Button 1811333 Almond: 8 Button 1811331

DIGITAL MOTOR INTERFACES

Somfy Digital Network — RS485

ZDMI	ZBDMI
Z-Wave® to Digital Motor Interface 1870171	ZigBee® to Digital Motor Interface 1870220

animeo® IP

Somfy Digital Network — RS485

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.

Visit **www.somfypro.com/animeo** to learn more

animeo® IP Building Controller
1822314

NOTE: For additional information regarding ZigBee® or Z-Wave® controls, contact Somfy Systems, Inc.

Plug-In

Plug-In Wall Type			
# of Motors	Dimensions	Nominal Load	Part #
1 Motor	3.5" x 2.3" x 1.3"	24V DC 1.25A	1822209

With 5 ft. cable – 18 AWG

Plug-In Floor Type			
# of Motors	Dimensions	Nominal Load	Part #
1 Motor	4" x 2.5" x 1.3"	24V DC 2.5A	1822116

With 6 ft. AC cable
With 6 ft. cable – 18 AWG

Plug-In Table/Shelf Type			
# of Motors	Dimensions	Nominal Load	Part #
2 Motors	2" x 7.1" x 8.5"	24V DC 5A	1822118
5 Motors	2.7" x 7.1" x 8.5"	24V DC 10A	1822119
7 Motors	2.7" x 7.1" x 8.5"	24V DC 15A	1822122
10 Motors	2.7" x 7.1" x 8.5"	24V DC 20A	1822123

Wired

Din Rail Mount			
# of Motors	Dimensions	Nominal Load	Part #
2 Motors	4.93" x 2.58" x 3.94"	24V DC 5A	9011994

Din Rail Mount			
# of Motors	Dimensions	Nominal Load	Part #
5 Motors	4.93" x 4.94" x 3.94"	24V DC 10A	9011995

Din Rail Mount			
# of Motors	Dimensions	Nominal Load	Part #
10 Motors	4.93" x 8.94" x 3.94"	24V DC 20A	9014245

Power/Control Distribution Panels

5 Motor Power/Control Distribution Panel
4 Conductor, #1870193

To Motor Power
To Motor RS485

Dimensions:
6″ x 3.25″ x 1.5″

Bus Line Power Indication

SDN IN

SDN OUT

24V DC IN (Motor Power)

Snaptrack (Included)

10 Motor Power/Control Distribution Panel
4 Conductor, #1870194

To Motor Power
To Motor RS485

Dimensions:
6″ x 3.25″ x 1.5″

Bus Line Power Indication

SDN IN

SDN OUT

24V DC IN (Motor Power)

Snaptrack (Included)

Optional Mounting Accessory

Din Rail Snaptrack
Connector
#9014430

Optional
Din Rail

Din Rail is available in 14″ lengths
#9011975

| Sonesse® 30 Power/Control Motor Cables (optional)	
Sonesse® 30 Dry Contact Closure (DCT) Cable (7.5′ length)	# 9014793
Sonesse® 30 RS485 Control Cable (7.5′ length)	# 9015842
Sonesse® 30 24V DC 2 Conductor Power Cable (7.5′ length)	# 9014794
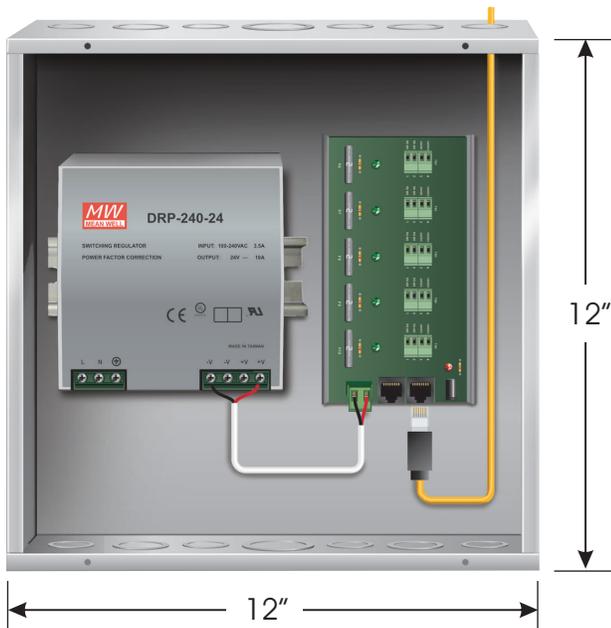
5 MOTOR - #1870196

Kit Includes:

1 - 5 Motor Power/Control
 Distribution Panel - #1870193

1 - 24V DC 10 Amp Power Supply
 #9011995
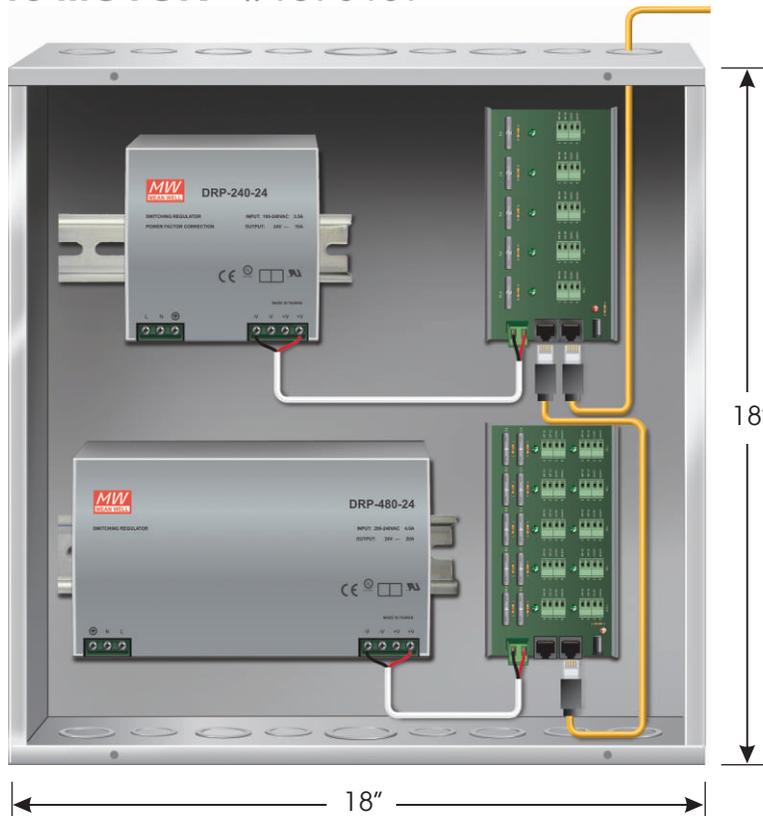
1 - 12″ x 12″ x 6.25″ Enclosure

10 MOTOR - #1870192
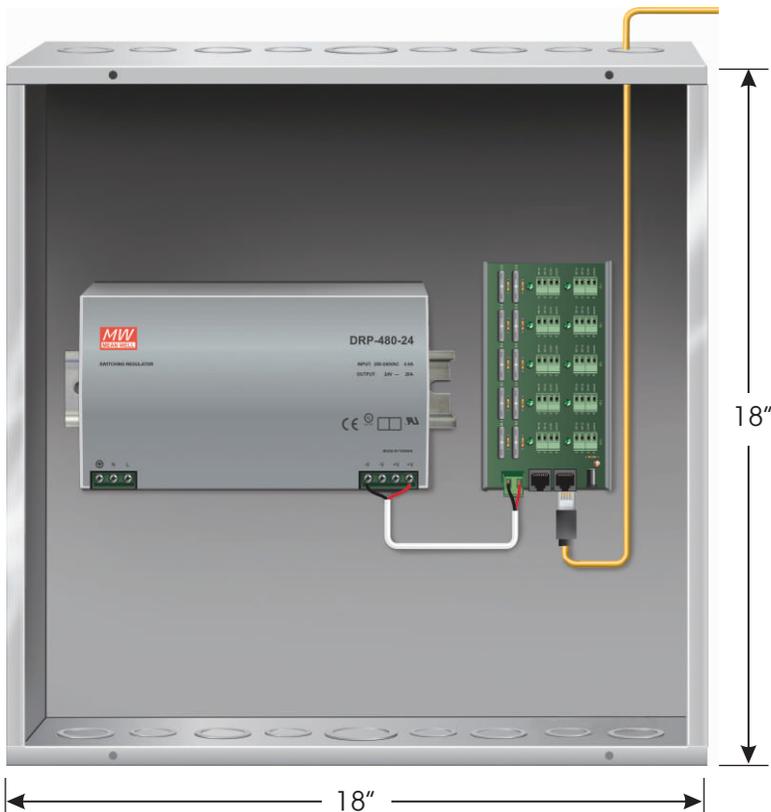
Kit Includes:

1 - 10 Motor Power/Control
 Distribution Panel - #1870194

1 - 24V DC 20 Amp Power Supply
 #9014245

1 - 18″ x 18″ x 6.25″ Enclosure

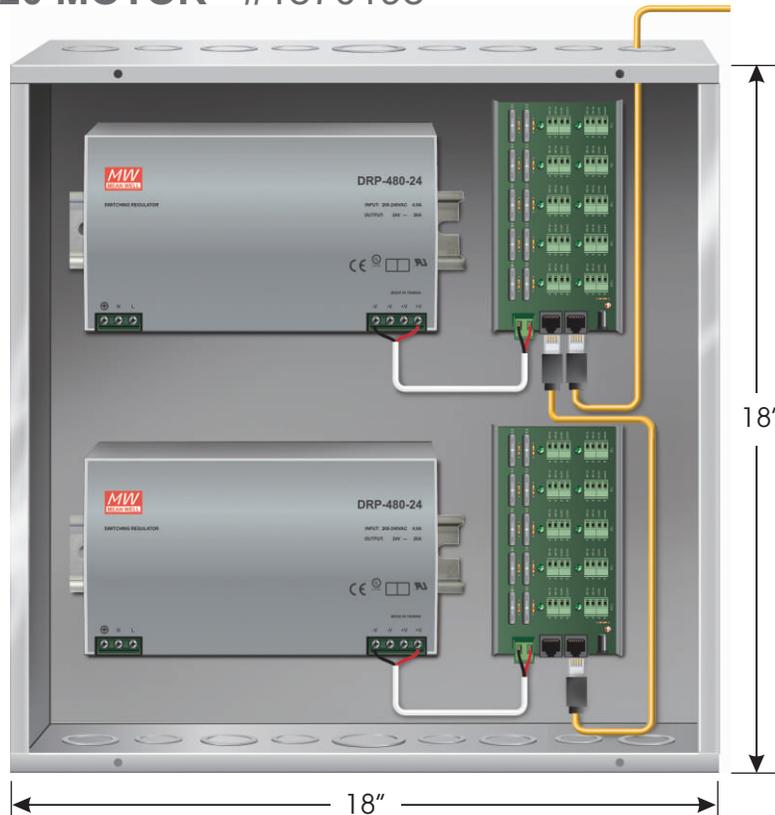**NOTE: For detailed connections please reference pp. 14 -15**

15 MOTOR - #1870197

18"

18"

Kit Includes:

1 - 5 Motor Power/Control
     Distribution Panel - #1870193

1 - 10 Motor Power/Control
     Distribution Panel - #1870194

1 - 24V DC 10 Amp Power Supply
     #9011995

1 - 24V DC 20 Amp Power Supply
     #9014245
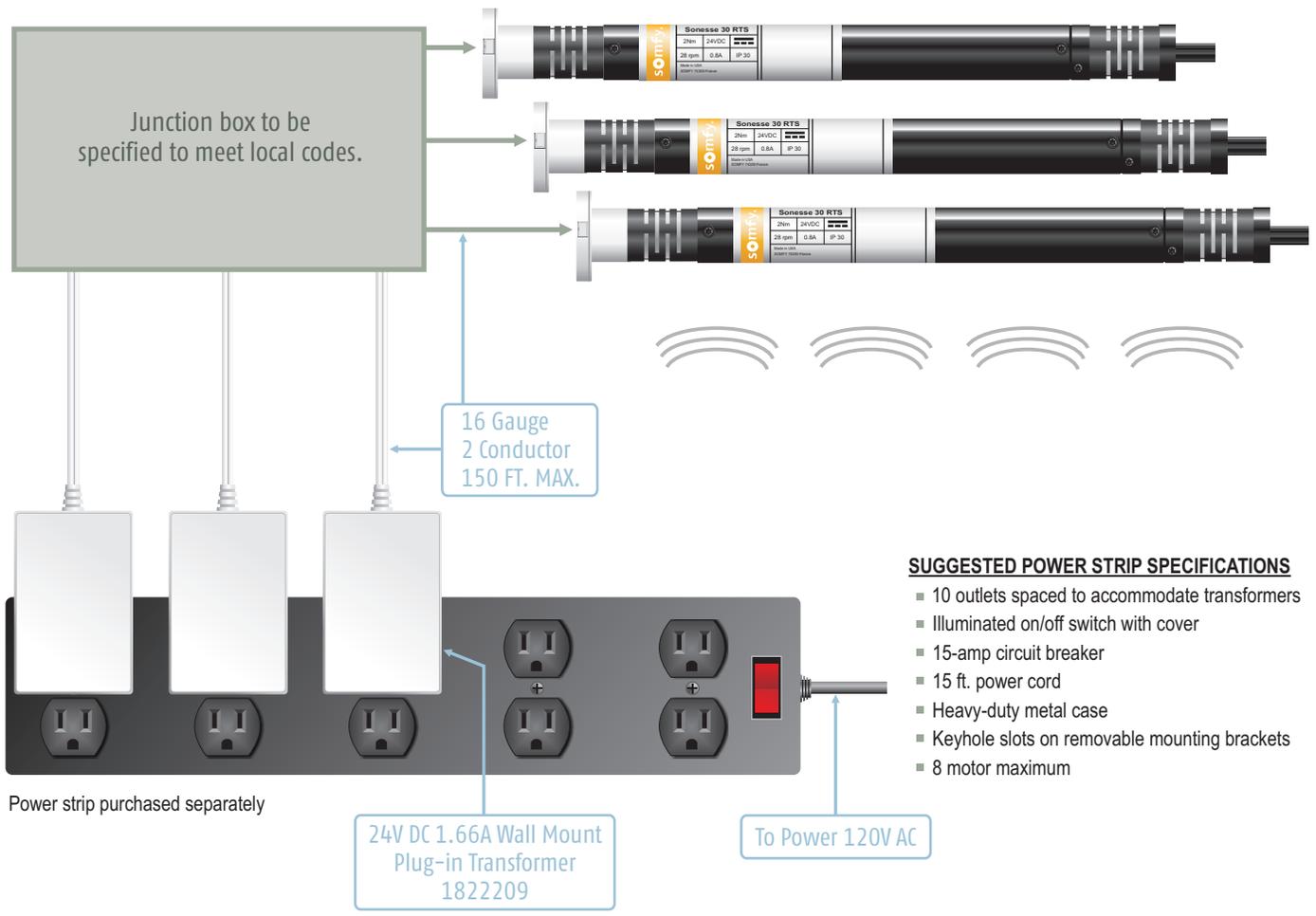
1 - 18" x 18" x 6.25" Enclosure

20 MOTOR - #1870198

18"

18"

Kit Includes:

2 - 10 Motor Power/Control
     Distribution Panel - #1870194

2 - 24V DC 20 Amp Power Supply
     #9014245

1 - 18" x 18" x 6.25" Enclosure

NOTE: For detailed connections please reference pp. 14 -15

RTS
Radio Technology Somfy®

APPLICATION EXAMPLE

Junction box to be specified to meet local codes.

Sonesse 30 RTS
2Nm | 24VDC
28 rpm | 0.8A | IP 30

Sonesse 30 RTS
2Nm | 24VDC
28 rpm | 0.8A | IP 30

Sonesse 30 RTS
2Nm | 24VDC
28 rpm | 0.8A | IP 30

16 Gauge
2 Conductor
150 FT. MAX.

Power strip purchased separately

SUGGESTED POWER STRIP SPECIFICATIONS
- 10 outlets spaced to accommodate transformers
- Illuminated on/off switch with cover
- 15-amp circuit breaker
- 15 ft. power cord
- Heavy-duty metal case
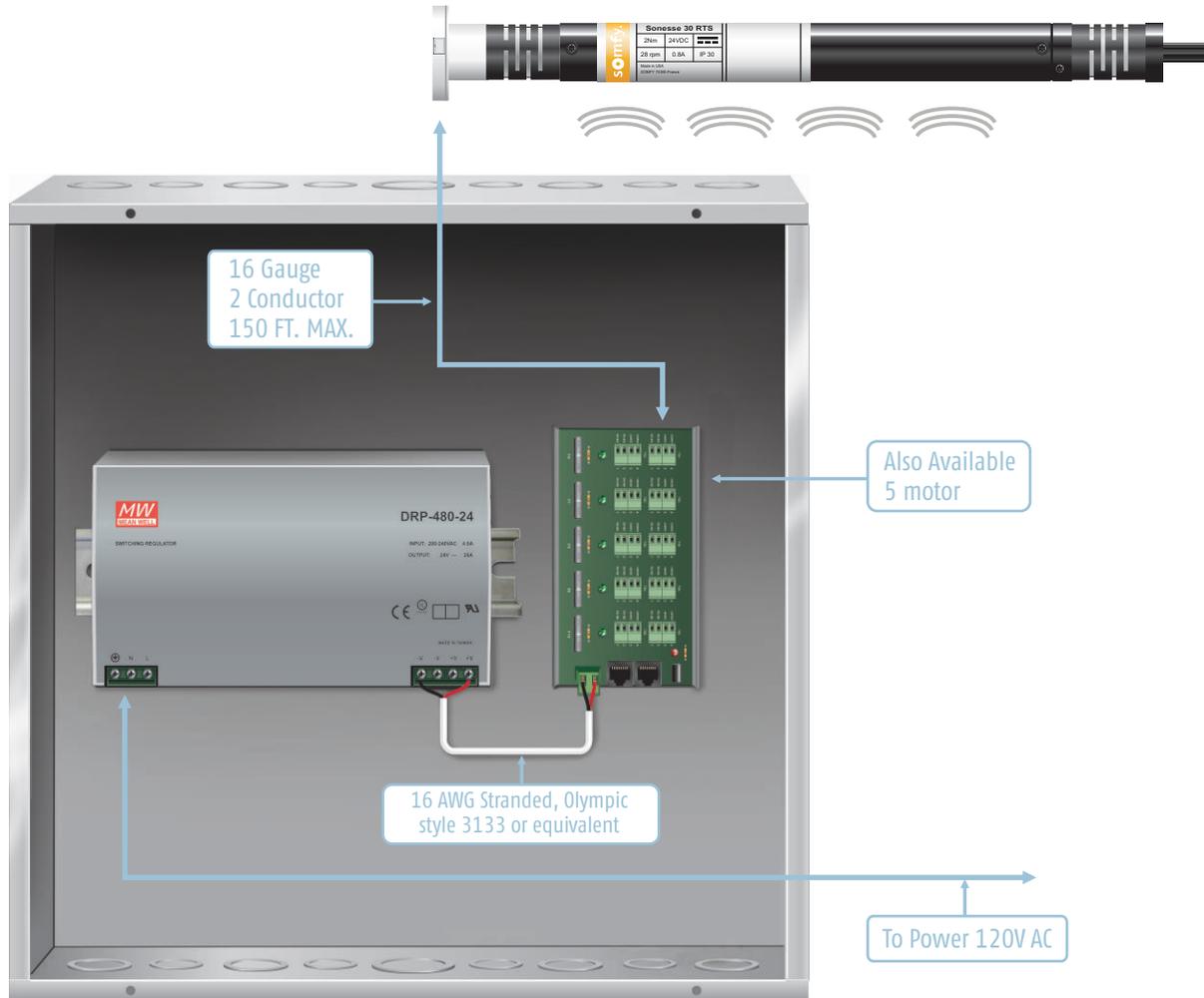- Keyhole slots on removable mounting brackets
- 8 motor maximum

24V DC 1.66A Wall Mount
Plug-in Transformer
1822209

To Power 120V AC

3RD Party Controller
(For example: Crestron®,
Universal Remote
Control, etc...)

Serial
(RS232 or RS485)
or IR

**16 CHANNEL UNIVERSAL RTS
INTERFACE
1810872**

**TELIS PURE RTS
1810632**

SHADE
SHEER
BEDROOM
DINING RM
FOYER
STOP

**DECOFLEX WIREFREE™ RTS
WALL SWITCH 5 CHANNEL
1810813**

SOMFY

**Z-WAVE® TO RTS INTERFACE
1811265**

For additional RTS controls see page 6

RTS
Radio Technology Somfy®

APPLICATION EXAMPLE

Sonesse 30 RTS
2Nm | 24VDC
28 rpm | 0.8A | IP 30
Made in USA
SOMFY 1K300 France

16 Gauge
2 Conductor
150 FT. MAX.

MW MEAN WELL
SWITCHING REGULATOR
DRP-480-24
INPUT: 200-240VAC   4.3A
OUTPUT: 24V ⎓   20A

Also Available
5 motor

16 AWG Stranded, Olympic
style 3133 or equivalent

To Power 120V AC

3RD Party Controller
(For example: Crestron®,
Universal Remote
Control, etc...)

Serial
(RS232 or RS485)
or IR

| 16 CHANNEL UNIVERSAL RTS INTERFACE 1810872 | TELIS PURE RTS 1810632 | DECOFLEX WIREFREE™ RTS WALL SWITCH 5 CHANNEL 1810813 | Z-WAVE® TO RTS INTERFACE 1811265 |

SHADE
SHEER
BEDROOM
DINING RM
FOYER
STOP

SOMFY

For additional RTS controls see page 6

Sonesse® 30 RS485 Control & Power Distribution

Sonesse® 30 RS485
Control Cable (7.5' length)
(included w/ motor)
See Detail Page 15
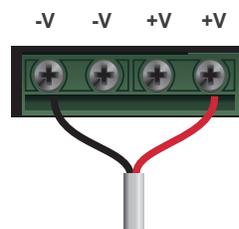
See Motor Connection Types
Page 15

Sonesse® 30
24V DC 2 Conductor
Power Cable

Sonesse 30 RS485

2Nm	24VDC	
28 rpm	0.8A	IP 30

Made in USA
SOMFY 74300-France

5063281G01
Node ID: 06:00 1E

somfy.

SDN OUT
SDN IN

To Motor

MW MEAN WELL **DRP-240-24**

SWITCHING REGULATOR   INPUT: 100-240VAC   3.5A
POWER FACTOR CORRECTION   OUTPUT: 24V —   10A

MADE IN TAIWAN

L   N   ⏚
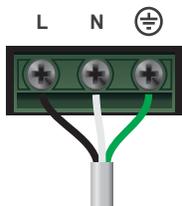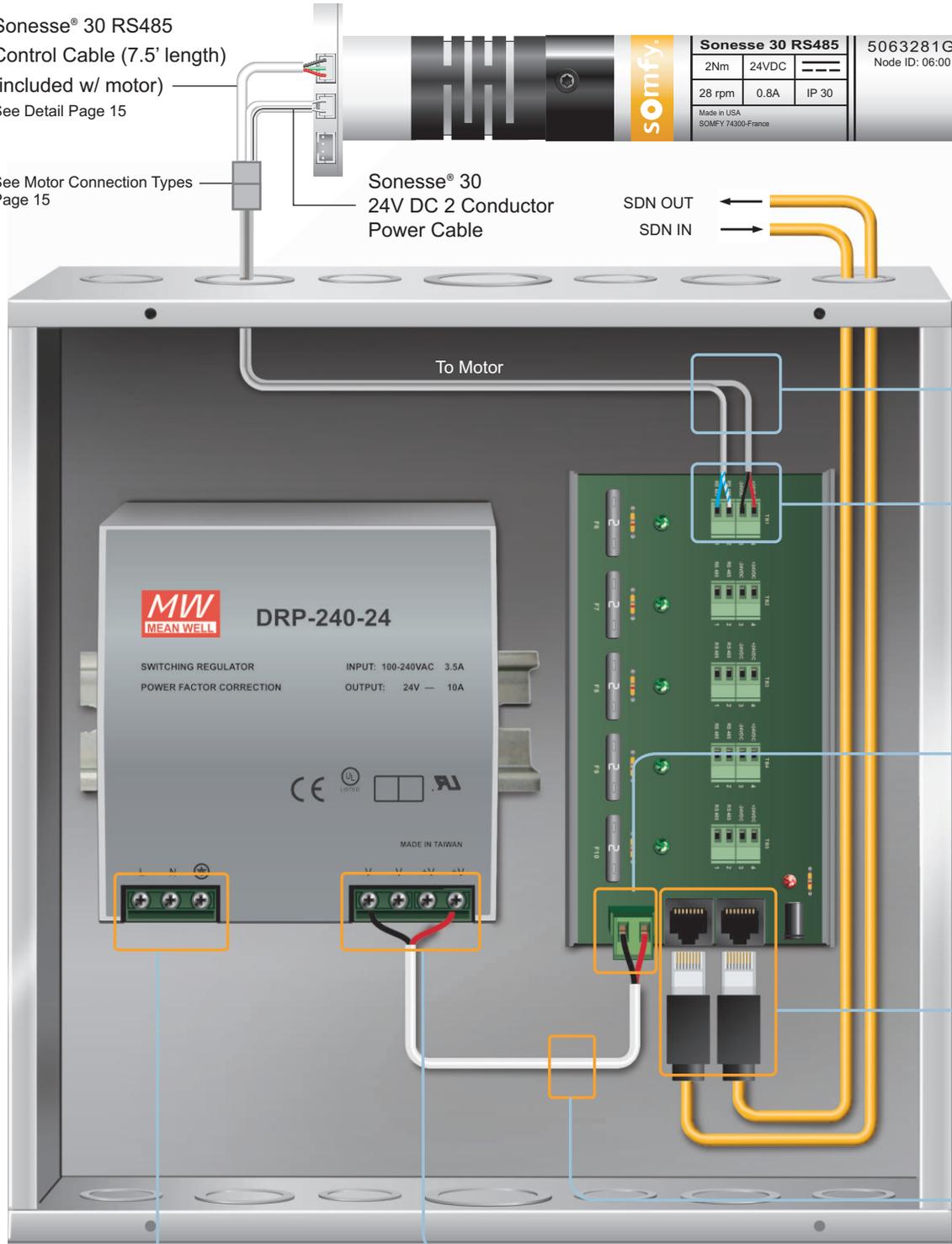
2/G Conductor

L = Line (Hot) (Black)
N = Neutral (White)
⏚ = Earth ground (Green)

NOTE: AC wiring in accordance with local codes

-V   -V   +V   +V

**16 AWG 2
Conductor**

RED +
BLACK -

14

Connection to Z-Wave® or ZigBee® Digital Motor Interface

5063281G01
Node ID: 06:00 1E
Sonesse 30 RS485
2Nm 24VDC
28 rpm 0.8A IP 30
Made in USA
SOMFY 74300-France

*RS485 Com Cable

24V DC in
From Power Supply

*24V DC to motor

* Included with Z-Wave® to Digital Motor Interface and the ZigBee® Digital Motor Interface.

SUGGESTED BUILDING WIRE

16 AWG 2 Conductor
24/2 pr

Coleman Model 97295
or equivalent

POWER/CONTROL DIST. BOARD CONNECTION

+ 24V DC
- 24V DC
Data- (RS485 B)
Data + (RS485 A)

BOARD POWER CONNECTION

16 AWG Stranded,
Olympic style 3133
or equivalent

RED +
BLACK -

SDN IN/OUT CONNECTION

1 – Data +
2 – Data –
3 – N/A
4 – Power +
5 – Power +
6 – N/A
7 – Ground –
8 – Ground –

SDN Cable Pinout

EIA/TIA 568B

SUGGESTED BOARD POWER WIRE

16 AWG Stranded,
Olympic style 3133
or equivalent

SONESSE 30 RS485 CONTROL CABLE

Sonesse® 30
RS485 Control Cable
(included with motor)

Red = A
Black = B
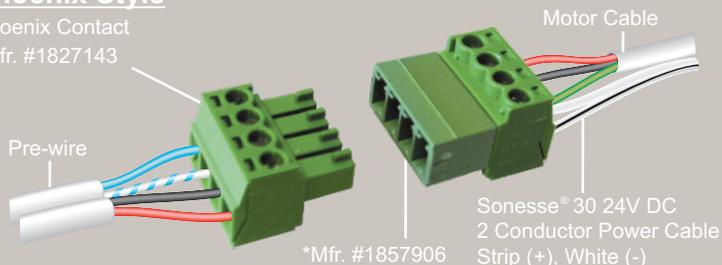Green = Ground
(Connected to power -)
White = N/A (Cut off)

Motor Connection Types

Phoenix Style

Phoenix Contact
*Mfr. #1827143

Motor Cable

Pre-wire

*Mfr. #1857906

Sonesse® 30 24V DC
2 Conductor Power Cable
Strip (+), White (-)

Power/Control Distribution Board Connector

Data + (RS485 A)	4	Red
Data - (RS485 B)	3	Black
*- 24V DC	2	Green
		Power White
+ 24V DC	1	Power Stripe

Super "B" Type Connectors

Dolphin Components
**Mfr. #DC-100-P

Sonesse® 30 24V DC
2 Conductor Power Cable
Strip (+), White (-)

Pre-wire
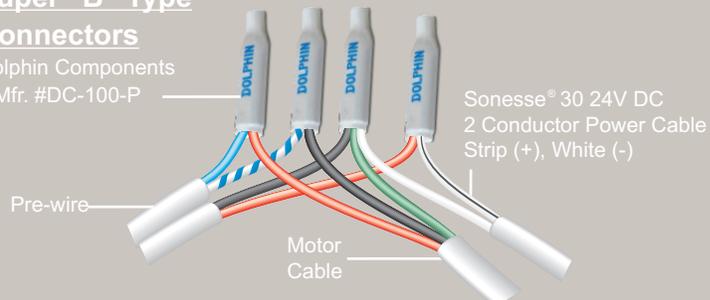
Motor
Cable

*As part of the specification on the Sonesse 30 RS485 motor, when a separate wire is not present for RS485 ground, connect the ground to the - 24V DC wire.
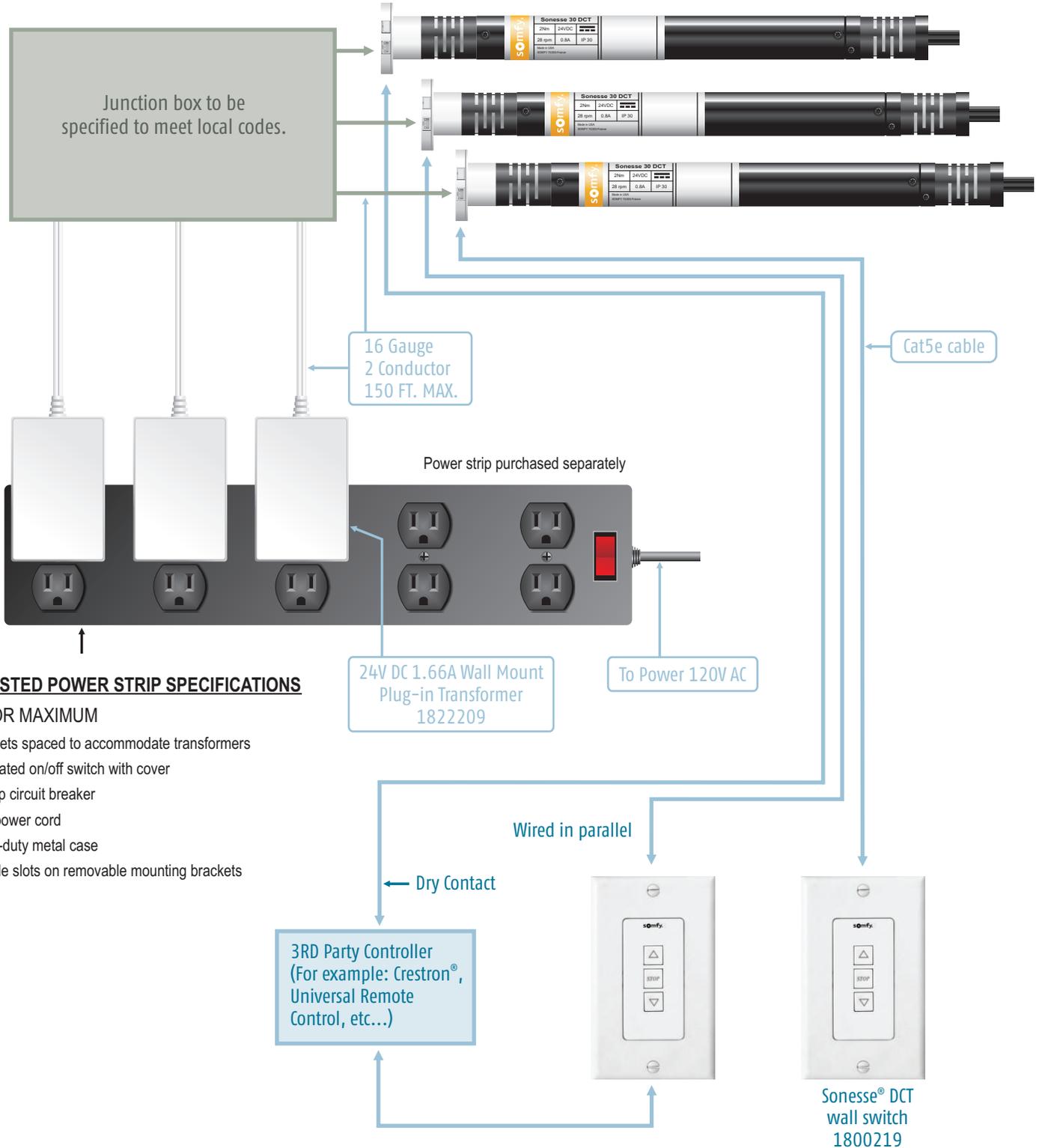
**All part numbers listed are for reference only. These are not Somfy part numbers

15

NOTE: A maximum of 8 motors can be wired to 1 switch or Dry Contact input.

APPLICATION EXAMPLE

Junction box to be specified to meet local codes.

Cat5e cable

16 Gauge
2 Conductor
150 FT. MAX.

Power strip purchased separately

24V DC 1.66A Wall Mount
Plug-in Transformer
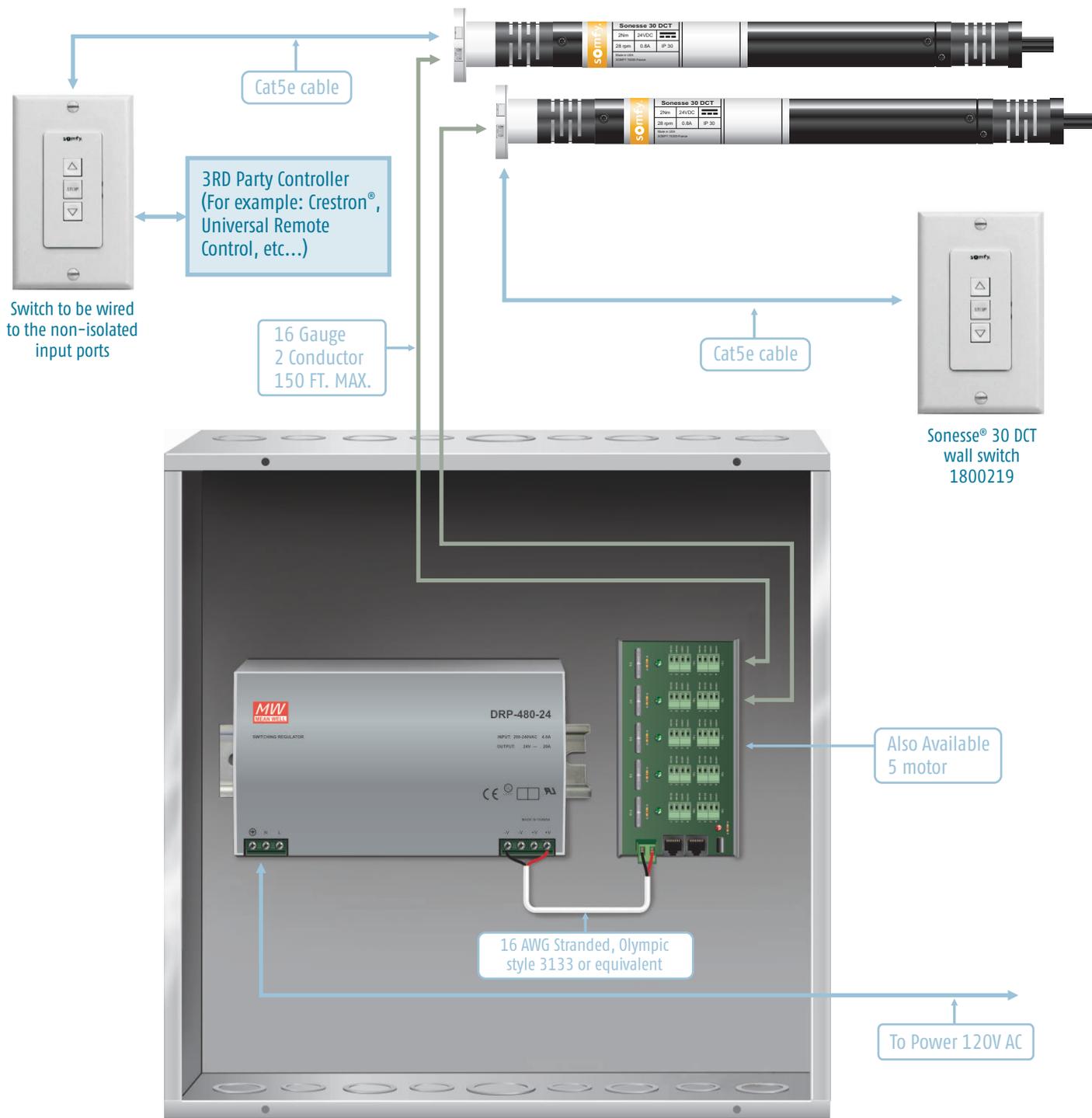1822209

To Power 120V AC

SUGGESTED POWER STRIP SPECIFICATIONS

8 MOTOR MAXIMUM

- 10 outlets spaced to accommodate transformers
- Illuminated on/off switch with cover
- 15-amp circuit breaker
- 15 ft. power cord
- Heavy-duty metal case
- Keyhole slots on removable mounting brackets

Wired in parallel

← Dry Contact

3RD Party Controller
(For example: Crestron®,
Universal Remote
Control, etc...)

Sonesse® DCT
wall switch
1800219

NOTE: A maximum of 8 motors can be wired to 1 switch or Dry Contact input.

APPLICATION EXAMPLE

Cat5e cable

Sonesse 30 DCT
2Nm   24VDC
28 rpm   0.8A   IP 30
Made in USA
SOMFY 76320 France

Sonesse 30 DCT
2Nm   24VDC
28 rpm   0.8A   IP 30
Made in USA
SOMFY 76320 France

3RD Party Controller
(For example: Crestron®, Universal Remote Control, etc...)

Switch to be wired to the non-isolated input ports

16 Gauge
2 Conductor
150 FT. MAX.

Cat5e cable

Sonesse® 30 DCT
wall switch
1800219

DRP-480-24

MW
MEAN WELL
SWITCHING REGULATOR

INPUT: 200-240VAC   4.0A
OUTPUT: 24V — 20A

Also Available
5 motor

16 AWG Stranded, Olympic
style 3133 or equivalent

To Power 120V AC

10 Motor Power Panel #1870192

Sonesse® 30 Hardware Systems > Acmeda System

STANDARD BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

Standard Brackets Light Gap

Idler Side   Motor Side

.53 in. (13.5mm)

.67 in. (17mm)*

.79" (20mm)   1.97" (50mm)   2.56" (60mm)   1.6" (40mm)   4.79" (121.6mm)   3.6" (91.6mm)   2.26" (57.5mm)

1.97" (50mm)   .79" (20mm)   4.79" (121.6mm)   3.6" (91.6mm)   2.26" (57.5mm)   .88" (22.3mm)

* With motor bracket adapter plate #9013789

Solar/Roller Shades

Roman/Woven Shades

PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	SONESSE® 30 MOTOR (RTS #1001524, RS485 #1000658, DCT #1000668)	
2	SONESSE® 30 TO LS40 ADAPTER KIT	9013776
3	CROWN ADAPTER 44MM TUBE (ACMEDA TYPE)	9013791
4	DRIVE WHEEL 44MM (ACMEDA TYPE)	9013790
4a	SILENT DRIVE WHEEL 44MM (ACMEDA TYPE)	9015259
5	MOTOR BRACKET ADAPTER PLATE (ACMEDA TYPE)	9013789
6	MOTOR & IDLER BRACKET KIT 40P (ACMEDA TYPE)	9013778
7	PLASTIC BRACKET COVER 40P KIT (ACMEDA TYPE)	9013780
8	IDLER END PLUG 44MM TUBE (ACMEDA TYPE)	9013774
9	44M ALUMINUM TUBE (16 FT. MAX LENGTH)	1780688
10	TUBE SPLINE 44MM TUBE (ACMEDA TYPE)	1780687
11	M3.5 x 9MM SCREWS	9014066
12	MOTOR BRACKET COMBO SET 122mm x 122mm	9013782

INTERMEDIATE BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

Idler Side   Intermediate Brackets   Motor Side
Light Gap

.53 in.
(13.5mm)

.79 in.
(20 mm)

.67 in. *
(17mm)
see note below

1.97" (50mm)   .84" (21mm)   1.97" (50mm)   .84" (21mm)

2.36" (60mm) 1.6" (40mm)   2.36" (60mm) 1.6" (40mm)

Intermediate   0-90° Intermediate

* With motor bracket adapter plate #9013789

PRODUCT CHART		
IMAGE	DESCRIPTION	CATALOG NUMBER
13	INTERMEDIATE BRACKET & COVER KIT 40P, 0-90 DEGREES (ACMEDA TYPE)	9013787
14	INTERMEDIATE MALE IDLER END PLUG (ACMEDA TYPE)	9013786
15	INTERMEDIATE BRACKET & COVER KIT 40P (ACMEDA TYPE)	9013783
16	INTERMEDIATE FEMALE IDLER END PLUG (ACMEDA TYPE)	9013785

Solar/Roller Shades

Roman/Woven Shades

STANDARD BRACKET COMPONENTS

Notch: 400 Series

A	B
10MM	7MM

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

Motor Side

Standard Brackets Light Gap

Idler Side

.79 in. (20mm)

.82 in. (21mm)

1.97" (50mm)

1.2" (30mm)

2.94" (75mm)

1.78" (45mm)

Motor Idler

Solar/Roller Shades

Roman/Woven Shades
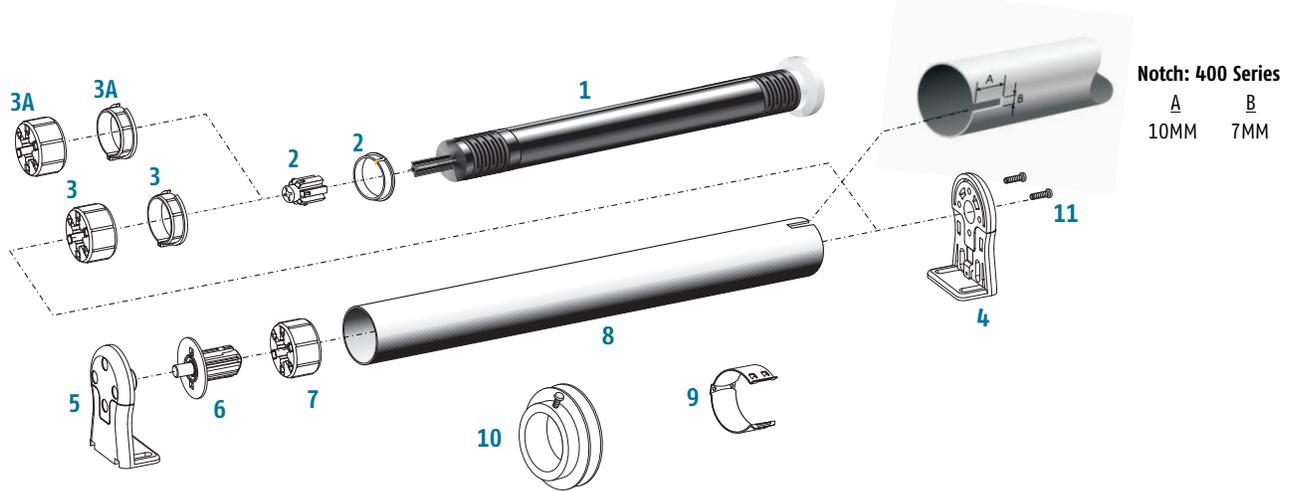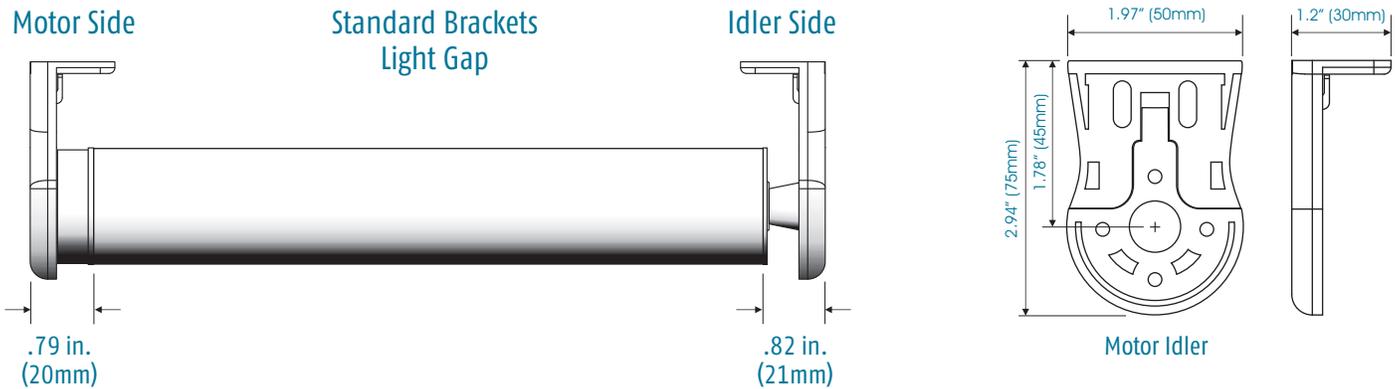
PRODUCT CHART		
IMAGE	DESCRIPTION	CATALOG NUMBER
1	SONESSE® 30 MOTOR (RTS #1001524, RS485 #1000658, DCT #1000668)	
2	SONESSE® 30 TO LS40 ADAPTER KIT	9013776
3	CROWN AND DRIVE (SOMFY 40MM x 1.5MM ROUND TUBE)	9012224
3A	CROWN AND RUBBERIZED DRIVE (SOMFY 40MM x 1.5MM ROUND TUBE)	9016654
4	MOTOR BRACKET (DECORATOR TYPE)	9500683
5	IDLER END BRACKET (DECORATOR TYPE)	9500685
6	IDLER END PLUG (DECORATOR TYPE)	9500688
7	40MM ROUND DRIVE (FOR USE WITH IDLER END PLUG)	9147544
8	SOMFY 40MM ROUND TUBE (20FT. MAX LENGTH)	1781153
9	CORD CLIPS FOR ROMAN SHADE APPLICATIONS	9012200
10	CORD TAKE-UP REEL (40MM TUBE)	1781152
11	M3.5 x 9MM SCREWS (Must be ordered separately when used with Sonesse® 30 motor range.)	9014066

INTERMEDIATE BRACKET COMPONENTS

13 **12** **12** **12** **13**

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

Idler Side   Intermediate Bracket Light Gap   Motor Side

.82 in. (21mm)   .63 in. (16mm)   .79 in. (20mm)

1.97" (50mm)   1.2" (30mm)

2.94" (75mm)   1.78" (45mm)
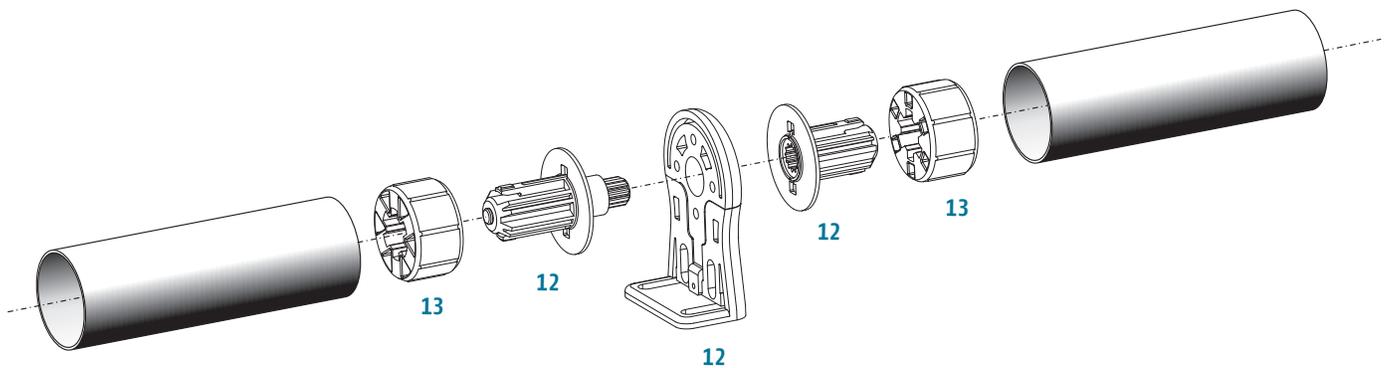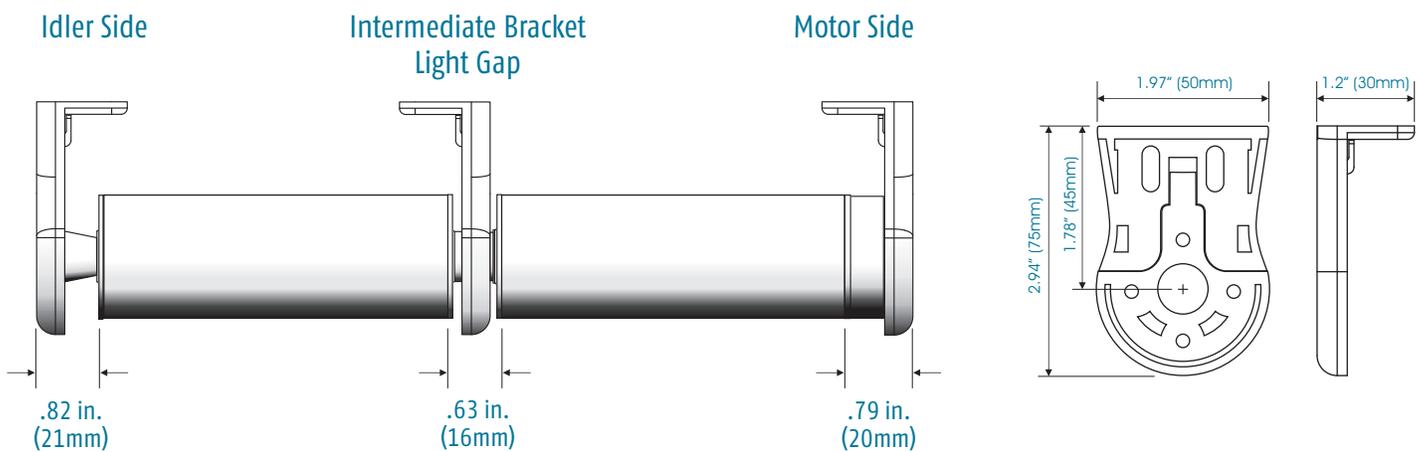
PRODUCT CHART		
IMAGE	DESCRIPTION	CATALOG NUMBER
12	INTERMEDIATE BRACKET KIT (DECORATOR TYPE)	9500687
13	40MM ROUND DRIVE (FOR USE WITH INTERMEDIATE BRACKET)	9147544

Solar/Roller Shades
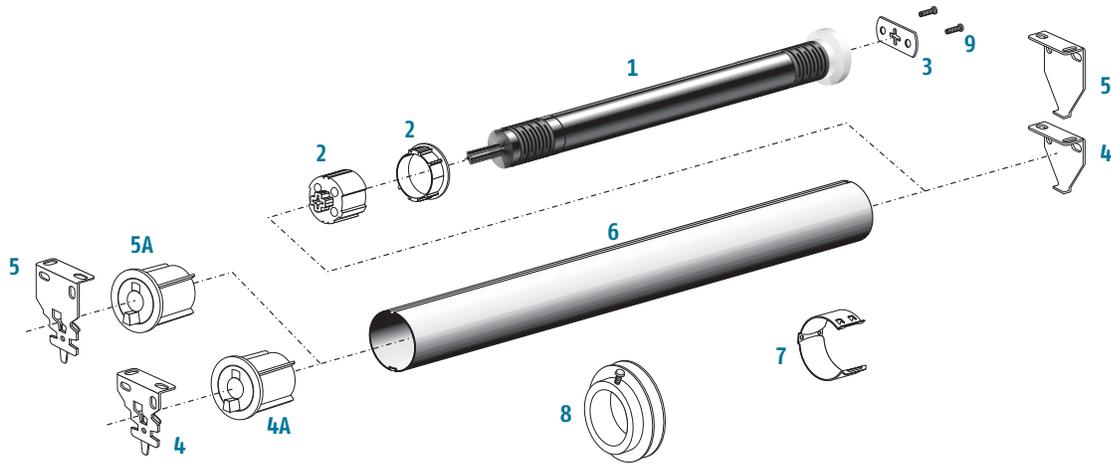
Roman/Woven Shades

STANDARD BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

1.50" (38.1mm)   .62" (16mm)   1.88" (48mm)

Idler Side   Standard Brackets Light Gap   Motor Side

.59 in. (15mm)   .64 in. (16.3mm)

.62" (16mm)   1.50" (38mm)   1.50" (38mm)

Solar/Roller Shades

Roman/Woven Shades

Sheer Horizontal Shades
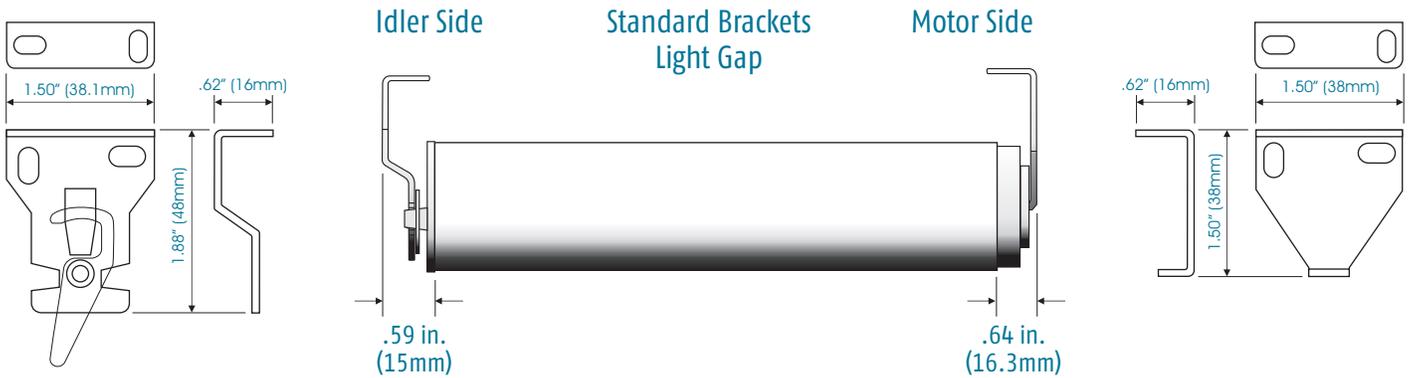
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	SONESSE® 30 MOTOR (RTS #1001524, RS485 #1000658, DCT #1000668)	
2	CROWN AND DRIVE FOR ROLLEASE® 1.5" TUBE	9013775
3	MOTOR ADAPTER PLATE FOR ROLLEASE® R8 BRACKET WITH SCREWS	9014073
4, 4A & 3	ROLLEASE® 1.5" BRACKET KIT R8 SERIES FOR SOMFY 40MM ROUND TUBE	9012311
5, 5A & 3	ROLLEASE® 2" BRACKET KIT R8 SERIES FOR SOMFY 2" ROUND TUBE	9012313
6	ROLLEASE® 1.5" TUBE	9017913
7	CORD CLIPS FOR ROMAN SHADE APPLICATIONS	9012200
8	TAKE-UP REEL – ROLLEASE® 1.5" TUBE	1780786
9	M3.5 x 9MM SCREWS	9014066

STANDARD BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

Idler Side   Standard Brackets Light Gap   Motor Side

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

.53 in. (13.5mm)   .72 in. (18.3mm)

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

Intermediate Brackets Light Gap

.53 in. (13.5mm)   .636 in. (16.2mm)   .72 in. (18.3mm)
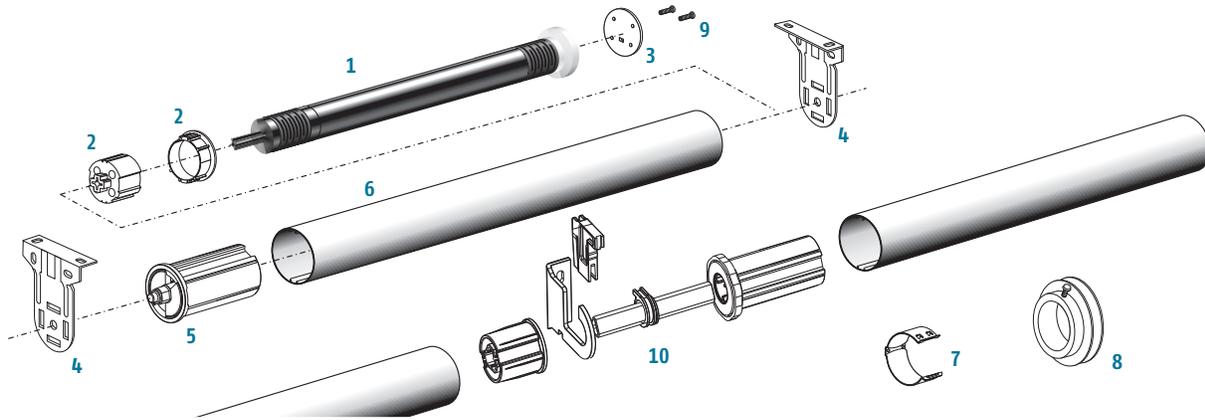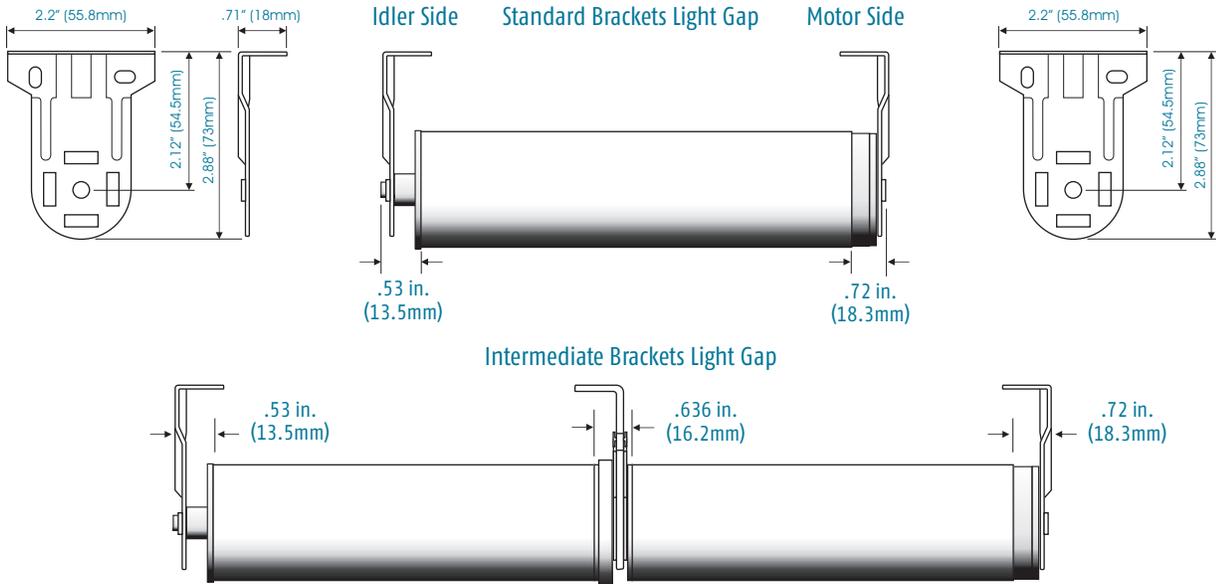
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	SONESSE® 30 MOTOR (RTS #1001524, RS485 #1000658, DCT #1000668)	
2	CROWN AND DRIVE FOR ROLLEASE® 1.5" TUBE	9013775
3	MOTOR BRACKET ADAPTER PLATE	9016378
4	ROLLEASE® SKYLINE SERIES BRACKETS 1.5"	9017910
5	ROLLEASE® SKYLINE SERIES IDLER END PLUG	9017912
6	ROLLEASE® 1.5" TUBE	9017913
7	CORD CLIPS FOR ROMAN SHADE APPLICATIONS	9012200
8	TAKE-UP REEL – ROLLEASE® 1.5" TUBE	1780786
9	M3.5 x 9MM SCREWS	9014066
10	ROLLEASE® SKYLINE SERIES INTERMEDIATE LINK SYSTEM	9016367

Solar/Roller Shades
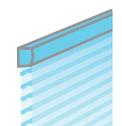
Roman/Woven Shades

Sheer Horizontal Shades

Sonesse® 30 Hardware Systems > Louvolite
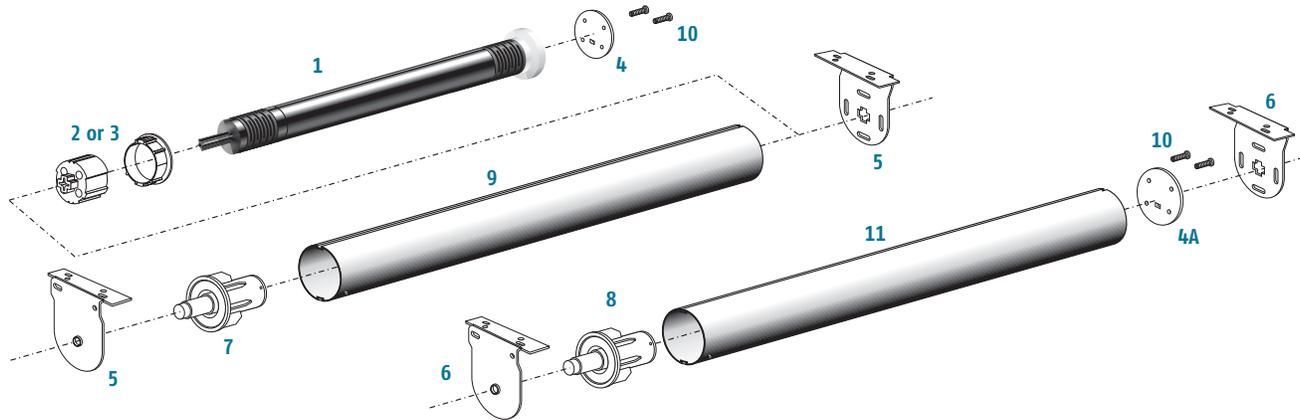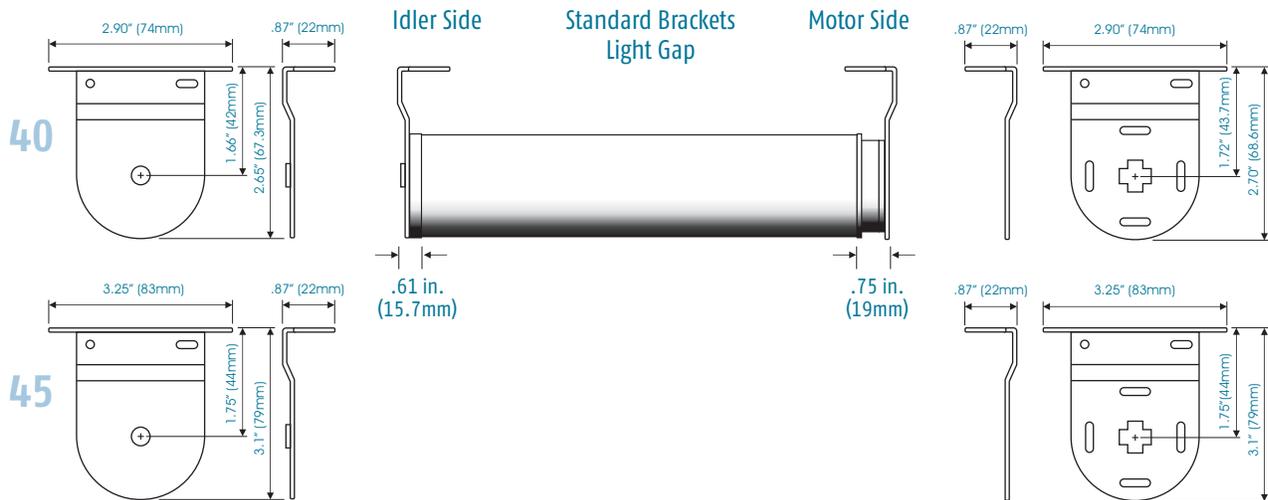
STANDARD BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

40
2.90" (74mm) | .87" (22mm)
1.66" (42mm) | 2.65" (67.3mm)

45
3.25" (83mm) | .87" (22mm)
1.75" (44mm) | 3.1" (79mm)

Idler Side | Standard Brackets Light Gap | Motor Side
.61 in. (15.7mm) | .75 in. (19mm)

.87" (22mm) | 2.90" (74mm)
1.72" (43.7mm) | 2.70" (68.6mm)

.87" (22mm) | 3.25" (83mm)
1.75" (44mm) | 3.1" (79mm)

Solar/Roller Shades

Roman/Woven Shades

PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	SONESSE® 30 MOTOR (RTS #1001524, RS485 #1000658, DCT #1000668)	SEE PAGES 2 & 3
2	CROWN AND DRIVE (LOUVOLITE 40MM TUBE) WITH SCREWS	9013775
2, 4, 10	CROWN AND DRIVE, MOTOR BRACKET ADAPTER PLATE WITH SCREWS (LOUVOLITE SYSTEM 40)	9014045
3, 4A, 10	CROWN AND DRIVE, MOTOR BRACKET ADAPTER PLATE WITH SCREWS (LOUVOLITE SYSTEM 45)	9014333
4	MOTOR BRACKET ADAPTER PLATE WITH SCREWS (LOUVOLITE SYSTEM 40)	9014072
4a	MOTOR BRACKET ADAPTER PLATE WITH SCREWS (LOUVOLITE SYSTEM 45)	9016013
5	MOTOR & IDLER BRACKET KIT (LOUVOLITE SYSTEM 40)	9013715
6	*MOTOR & IDLER BRACKET KIT (LOUVOLITE SYSTEM 45)	9015554
7	COLLAPSIBLE END PLUG (LOUVOLITE SYSTEM 40)	9013716
8	COLLAPSIBLE END PLUG (LOUVOLITE SYSTEM 45)	9015555
9	LOUVOLITE 40MM TUBE	CONTACT LOUVOLITE
10	SCREWS M3.5 x 9MM	9014066
11	LOUVOLITE 45MM TUBE	CONTACT LOUVOLITE

* KIT TO BE USED WITH MOTOR BRACKET ADAPTER PLATE (LOUVOLITE SYSTEM 40), CATALOG #9014072

CORD TAKE-UP SYSTEM (CTS)
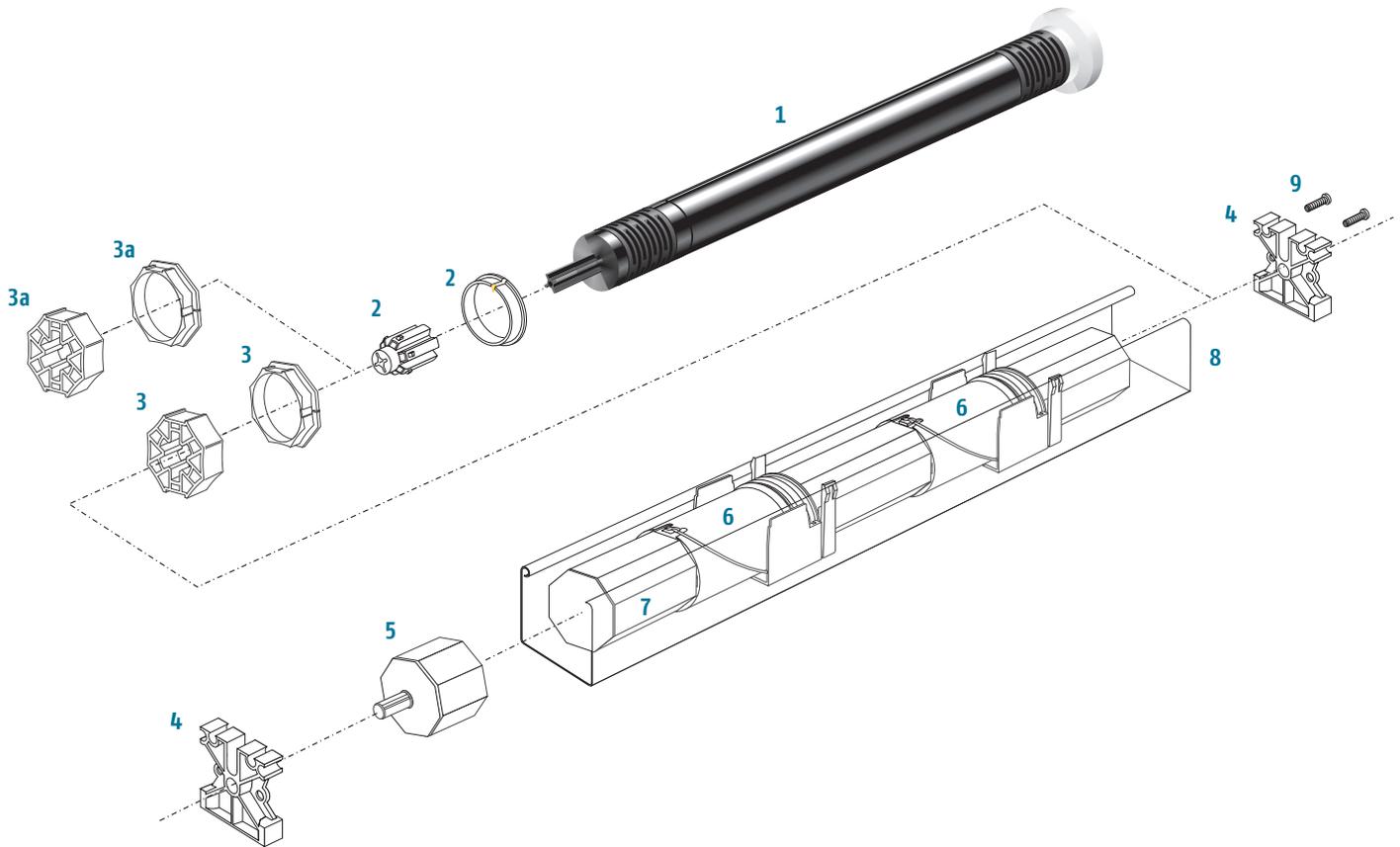
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	SONESSE® 30 MOTOR (RTS #1001524, RS485 #1000658, DCT #1000668)	
2	SONESSE® 30 TO LS40 ADAPTER WITH SCREWS	9013776
3	CROWN AND DRIVE KIT 40MM OCTAGONAL TUBE (LOUVOLITE SYSTEM 40)	9012225
3a	RUBBERIZED CROWN AND DRIVE KIT 40MM OCTAGONAL TUBE	9016655
4	MOTOR / IDLER BRACKET (FOR 57MM x 51MM HEADRAIL) (LOUVOLITE SYSTEM 45)	9500736
5	IDLER END PLUG FOR 40MM OCTAGONAL TUBE	9012274
6	CTS 40 (FOR 57MM x 41MM HEADRAIL)	1781118
7	SOMFY 40MM OCTAGONAL TUBE (20FT. MAX LENGTH)	1781154
8	57MM X 51MM (2" x 2 1/4") GUTTER RAIL OR SIMILAR	CONTACT MANUFACTURER
9	M3.5 x 9MM SCREWS	9014066

Roman/Woven Shades

Cellular/Pleated Blinds
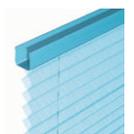
Horizontal Blinds

SKYLINE™ BRACKET AND FASCIA ACCESSORIES*

3" Round Fascia

3" Square Fascia

4" Square Fascia

4" Round Fascia
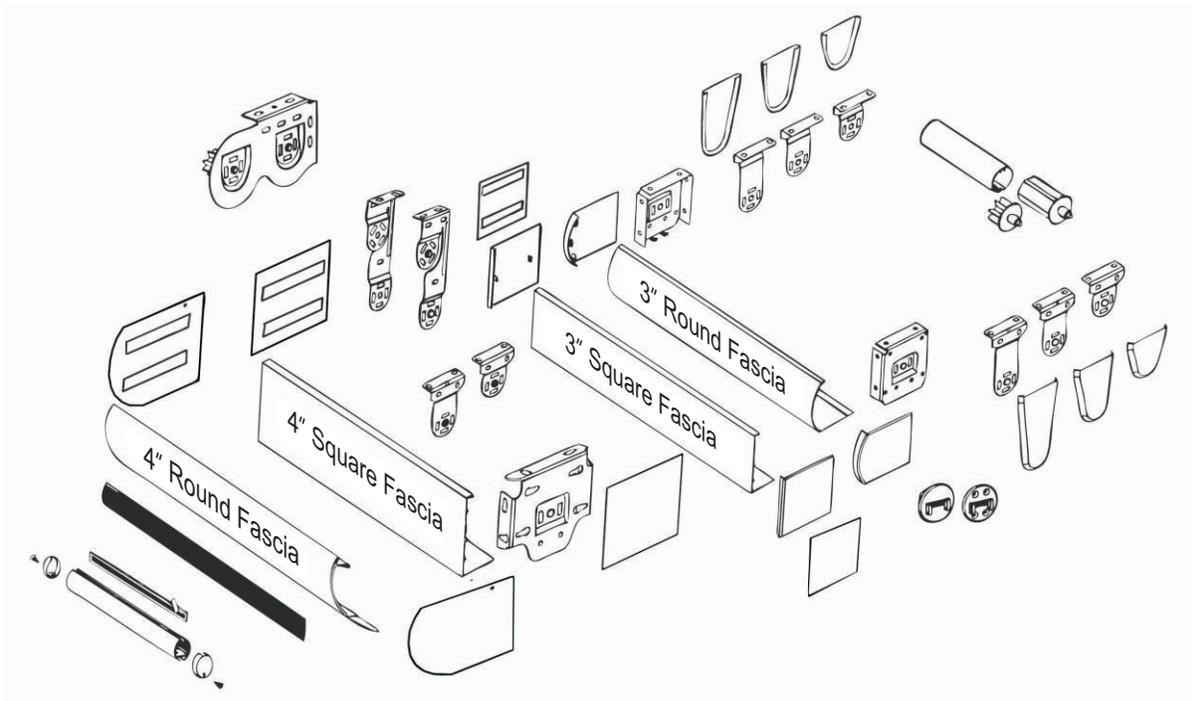
C80/C120 CASSETTE ACCESSORIES*

C120

C80
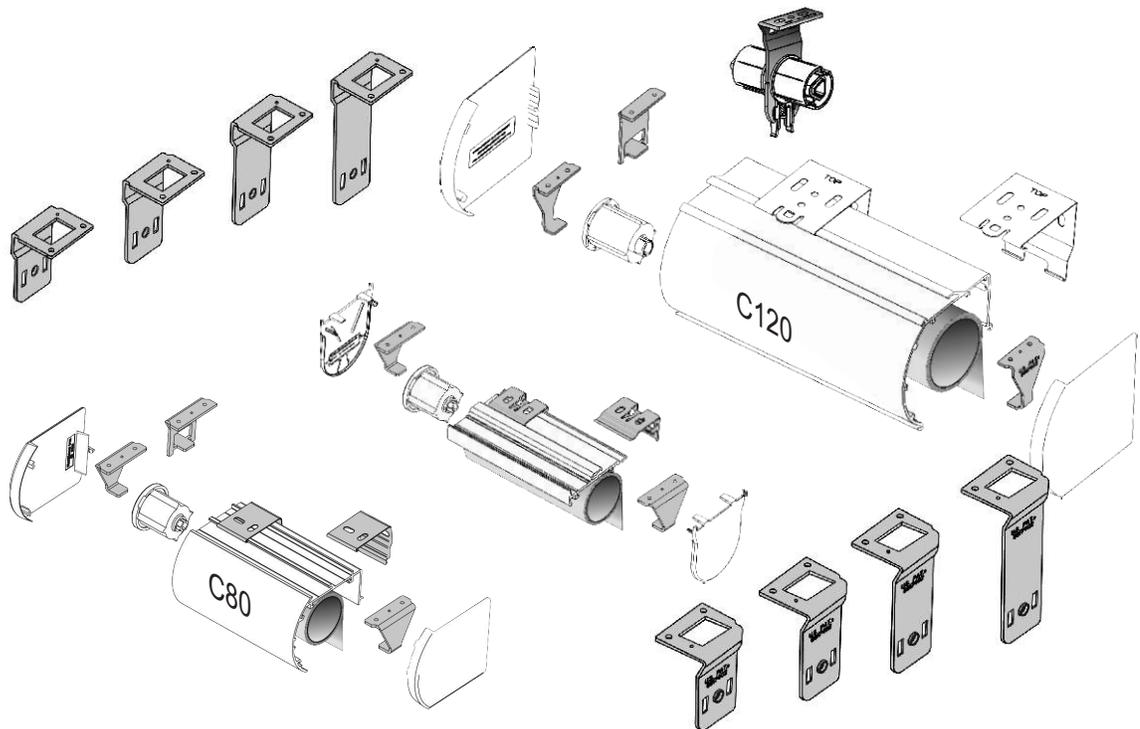
Solar/Roller Shades

Roman/Woven Shades

Sheer Horizontal Shades
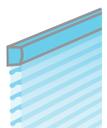
* Available through RollEase ®

INTERMEDIATE BRACKET SOLUTIONS**
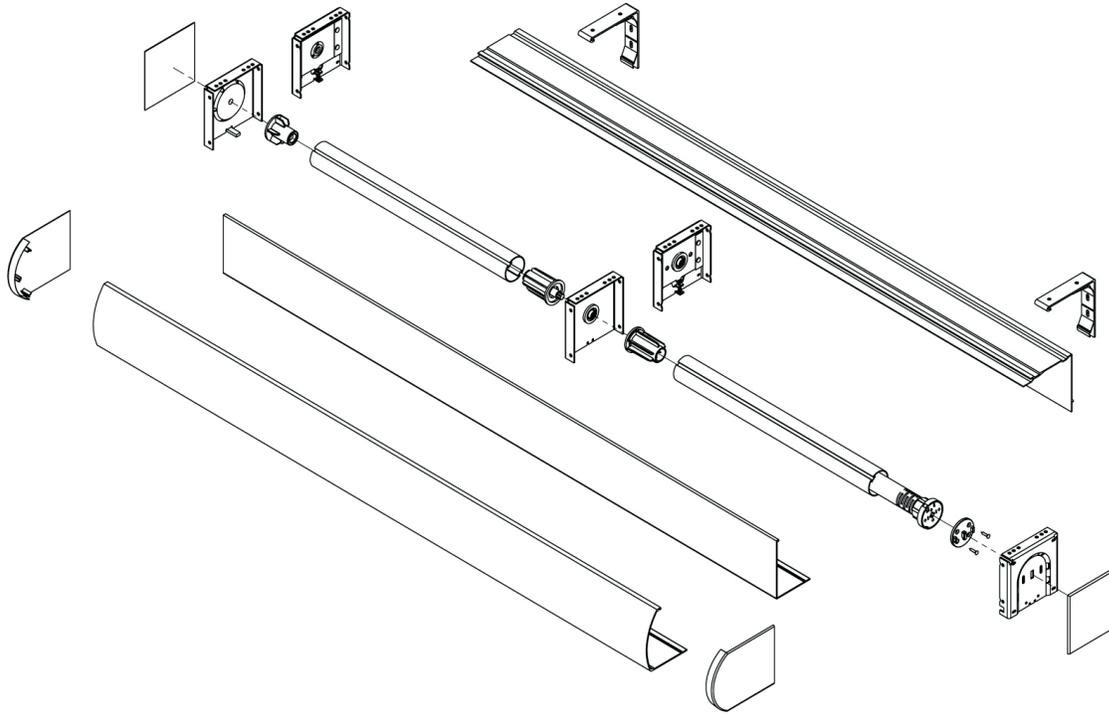
DUO SHADE FASCIA COMPONENTS**
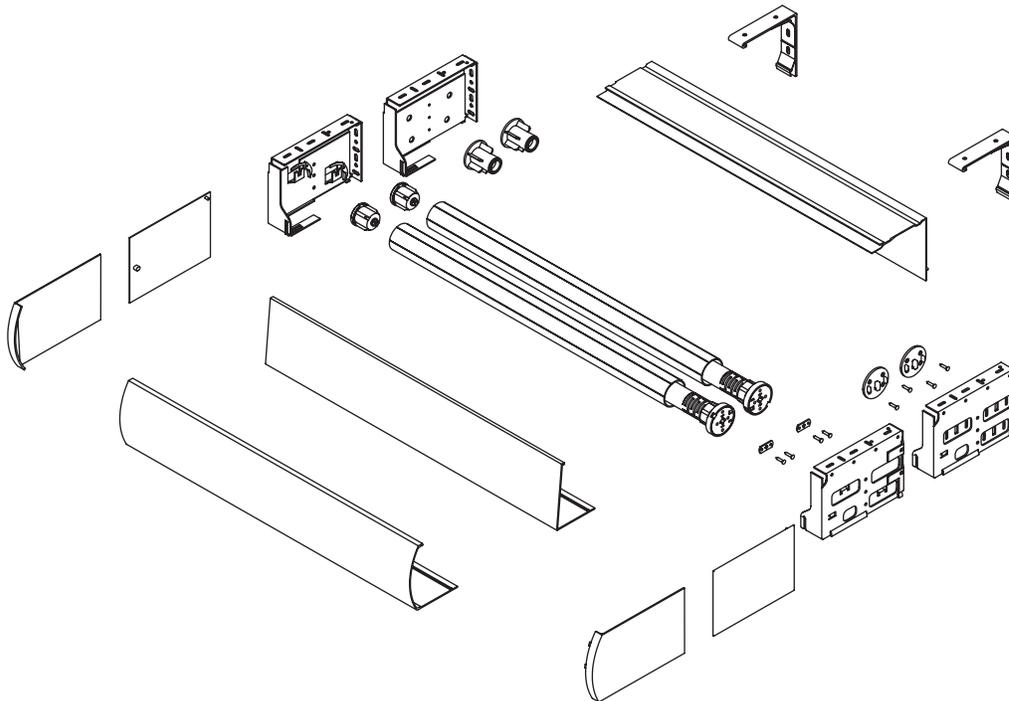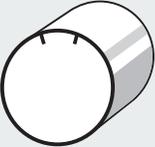
Solar/Roller Shades

Roman/Woven Shades

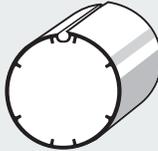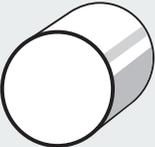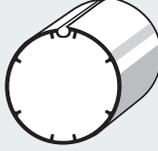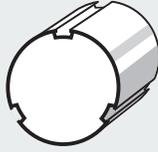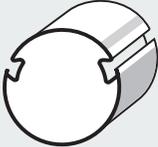Sheer Horizontal Shades

** Available through ZMC® Window Coverings, Inc.

CROWNS AND DRIVES

TUBE PROFILE (not to scale)	SET
Compatible with all 400 series crowns and drives.	 Sonesse® 30 to 400 Series Adapter Kit (adapts Sonesse® 30 to all 400 Series crowns and drives) **Part # 9013776**
 ø 1.5 in. / 38mm RollEase®	 Crown and Drive Set for RollEase® 1.5"/38mm Tube **Part # 9013775**
 ø 1.5 in. / 40mm Round	 400 Series Crown and Drive Set* (for Somfy® 40mm x 1.5" round tube) **Part # 9012224** 400 Series Crown and Rubberized Drive Set* (for Somfy® 40mm x 1.5" round tube) **Part # 9016654**
 ø 1.5 in. / 40mm Octagonal	 400 Series Crown and Drive Set* (for 40mm octagonal tube) **Part # 9012225** 400 Series Crown and Rubberized Drive Set* (for 40mm octagonal tube) **Part # 9016655**

TUBE PROFILE (not to scale)	SET
 ø 1.5 in. / 40mm Louvolite	 Crown, Drive, Motor Mount Plate and 3.5 x 9mm Screws (for Louvolite® System 40) **Part # 9014045**
 ø 44mm Acmeda	 400 Series Crown Adapter for Acmeda 44mm Tube* **Part # 9013791** Soft Drive Wheel (ST30/LT30 type for Acmeda 44mm Tube) **Part # 9015259**
 ø 44mm Acmeda	 400 Series Crown Adapter for Acmeda 44mm Tube* **Part # 9013791** Drive Wheel (LS40 type for Acmeda 44mm Tube)* **Part # 9013790**
 ø 45mm Louvolite	 Crown, Drive, Motor Mount Plate and 3.5 x 9mm Screws (for Louvolite® System 45) **Part # 9014333**
 ø 50mm Hunter Douglas	 400 Series Crown and Drive for HD 4" Silhouette* (Quartette™) **Part # 9016953**

* NOTE: Must be used with Sonesse 30® to 400 Series Adapter Kit # 9013776

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F: (949) 727-3775

SOMFY ULC
SOMFY Canada Division
5178 Everest Drive
Mississauga, Ontario L4W2R4
P: 1-800-66-SOMFY (76639)
CN: (905) 564-6446
F: (905) 238-1491

HOME MOTION by
somfy.