

WireFree[™] Databook





Somfy is the leading global manufacturer of strong, quiet motors with electronic and app controls for interior and exterior window coverings. Over 270 million users worldwide enjoy the more than 150 million motors produced since 1980. For more than four decades, Somfy engineers 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 Technical Support_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 78 subsidiaries, and 52 agencies spread across 5 continents. With 8 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 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.somfysystems.com to learn more and sign up for training.

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

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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 powered motors. For additional information regarding any of the products in this document including motors, power sources, controls, interfaces etc., please visit www.somfysystems.com/wirefree, 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 users 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, table top and app controls
- Automatic timer and sun controls
- Easily integrates with third party control systems

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





RTS

Offers control via Radio Technology Somfy® (RTS)

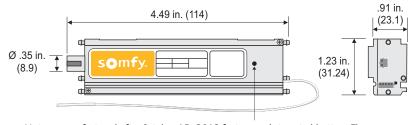


Technical features

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)



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

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





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.

Shade compressed less 1/4"

Shade fully compressed

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



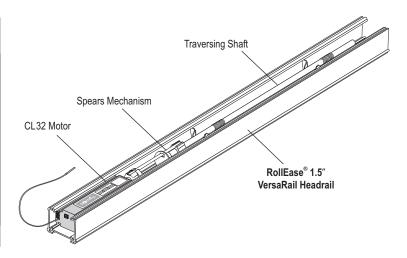
Performances Cord Lift WireFree™

Voltage	12V DC
Torque	.34 Nm
Thermal Protection	2.5 minutes
Over Current Protection	1.2 Amps
Sound Level	53 dBA
Speed	68 rpm
Radio Frequency for RTS	433.42 MHZ

Cord Lift WireFree™ RTS Hardware Systems and Accessories

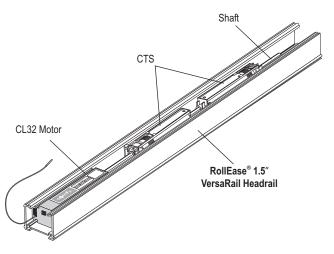
CL32 Traversing Shaft Systems

SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTORS	SHAFT ADAPTOR
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



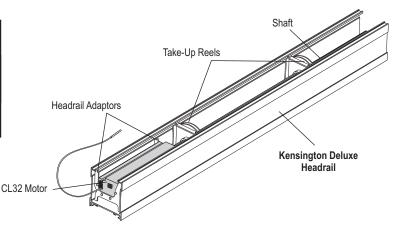
CL32 (CTS) Cone Systems

SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTORS	CTS (Cord Take-Up)	SHAFT TYPE	SHAFT ADAPTOR
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 TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTORS	SHAFT ADAPTOR
Kensington Deluxe		HI	
	, ,	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

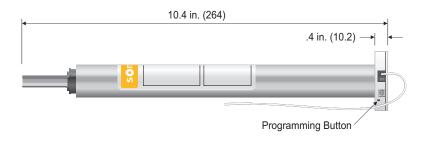
Temperature Working Range	32°F to 140°F	(0°C to 60°C)

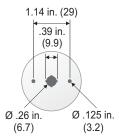
Insulation Class	Class III
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Antenna

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

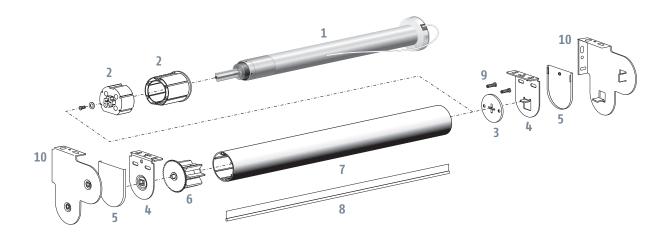
Fabrication Recommendations

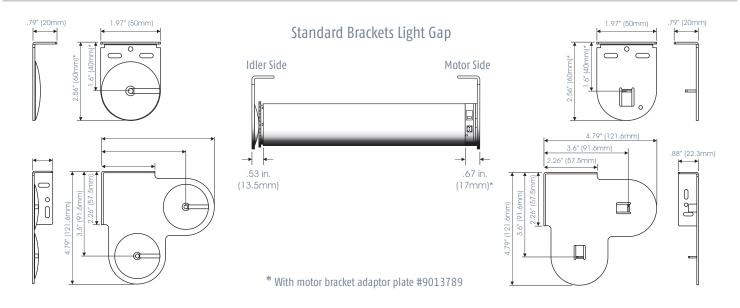
- Minimum roller tube inside diameter is > 30mm.
- Aluminum tubes required (steel tubes will interfere with motor performance).
- Somfy requires Energizer[®] Lithium batteries #L91 that provide patented safety protection.



Roll Up WireFree™ Hardware Systems Acmeda® System

STANDARD BRACKET COMPONENTS

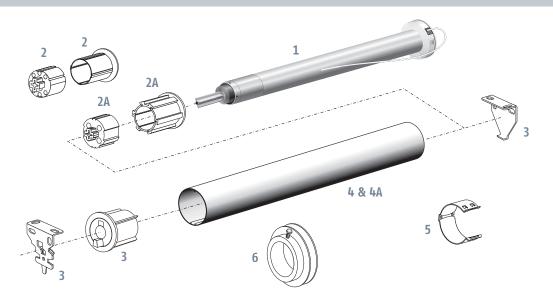




PRODUCT CHART				
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	LT30 RTS MOTOR	1001683		
2	CROWN & DRIVE PACK 44mm TUBE (ACMEDA® TYPE)	9015288		
3	MOTOR BRACKET ADAPTOR PLATE (ACMEDA® TYPE)	9013789		
4	MOTOR & IDLER BRACKET KIT 40P (ACMEDA® TYPE)	9013778		
5	PLASTIC BRACKET COVER 40P KIT (ACMEDA® TYPE)	9013780		
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

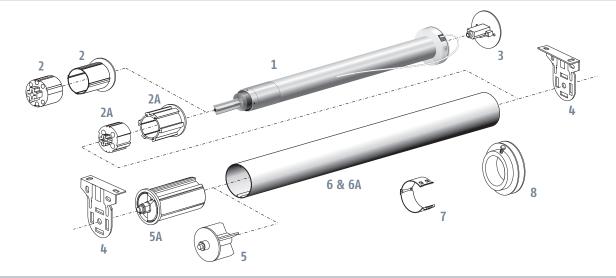


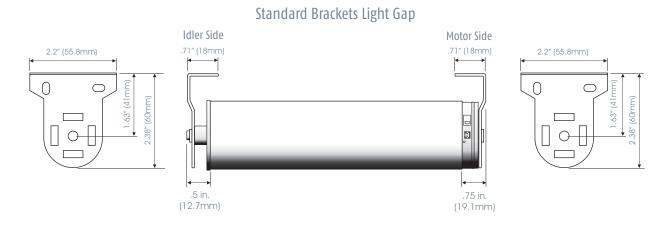


PRODUCT CHART			
IMAGE	DESCRIPTION	CATALOG NUMBER	
1	LT30 RTS MOTOR	1001683	
2	CROWN AND DRIVE PACK (FOR ROIIEase® 1.25" TUBE)	9013487	
2A	CROWN AND DRIVE PACK (FOR RollEase® 1.5" TUBE)	9013488	
3	ROIIEase® 1.5" PROJECTION BRACKET KIT R8 SERIES	Contact RollEase®	
4	RollEase® 1.25" TUBE	Contact RollEase®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

Roll Up WireFree™ Hardware Systems RollEase® Skyline

STANDARD BRACKET COMPONENTS

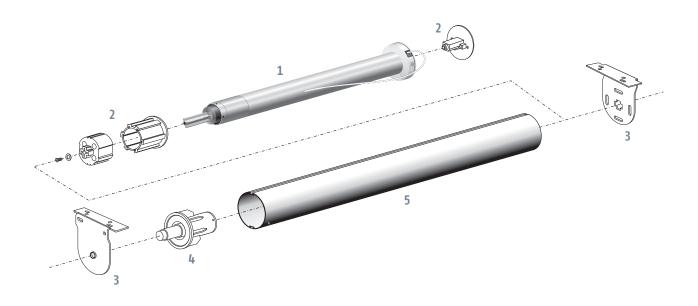


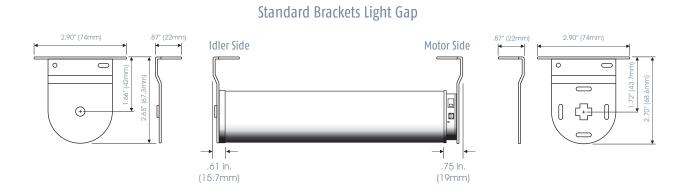


PRODUCT CHART			
IMAGE	DESCRIPTION	CATALOG NUMBER	
1	LT30 RTS MOTOR	1001683	
2	CROWN AND DRIVE (FOR RollEase® 1.25" TUBE)	9013487	
2A	CROWN AND DRIVE (FOR RollEase® 1.5" TUBE)	9013488	
3	MOTOR BRACKET ADAPTOR PLATE	9016377	
4	SKYLINE SERIES BRACKETS 1.5" PROJECTION (RollEase®)	9017910	
5	SKYLINE SERIES 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

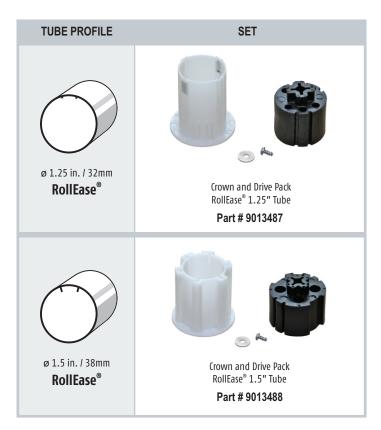
STANDARD BRACKET COMPONENTS

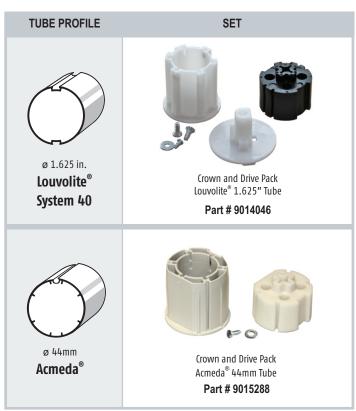




PRODU	PRODUCT CHART			
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	Lt30 RTS MOTOR	1001683		
2	CROWN AND DRIVE PACK WITH WASHER & SCREW & MOTOR BRACKET ADAPTOR PLATE (FOR LOUVOLITE® SYSTEM 40)	9014046		
3	MOTOR & IDLER BRACKET KIT (FOR LOUVOLITE® SYSTEM 40)	9013715		
4	COLLAPSIBLE END PLUG (FOR LOUVOLITE® SYSTEM 40)	9013716		
5	LOUVOLITE® 40mm TUBE	CONTACT LOUVOLITE®		

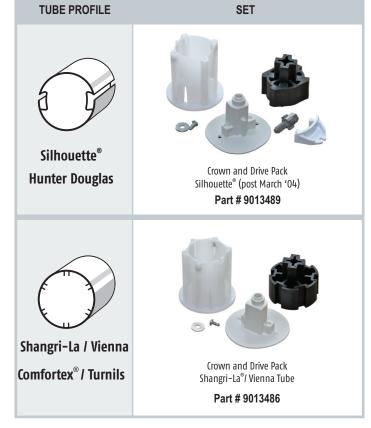
Roll Up WireFree™ Crowns & Drives





SPECIALTY APPLICATIONS - Crown and drives may not be suitable for all applications.

TUBE PROFILE





SET

Tilt WireFree™ RTS

Part # 1000678



Applications



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

2" Horizontal Blinds



Offers control via Radio Technology Somfy® (RTS)



Technical features

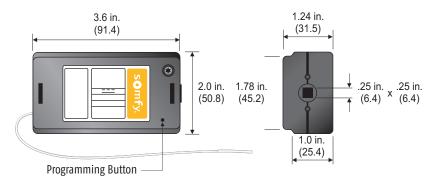
Voltage Supply	DC
Index Protection Rating	IP 30
Limit Switch Type	Electronic

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.
Sound Level	44 dBA at 5 rpm with rubberized headrail adaptor
Speed	12 rpm
Slow Speed Option	5 rpm

Fabrication Recommendations

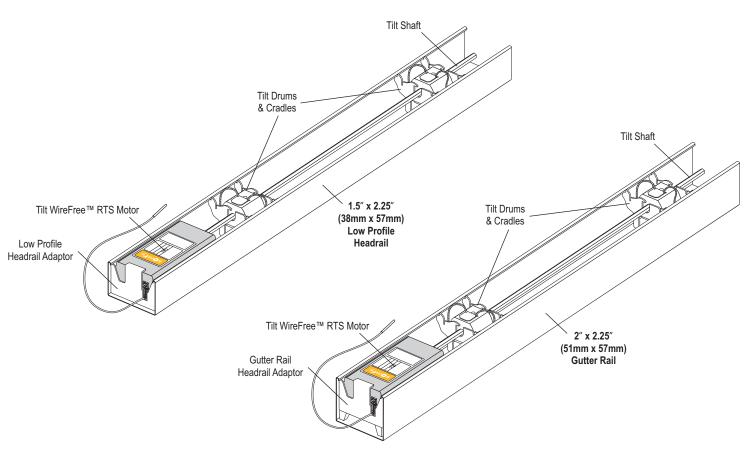
• Somfy requires Energizer® Lithium batteries #L91 that provide patented safety protection.



Tilt WireFree™ RTS Hardware Systems and Accessories

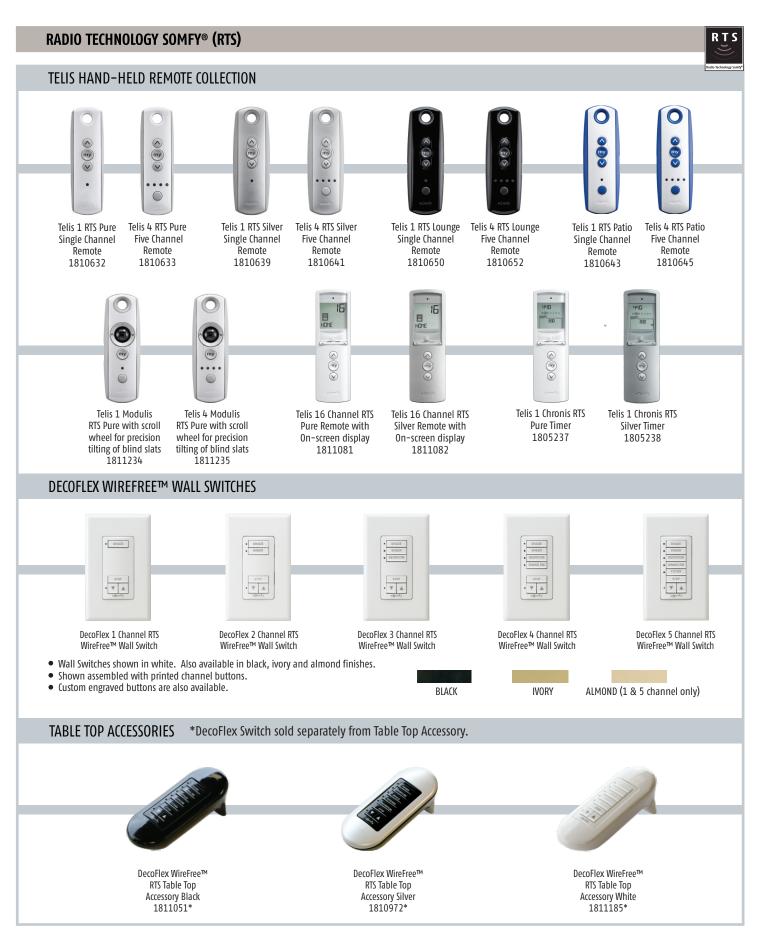
TILT WIREFREE™ RTS COMPONENTS

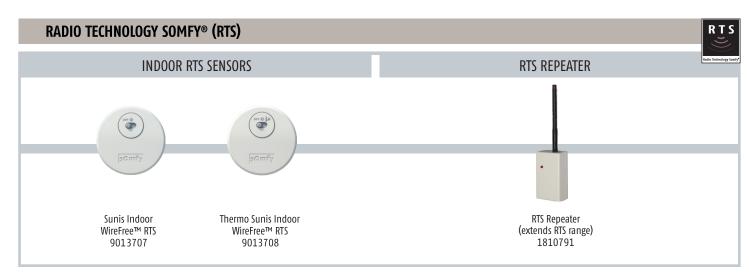
SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTORS		SHAFT ADAPTORS	
1.5" x 2.25" (38mm x 57mm) Low Profile Headrail		Low Profile Headrail Adaptor 9014528	5.6mm Hexagonal Adaptor 9014535	D Rod Adaptor 9014536	4mm Square Adaptor 9014540
1.5″ x 2.25″ (38mm x 57mm) Low Profile Graber®/Bali® (SureClose™)				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

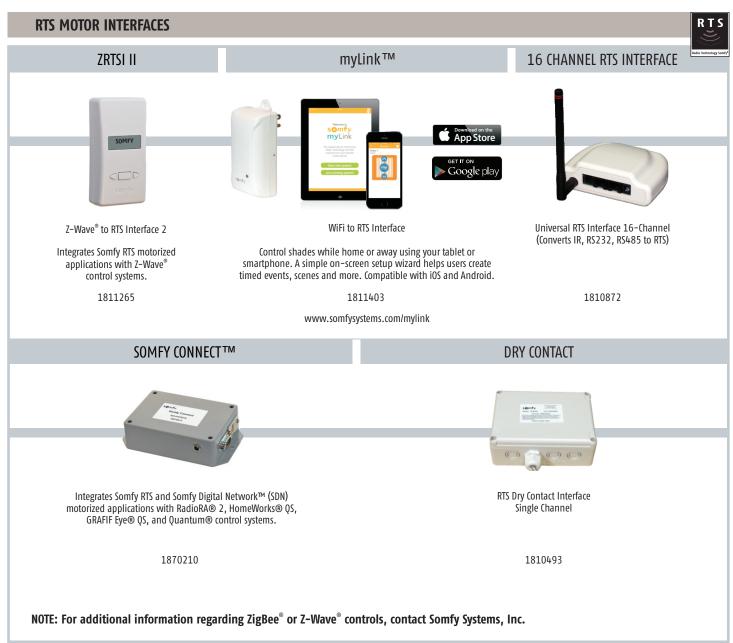


WireFree™ Control Accessories

Learn more about controls and accessories and download the RTS brochure at www.somfysystems.com/controls







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)

Complete with 10 Ni-MH Batteries 9019235

Ni-MH Rechargeable Battery Tube Only



9018684

■ Requires 10 Ni-MH batteries

Plug-in AC Battery Rapid Charger



0015781

Required for charging Ni-MH batteries prior to installation

Includes adaptor cable #9018687 for use with Battery NIMH tube and solar kit

Extension Cables



- For connection to "Y" harness
- For connection to all battery tubes

Mounting Clips for Battery Tubes



9013263 (Included with solar kit)

Solar Panel Mounting Bracket Kit



9015897 (Included with solar kit)

BATTERIES AND ACCESSORIES

Single 12V DC Reloadable Battery Tube

9014020

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

Dual 12V DC Reloadable Battery Tube "Y" Harness



9015580

(For use with CT32, LT30 & Tilt motors only)



9018625

(For use with CL32 motors only)

- Used to connect (2) 12V DC reloadable battery tubes to extend battery life
- For use with lithium battery wands only

Motor Cables





■ For use with CT32 & IT30 & Tilt meters only

96" - 9013277

 For use with CT32 & LT30 & Tilt motors only (Not for use with "Y" harness)

4 AA Lithium Battery Package

8 AA Lithium Battery Package

10 PACK Ni-MH Batteries

Mounting Clips for Battery Tubes



(2 needed for battery tube #9014020)



9014834 (for battery tube #9014020)



9018621 (for solar kit #9019034 & battery tube #9018684)



901326:

TRANSFORMERS AND ACCESSORIES

12V DC Plug-in Transformer



1822192 For use with CT32 & LT30 & Tilt motors only



1822445
For use with CL32 motors only

12V DC 10A Din Rail Mount Power Supply



9018760 (for hard-wired installation)

14" Din Rail for Power Supply



9011975

DECOFLEX RTS AND DECOFLEX SDNButton Engraving Order Form

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

	Customer Name:	Customer #:	
SHIPPING	Shipping Information Ship To: Default Shipping Address Drop Ship Name: Address: City: State: Zip: Phone:	Project Information Project Name:	
STYLE	Button Color WHITE	Switch Type RTS Somfy Digital Network (SDN) RS485	
RAVING OPTIONS	Buttons (A-F) 9 Characters Maximum (in A B C Designated channel buttons E (F) Stop/My command only (H) "UP" command (G) "DOWN" command H B C C C C C C C C C C C C C C C C C	DECOFLEX SDN Acluding spaces) Qty. (A-H) Programmable function buttons E F G H Somfy.	
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	et Letters Capitalized As written in above section	
SOME	Paylanentetetrites no signo access constructive i bing ply. All Alignagred solvit white share access constructed and a deade ano mode recent text lable. Please so not not for two: 16a x # x 6 # 96 49 54 8 54 8 71 1 7 r @ - n Eath to i; 10 r Quintegings @ n 6 y n		

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