

WireFree[™] Databook



Roll Up WireFree™ RTS



Somfy is the leading global manufacturer of strong, intelligent, quiet motors and electronic controls for interior and exterior window coverings with more than 110 million motors produced since 1980. For more than four decades, engineers at Somfy have designed products for both the commercial and residential markets to motorize window coverings such as interior shades, wood blinds, draperies, awnings, rolling shutters, exterior solar screens and projection screens. Somfy motorization systems are easily integrated with security, HVAC and lighting systems providing total home or building automation.

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.

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Acmeda® is a registered trademark of Acmeda, Inc.

RollEase® is a registered trademark of RollEase Inc.

 $\label{lower-Lite} \textit{Louvolite} \ \ \textit{ or registered trademark of Louver-Lite Limited-Hyde, United Kingdom}$

Hunter Douglas® is a registered trademark of Hunter Douglas Industries Switzerland GMBH Corporation - Luzern, Switzerland

Comfortex® is a registered trademark of Comfortex Corporation–New York, NY

Conveniently WireFree™

This document is a presentation of the accessories and specifications related to the WireFree™ motor range. It provides the technical information needed to order, fabricate, and sell battery-operated 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.

Somfy offers an innovative and simple line of completely battery–powered WireFree™ motors. These motors install in minutes and provide a perfect solution for hard–to–reach window coverings and offer solutions in areas where access to wiring may be a challenge. This allows the ability to create the best living environment with optimal natural light levels at the press of a button without the need for an electrician. The WireFree™ motors are available with a variety of power and control options and easily integrate with home automation systems.



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

- Hand-held, wall switch and table top controls
- Automatic timer and sun controls
- Easily integrates with 3rd party control systems via RS485

Solar/Roller Shades



Sheer Horizontal Shades



Roman/Woven Shades



Pleated/Cellular Shades



Horizontal Blinds





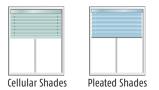
As with all Somfy products, the WireFree™ motors are backed by a 5 year warranty.

Cord Lift WireFree™ CL32 RTS



Part # 1002422

Applications





Offers control via Radio Technology Somfy® (RTS)

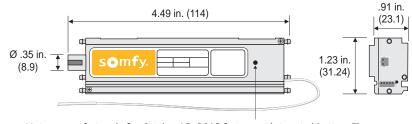


Technical features

Voltage Supply	DC
Index Protection Rating	IP 30
Limit Switch Type	Electronic
Limit Switch Capacity	180 Turns

Temperature Working Range 32°F to 140°F (0°C to 60°C) Insulation Class Class III Antenna RF antenna wire must be positioned outside of headrail and should not come in contact with metal surfaces for greatest RF range. RF wire may need to be repositioned for optimal performance. Antenna wire must not be cut.

Dimensions - in. (mm)



Roman Shades

Motors manufactured after October 15, 2013 feature an integrated button. The reset and programming tool (#9013291) is no longer required or operational.

Reset & Programming Tool

Part # 9013291

Performances

Required for resetting/programming CT32 motors manufactured prior to Oct. 15, 2013. Manufactured date located on motor label (shown).



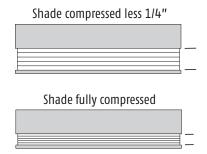


Cordlift WireFree™

Voltage	12V DC
Torque	.34 Nm
Thermal Protection	2.5 minutes
Over Current Protection	1.2 Amps
Sound Level	53 dBA
Speed	58 rpm
Radio Frequency for RTS	433.42 MHZ

Fabrication Recommendations

 Do not compress fabric into headrail when setting upper limit. Bottom bar should be 1/4" lower than fully compressed position and should move freely once shade position is set.



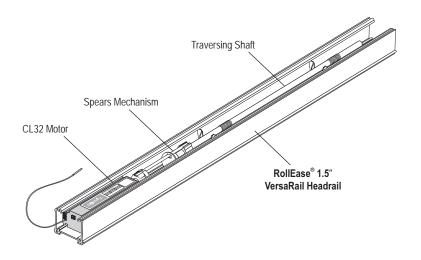
 Somfy requires Energizer Lithium batteries #L91 that provide patented safety protection.



Cord Lift WireFree™ RTS Hardware Systems and Accessories

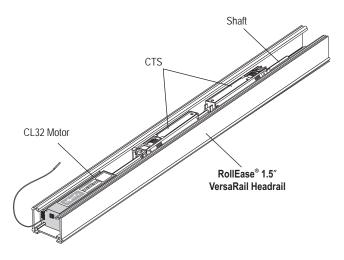
CL32 Traversing Shaft Systems

SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTERS	SHAFT ADAPTER
Rollease® 1.5" VersaRail		Not Required	9013283
*Graber [®] /Bali [®] EasyUp		9013288	Available through Springs Window Fashions only
*Levolor/Kirsch Accordia (cord loop)		Available through Kirsch/Levolor only	9013283



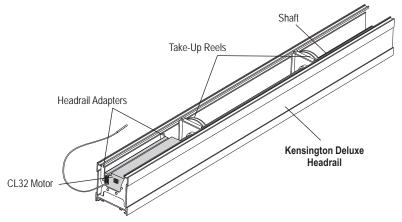
CL32 (CTS) Cone Systems

SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTERS	CTS (Cord Take-Up)	SHAFT TYPE	SHAFT ADAPTER
RollEase [®] 1.5″ VersaRail		Not Required	Somfy CTS 5mm Hex	5mm Hex	9012105
Comfortex/ Turnils Global Headrail		9015900	Available through Comfortex/ Turnils	"V" Notch	9015899
Blinds to Go (Smartlift) HT Window Fashions (Clutch)		9017148	Available through Blinds To Go & HT Window Fashions	4mm Square	9013269



CL32 Take-Up Reel Systems

SYSTEM	HEADRAIL		HEADRAIL	SHAFT
TYPE	PROFILE		ADAPTERS	ADAPTER
Kensington Deluxe	-	l	9013443	9013284



^{*} Contact your local distributor/retailer for complete products.

Roll Up WireFree™ RTS LT 30 RTS



Part # 1001683

Radio Technology Somfy®

Offers control via Radio Technology Somfy® (RTS)

Applications





Technical features

Voltage Supply	DC
Index Protection Rating	IP 30
Limit Switch Type	Electronic
Limit Switch Capacity	80 Turns

Temperature Working Range 32°F to 140°F (0°C to 60°C)

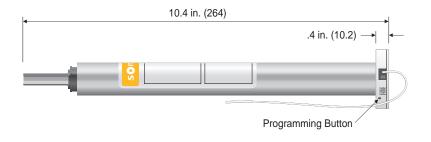
Insulation Class (lass	Ш
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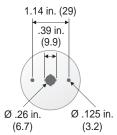
Class III

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.

Dimensions - in. (mm)





Performances

ROLL UP WIREFREE™

Voltage	12V DC
Torque	1.13 Nm
Thermal Protection	2.5 min.
Over Current Protection	1.4 Amps
Sound Level	56 dBA
Speed	27 rpm
Radio Frequency for RTS	433.42 MHZ

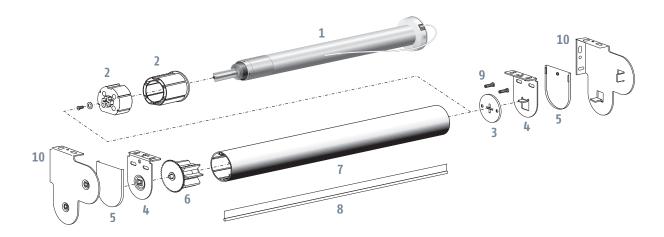
Fabrication Recommendations

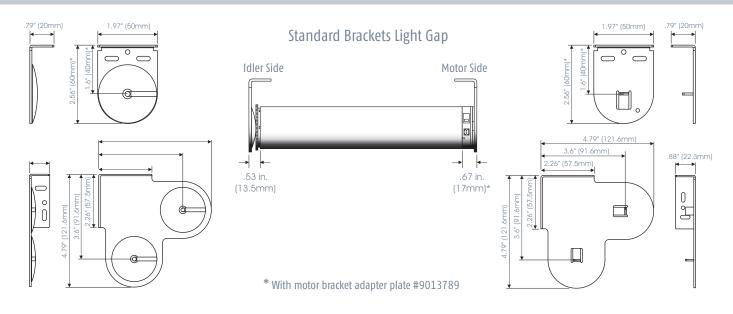
- Minimum roller tube inside diameter is > 30mm
- Aluminum tubes required (steel tubes will interfere with motor performance.)
- Somfy requires Energizer Lithium batteries #L91 that provide patented safety protection.



Roll Up WireFree™ Hardware Systems Acmeda System

STANDARD BRACKET COMPONENTS

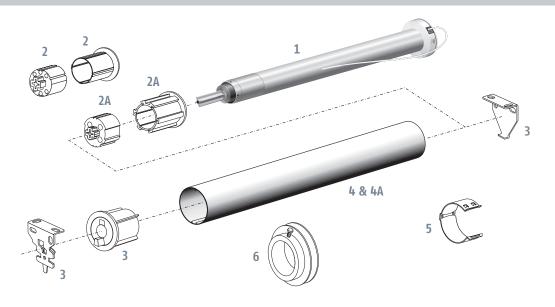




PRODUCT CHART				
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	Lt30 RTS MOTOR	1001683		
2	CROWN & DRIVE PACK 44mm TUBE (ACMEDA TYPE)	9015288		
3	MOTOR BRACKET ADAPTER PLATE (ACMEDA TYPE)	9013789		
4	MOTOR & IDLER BRACKET KIT 40P (ACMEDA TYPE)	9013778		
5	PLASTIC BRACKET COVER 40P KIT (ACMEDA TYPE)	9013780		
6	IDLER END PLUG 44mm TUBE (ACMEDA TYPE)	9013774		
7	44mm ALUMINUM TUBE (ACMEDA TYPE)	1780688		
8	TUBE SPLINE 44mm TUBE (ACMEDA TYPE)	1780687		
9	M3.5 x 9mm SCREWS	9014066		
10	MOTOR BRACKET COMBO SET 122mm x 122mm	9013782		

Roll Up WireFree™ Hardware Systems RollEase® R-Series

STANDARD BRACKET COMPONENTS

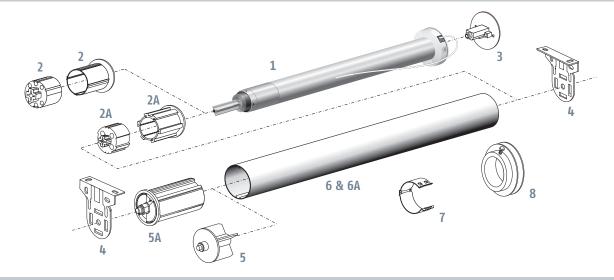




PRODUCT CHART			
IMAGE	DESCRIPTION	CATALOG NUMBER	
1	LT30 RTS MOTOR	1001683	
2	CROWN AND DRIVE PACK (FOR ROIIEase® 1.25" TUBE)	9013487	
2A	CROWN AND DRIVE PACK (FOR ROIIEase® 1.5" TUBE)	9013488	
3	ROIIEase® 1.5" PROJECTION BRACKET KIT R8 SERIES	Contact RollEase®	
4	RollEase® 1.25" TUBE	Contact RollEase®	
4A	RollEase® 1.5" TUBE	9017913	
5	CORD CLIPS (FOR ROIIEase® 1.5" TUBE)	9012200	
6	TAKE-UP REEL (FOR ROIIEase® 1.5" TUBE)	1780786	

Roll Up WireFree™ Hardware Systems RollEase® Skyline

STANDARD BRACKET COMPONENTS

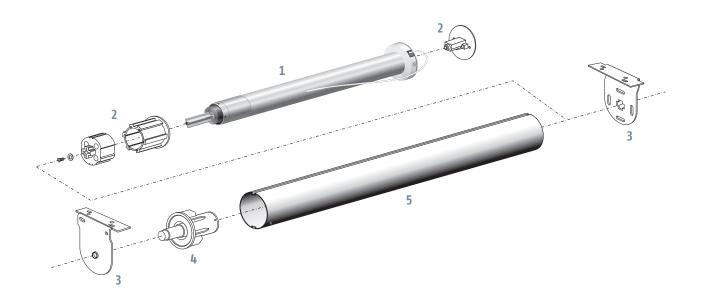


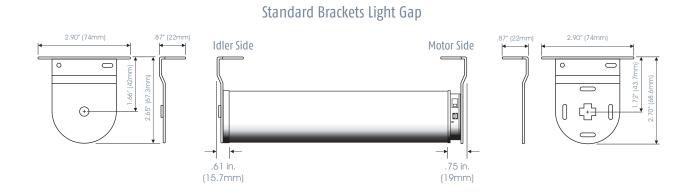


PRODUCT CHART			
IMAGE	DESCRIPTION	CATALOG NUMBER	
1	LT30 RTS MOTOR	1001683	
2	CROWN AND DRIVE (FOR RollEase® 1.25" TUBE)	9013487	
2A	CROWN AND DRIVE (FOR ROIIEase® 1.5" TUBE)	9013488	
3	MOTOR BRACKET ADAPTER PLATE	9016377	
4	SKYLINE SERIES BRACKETS 1.5" PROJECTION (RollEase®)	9017910	
5	SKYLINE SERIES IDLER END PLUG (FOR ROIIEase® 1.25" TUBE)	Contact RollEase®	
5A	SKYLINE SERIES HEAVY DUTY IDLER END PLUG (FOR ROIIEase® 1.5" TUBE)	9017912	
6	RollEase [®] 1.25" TUBE	Contact RollEase®	
6A	RollEase [®] 1.5" TUBE	9017913	
7	CORD CLIPS (FOR ROIIEase® 1.5" TUBE)	9012200	
8	TAKE-UP REEL (FOR ROIIEase® 1.5" TUBE)	1780786	

Roll Up WireFree™ Hardware Systems Louvolite® System 40

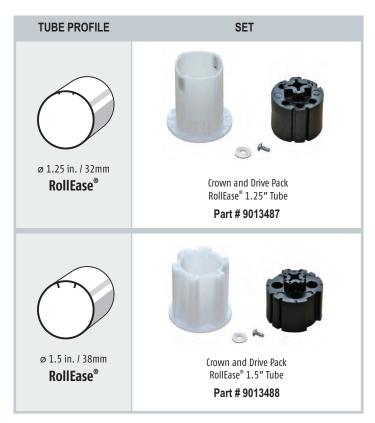
STANDARD BRACKET COMPONENTS

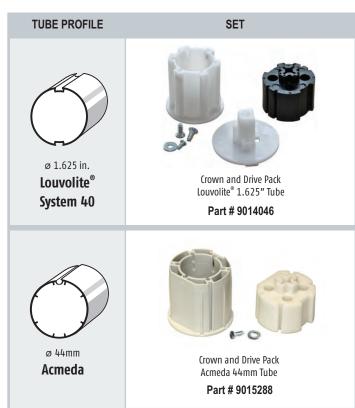




PRODU	PRODUCT CHART			
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	LT30 RTS MOTOR	1001683		
2	CROWN AND DRIVE PACK WITH WASHER & SCREW	9014046		
	& MOTOR BRACKET ADAPTER PLATE (FOR LOUVOLITE® SYSTEM 40)			
3	MOTOR & IDLER BRACKET KIT (FOR LOUVOLITE® SYSTEM 40)	9013715		
4	COLLAPSIBLE END PLUG (FOR LOUVOLITE® SYSTEM 40)	9013716		
5	LOUVOLITE® 40mm TUBE	CONTACT LOUVOLITE®		

Roll Up WireFree™ Crowns & Drives





* SPECIALTY APPLICATIONS





* Crown and drives may not be suitable for all applications.

Tilt WireFree™ RTS

Part # 1000678



Applications



- Tilt only
- Features Somfy patented Modulis control, capable of precision tilting of blind slats (see page 14).



Offers control via Radio Technology Somfy (RTS)

2" Horizontal Blinds

Technical features

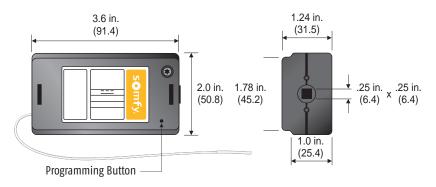
Voltage Supply	DC		
Index Protection Rating	IP 30		
Limit Switch Type	Electronic		

Temperature Working Range	32°F to 140°F (0°C to 60°C)		
Insulation Class	Class III		

Antenna

RF antenna wire must be positioned outside of headrail and should not come in contact with metal surfaces for greatest RF range. RF wire may need to be repositioned for optimal performance. Antenna wire must not be cut.

Dimensions - in. (mm)



Performances TILT WIREFREE™

Voltage	12V DC
Torque	1 Nm
Thermal Protection	5 min.
Over Current Protection	TBD
Sound Level	44 dBA at 5 rpm with rubberized headrail adapter
Speed	12 rpm
Slow Speed Option	5 rpm

Fabrication Recommendations

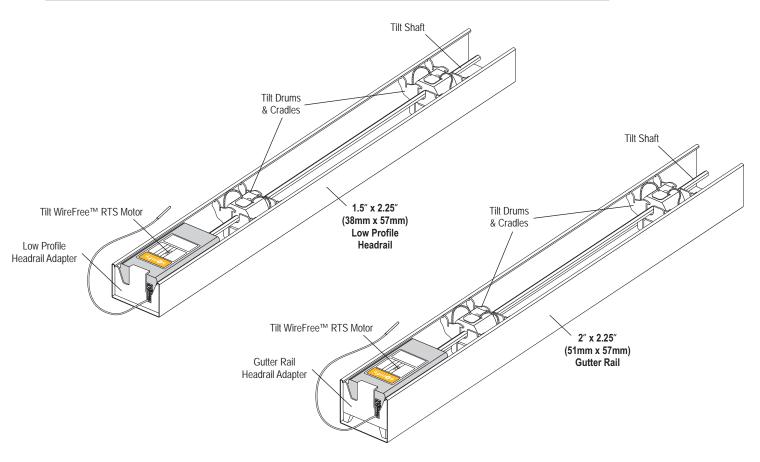
• Somfy requires Energizer Lithium batteries #L91 that provide patented safety protection.



Tilt WireFree™ RTS Hardware Systems and Accessories

TILT WIREFREE™ RTS COMPONENTS

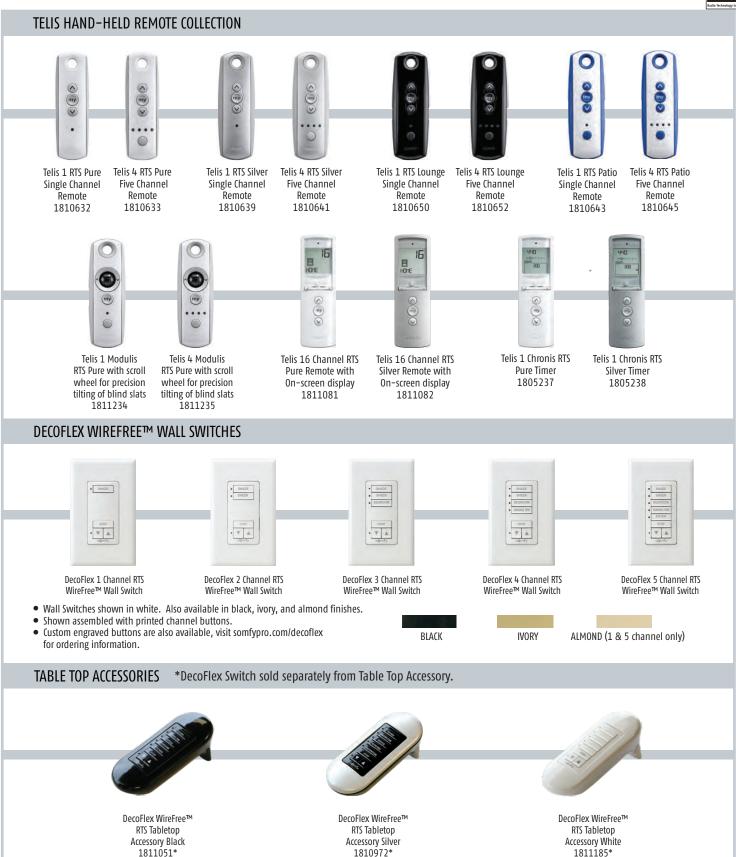
SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTERS	SHAFT ADAPTERS		
1.5" x 2.25" (38mm x 57mm) Low Profile Headrail		Low Profile Headrail Adapter 9014528	5.6mm Hexagonal Adapter 9014535	D Rod Adapter 9014536	4mm Square Adapter 9014540
1.5″ x 2.25″ (38mm x 57mm) Low Profile Graber®/Bali® (SureClose™)					
2″ x 2.25″ (51mm x 57mm) Gutter Rail		Gutter Rail Headrail Adapter 9014529			



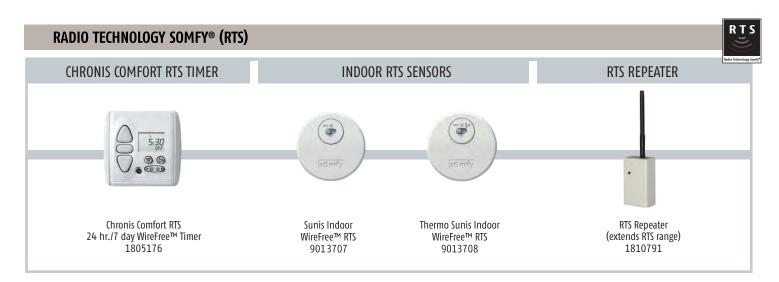
RADIO TECHNOLOGY SOMFY® (RTS)

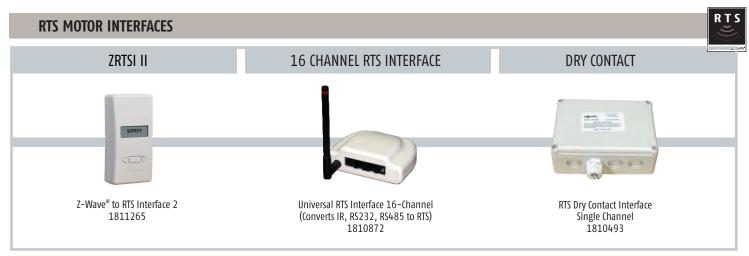


1811185*



1811051*





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

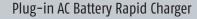
WIREFREE™ SOLAR PACK AND ACCESSORIES

Solar Recharge Kit



(Includes: Solar panel, reloadable battery tube, 4 panel mounting brackets, 2 battery clips, "Y" harness and glass mount adhesive) 9019034 Also available with batteries 9019235

Replacement NiMH Battery with Tube





9015624



Required for charging battery prior to installation 9015781

Extension Cables

For connection to "Y" harness



24" extension cable - 9016374



48" extension cable - 9016736

Mounting Clips for Battery Tubes



9013263

Solar Panel Mounting Bracket Kit



9015897

BATTERIES AND ACCESSORIES

Single 12V Reloadable Battery Tube

1' '•-'\

- For use with all 12V DC WireFree™ motors
- Requires reloadable battery tube and 8 AA lithium batteries

9014020

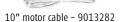
Dual 12V Reloadable Battery Tube Harness



- Used to connect 2 12V DC reloadable battery tubes to extend battery life
- For use with all 12V DC WireFree™ motors

9015580

Motor Cables



48" motor cable - 9013279



96" motor cable - 9013277

4 AA Lithium Battery Package



(2 needed for battery tube #9014020) 9013231

8 AA Lithium Battery Package



(for battery tube #9014020) 9014834

Mounting Clips for Battery Tubes



9013263

TRANSFORMERS AND ACCESSORIES

12V DC Plug-in Transformer

12V DC 10A Din Rail Mount Power Supply

14" Din Rail for Power Supply



1822192



9014246



9011975

DECOFLEX RTS AND DECOFLEX SDN

Button Engraving Order Form

(Does not include switch. Contact sales group for DecoFlex switch options)

	Customer Name: Customer #:
SHIPPING	Shipping Information Project Information Ship To: Default Shipping Address
STYLE	Button Color WHITE IVORY BLACK ALMOND RTS Somfy Digital Network (SDN) RS485 # 9018259 # 9018260 # 9018261 # 9018262
ENGRAVING OPTIONS	Buttons (A-F) 9 Characters Maximum (including spaces) Qty. A B C Designated channel buttons (F) Stop/My command only (H) "UP" command (G) "DOWN" command (G) "DOWN" command
ENG	*F: Command Button by default is labeled as STOP on the DecoFlex RTS Switch only NOTE: G and H buttons by default are labeled as follows: (G = down ▼ icon): WHITE - # 9018263, IVORY - # 9018264, BLACK - # 9018265, ALMOND - # 9018266 (H = up ▲ icon): WHITE - # 9018267, IVORY - # 9018268, BLACK - # 9018269, ALMOND - # 9018270 If you prefer they can be substituted with an associated command NAME (UP, DOWN, LOWER, etc) up to 5 characters. Engraving Options - Default option will be used if nothing is selected Character Types (choose one) ALL LETTERS CAPITALIZED (Default) First Letters Capitalized As written in above section
	Payment terms of your account will apply. All engraved switches are custom made and are non-cancellable. Please send form to: Fax # 609-495-8117 or E-mail to: Ordering_us@somfy.com

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All specifications are subject to change.

