WireFree™

Databook





Why Somfy?



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 motoization systems are easily integrated with security, HVAC and lighting systems, providing total home or building automation.

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 60 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 provides a platform for those who want to enhance their expertise of motorization and control solutions. Visit www.somfysystems.com/expert-program to learn more.

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Louvolite® is a registered trademark of Louver-lite Limited.

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.

RadioRA® 2, HomeWorks® QS, GRAFIK Eye® QS, and Quantum® are a registered trademark of Lutron Electronics Inc.

Energizer® is a registered trademark of Energizer Battery Company, Inc.

Z-Wave® is a registered trademark of Zensys, Inc. and its subsidiares.

ZigBee® is a registered trademark of ZigBee Alliance.

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.

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

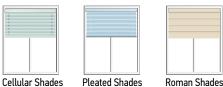
Part # 1002422





Offers control via Radio Technology Somfy® (RTS)

Applications





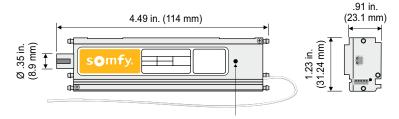
Technical Features

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

Temperature Working 32°F to 140°F (0°C to 60°C) Range 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 ontimal r	performance. Antenna wire must not he cut

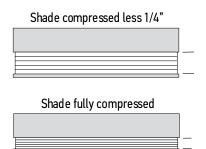
Dimensions - in. (mm)



Reset and programming tool (#9013291) is no longer required or operational.

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.



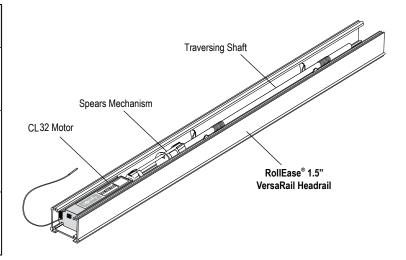
Performances Cord Lift WireFree™ CL32 RTS

Voltage	12V DC
Torque	0.34 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™ CL32 RTS Hardware Systems and Accessories

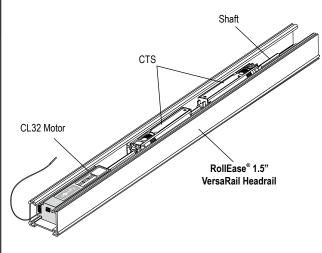
CL32 Traversing Shaft Systems

SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL Adaptors	SHAFT ADAPTOR
Rollease® 1.5" VersaRail		Not Required	9013283
*Graber®/Bali® EasyUp	1	9013288	Available through Springs Window Fashions only
*Levolor/Kirsch Accordia (cord loop)		Available through Kirsch/Levolor only	9013283



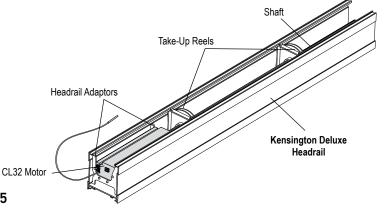
CL32 (CTS) Cone Systems

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 (CTS) Take-up Reel Systems

SYSTEM TYPE	HEADRAIL PROFILE	HEADRAIL ADAPTORS	SHAFT ADAPTOR
Kensington Deluxe		H	
		9013443	9013284



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

Roll Up WireFree™ R28 RTS

Part # 1002481





Offers control via Radio Technology Somfy® (RTS)

Applications











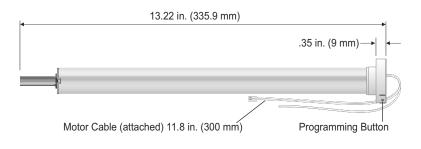
Technical Features

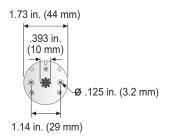
Voltage Supply	DC
Index Protection Rating	IP 20
Limit Switch Type	Electronic
Limit Switch Capacity	110 Turns

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

Insulation	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™ R28 RTS

Voltage	12V DC
Torque	1.1 Nm
Thermal Protection	2.5 minutes
Over Current Protection	2 amps
*Sound Level	48 dBA - 56dBA
Speed	28 rpm
Radio Frequency for RTS	433.42 MHZ

^{*} According to standards ISO 3741 NF 31022 in dB(A) ref. IOW

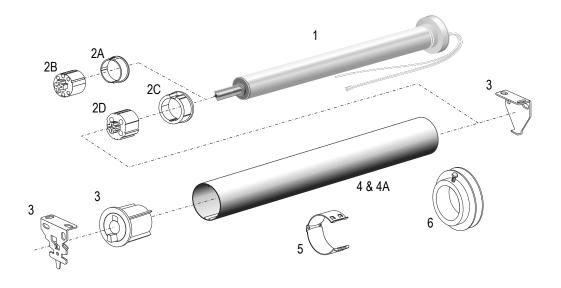
Fabrication Recommendations

- Minimum roller tube inside diameter is 26.6 mm.
- Aluminum or steel tubes can be used.
- Somfy requires Energizer® Lithium batteries #L91 that provide patented safety protection.

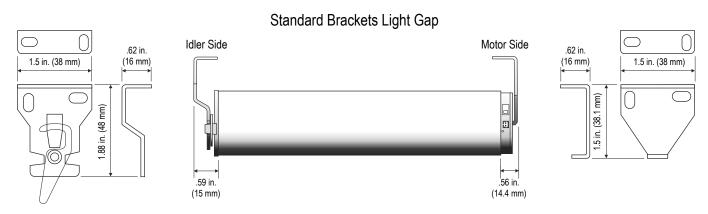


Roll Up WireFree™ R28 RTS Hardware Systems RollEase® R-Series & ZMC XR-Series

STANDARD BRACKET COMPONENTS



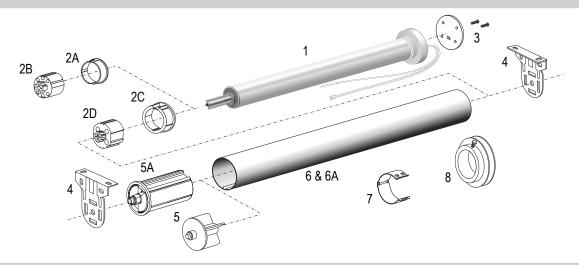
DIMENSIONS AND LIGHT GAP SPECIFICATIONS



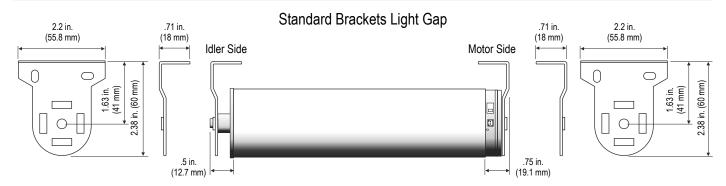
PRODUCT CHART				
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	ROLL UP WIREFREE™ R28 RTS	1002481		
2A	CROWN (FOR ROLLEASE® 1.25" TUBE)	9018474		
2B	DRIVE (FOR ROLLEASE® 1.25" TUBE)	9018476		
2C	CROWN (FOR ROLLEASE® 1.5" TUBE)	9018475		
2D	DRIVE (FOR ROLLEASE® 1.5" TUBE)	9018477		
3	ROLLEASE® 1.5" PROJECTION BRACKET KIT R8 SERIES & ZMC 1.5" PROJECTION XR-SERIES BRACKETS	Contact Somfy/ZMC		
4	ROLLEASE® 1.25" TUBE & ZMC 1.25" Z-TUBE	Contact Somfy/ZMC		
4A	ROLLEASE® 1.5" TUBE	9017913		
4A	ZMC 1.5" Z-TUBE	Contact ZMC		
5	CORD CLIPS (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE)	9012200		
6	TAKE-UP REEL (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE)	1780786		

Roll Up WireFree™ R28 RTS Hardware Systems RollEase® Skyline & ZMC XL-Series

STANDARD BRACKET COMPONENTS



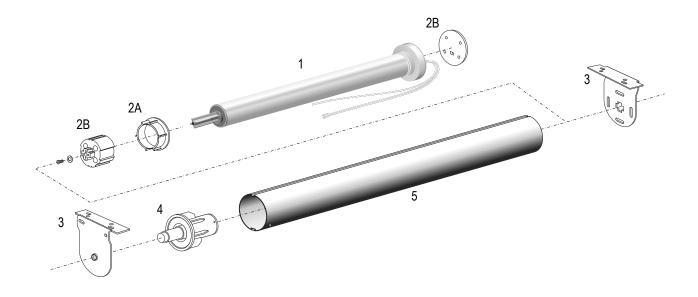
DIMENSIONS AND LIGHT GAP SPECIFICATIONS



PRODUCT CHART				
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	ROLL UP WIREFREE™ R28 RTS	1002481		
2A	CROWN (FOR ROLLEASE® 1.25" TUBE & ZMC 1.25" Z-TUBE)	9018474		
2B	DRIVE (FOR ROLLEASE® 1.25" TUBE & ZMC 1.25" Z-TUBE)	9018476		
2C	CROWN (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE)	9018475		
2D	DRIVE (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE)	9018477		
3	MOTOR ADAPTOR PLATE FOR ROLLEASE® SKYLINE BRACKETS W/SCREWS & ZMC XL BRACKET	9016378		
4	SKYLINE SERIES BRACKETS 1.5" PROJECTION (ROLLEASE®) (2 REQUIRED)	9017910		
4	XL-SERIES BRACKETS 1.5" PROJECTION (ZMC) (1 PAIR REQUIRED)	Contact ZMC		
5	SKYLINE SERIES IDLER END PLUG (FOR ROLLEASE® 1.25" TUBE)	Contact Somfy		
5A	SKYLINE SERIES HEAVY DUTY IDLER END PLUG (FOR ROLLEASE® 1.5" TUBE)	9017912		
5A	XL-SERIES IDLE END (FOR ZMC 1.25" Z-TUBE)	Contact ZMC		
6	ROLLEASE® STYLE 1.25" TUBE & ZMC 1.25" Z-TUBE	Contact Somfy/ZMC		
6A	ROLLEASE® STYLE 1.5" TUBE	9017913		
6A	ZMC 1.5" Z-TUBE	Contact ZMC		
7	CORD CLIPS (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE)	9012200		
8	TAKE-UP REEL (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE)	1780786		

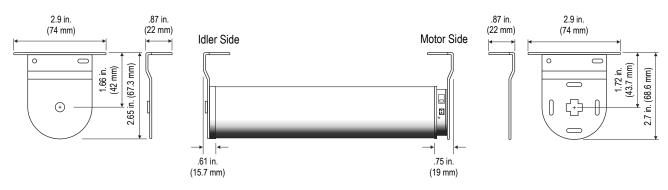
Roll Up WireFree™ R28 RTS Hardware Systems Louvolite® System 40 & ZMC RS-Series

STANDARD BRACKET COMPONENTS



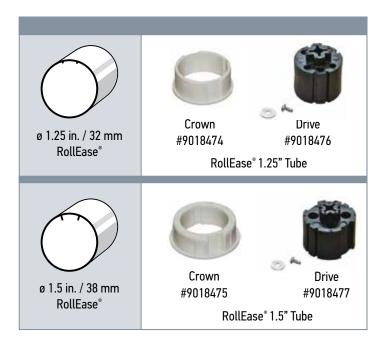
DIMENSIONS AND LIGHT GAP SPECIFICATIONS

Standard Brackets Light Gap



PRODUCT CHART				
IMAGE	DESCRIPTION	CATALOG NUMBER		
1	ROLL UP WIREFREE™ R28 RTS	1002481		
2A	CROWN (FOR LOUVOLITE 1 5/8" TUBE & ZMC 1.5" RS-TUBE)	9018588		
2B	DRIVE (FOR LOUVOLITE 1 5/8" TUBE & ZMC 1.5" RS-TUBE) INCLUDES MOTOR ADAPTOR PLATE	9018598		
3	MOTOR & IDLER BRACKET KIT (FOR LOUVOLITE® STYLE SYSTEM 40 & ZMC RS-SERIES)	9013715		
4	COLLAPSIBLE END PLUG (FOR LOUVOLITE® STYLE SYSTEM 40 & ZMC RS-SERIES)	9013716		
5	LOUVOLITE® STYLE 40 MM TUBE & ZMC 1.5" RS-TUBE	Contact Somfy/ZMC		

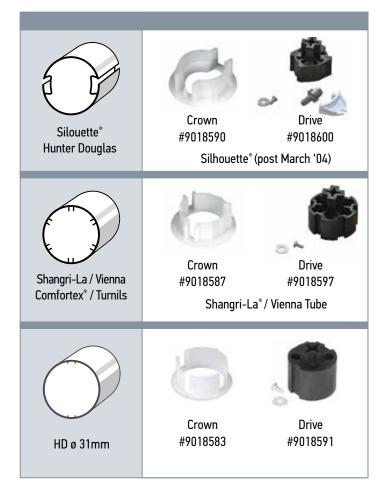
Roll Up WireFree™ R28 RTS Crowns & Drives





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

NOTE: Please confirm manufacturers current tube profile corresponds to illustrations shown.





Tilt 50 WireFree™ RTS

Part # 1002822



RTS Radio Technology Somfy*

Offers control via Radio Technology Somfy® (RTS)

Applications



- Tilt only
- Features Somfy patented Modulis control, capable of precision tilting of blind slats.

Technical Features

Voltage Supply	DC
Index Protection Rating	IP 20
Limit Switch Type	Electronic

somfy.

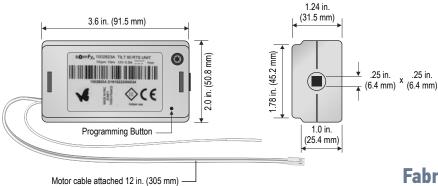
Temperature Working Range 32°F to 140°F (0°C to 60°C)

Insulation 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 50 WireFree™ RTS

Voltage	12V DC
Torque	.6 Nm
Sound Level	44 dBA at 5 rpm with rubberized headrail adaptor
Speed	10 rpm
Slow Speed Option	5 rpm

Fabrication Recommendations

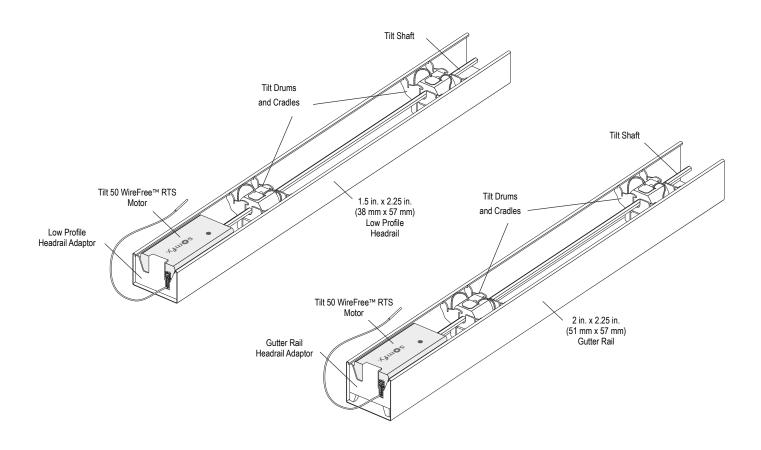
- Steel or aluminum headrails can be used.
- Headrail adaptor is required.
- Somfy requires Energizer® Lithium batteries #L91 that provide patented safety protection.



Tilt 50 WireFree™ RTS Hardware Systems and Accessories

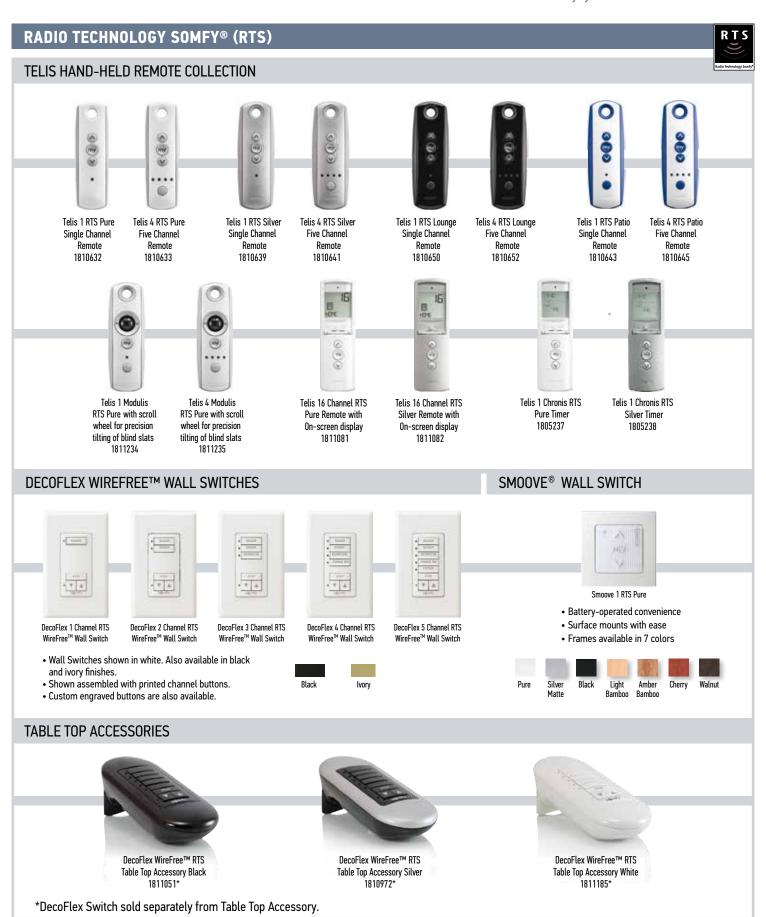
TILT 50 WIREFREE™ RTS COMPONENTS

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



WireFree Control Accessories

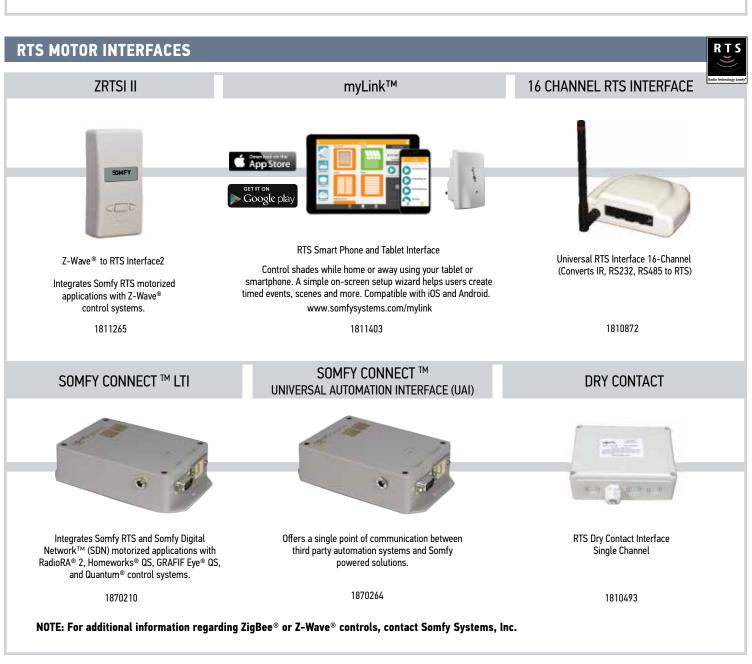
Learn more about controls and accessories and download the RTS brochure at www.somfysystems.com/controls



WireFree Control Accessories

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





WireFree Power Accessories

WIREFREE ACCESSORIES

Solar Recharge Kit

Ni-MH Rechargeable Battery Tube Only

Plug-in AC Battery Rapid Charger



(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



9018684

Requires 10 Ni-MH batteries For use with battery charger #9018620

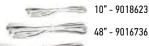


9018620

Required for charging Ni-MH batteries prior to installation For use with solar kit #9019034/9019235

and battery Ni-MH tube #9018684

Extension Cables



48" - 9016736

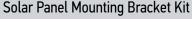
96" - 9018624

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

Mounting Clips for Battery Tubes



For use with solar kit #9019034/9019235 and battery Ni-MH tube #9018685





9015897 (Included with solar kit)

BATTERIES AND ACCESSORIES

Single 12V DC Reloadable Battery Tube

9018685

- 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



9018625

- Used to connect (2) 12V DC reloadable battery tubes to extend battery life
- For use with 2 lithium battery wands only (9018685)

4 AA Lithium Battery Package

8 AA Lithium Battery Package Tubes

10 PACK Ni-MH Batteries

Mounting Clips for Battery Tubes



9013231 (2 needed for battery tube #9014020)



9014834 (for battery tube #9014020)



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



Included with battery tube #9018685

TRANSFORMERS AND ACCESSORIES

12V DC Plug-in Transformer



1822445 For use with R28, CL32 and T0/50 motors

12V DC 10A Din Rail Mount Power Supply



9018760 (for hard-wired installations)

14" Din Rail for Power Supply



DECOFLEX RTS AND DECOFLEX SDN

Button Engraving Order Form

	Customer Name:	Customer #:		
SHIPPING	Shipping Information Ship to: Default Shipping Address Drop Ship Name: Address: City: State: Zip: Phone:	Project Information Project Name: Installer Name/Company: P/0 #: Order #: Area: Room:		
STYLE	Button Color WHITE IVORY BLACK #9018261 #9018259 #9018260 #9018261	Switch Type RTS Somfy Digital Network™ (SDN) RS485		
ENGRAVING OPTIONS		C D D E F G H SOMEY. Ch only. ACK - #9018265 ACK - #9018269		
All	ALL LETTERS CAPITALIZED (Default) First Letters Capitalize yment terms of your account will apply. engraved switches are custom made and are non-cancellable. ease send form to: Fax # 609-495-8117 or e-mail to: Ordering_us			

SOMFY SYSTEMS INC 121 Herrod Blvd.

121 Herrod Blvd. Dayton, NJ 08810 Phone: (800) 22-SOMFY NJ: (609) 395-1300 Fax: (609) 495-8118 somfysystems.com Florida

6100 Broken Sound Pkwy. N.W., Suite 14 Boca Raton, FL 33487 Phone: (877) 227-6639 Fax: (561) 995-7502 California

15291 Barranca Parkway Irvine, CA 92618-2201 Phone: (877) 727-6639 Fax: (949) 727-3775 SOMFY ULC SOMFY Canada Division

5178 Everest Drive Mississauga, Ontario L4W2R4 CN: (905) 564-6446 Fax: (905) 238-1491

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 by Somfy. During the past 40+ years, 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.

SOMFY SYSTEMS INC SOMFY NORTH AMERICAN HEADQUARTERS

121 Herrod Blvd.
Dayton, NJ 08810
T: (800) 22-SOMFY (76639)
NJ: (609) 395-1300
F: (609) 395-1776

FLORIDA

6100 Broken Sound Pkwy. N.W. Suite 14 Boca Raton, FL 33487 T: (800) 22-SOMFY (76639) F: (561) 995-7502

CALIFORNIA

15291 Barranca Parkway Irvine, CA 92618-2201 T: (800) 22-SOMFY (76639) F: (949) 727-3775

SOMFY ULC SOMFY Canada Division

5178 Everest Drive Mississauga, Ontario L4W2R4 T: 1-800-66-S0MFY (76639) CN: (905) 564-6446 F: (905) 238-1491

www.somfysystems.com

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