

ROLL UP 28 WIREFREE™ RTS V2 (LI-ION) ROLL UP 28 WIREFREE™ RTS V2 (EXTERNAL BATTERY)

Latest design technology

Featuring innovative power options

Improved motor design is the culmination of Somfy's new Roll Up 28mm motor range. Available with a built-in, rechargeable lithium-ion battery or external power options, the new 28mm series is ideal for most mid-to-large size window shading applications.



Main features & benefits:

- Improved sound level
- Recessed programming button
- LED low battery indicator
- Removeable charging cable (*Li-ion only*)
- Built-in lithium-ion rechargeable battery option
- Shorter motor length to increase opportunities
- Speed regulation
- Adjustable speed (10-28 RPM)
- Soft start/stop
- Compatible with solar charging options
- High level of ESD immunity
- Operates with simple voice commands using TaHoma® or myLink™ and Amazon Alexa or Google Home

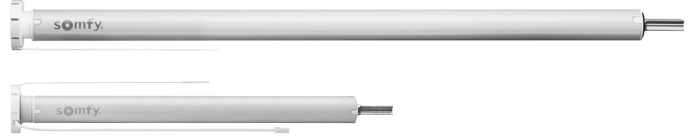
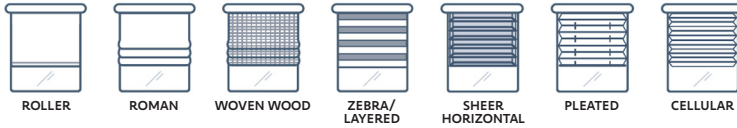


ROLL UP 28 WIREFREE™ RTS V2 (LI-ION)

ROLL UP 28 WIREFREE™ RTS V2 (EXTERNAL BATTERY)

Li-ion: Ref. 1241150, External Battery: Ref. 1241162

Application Scope



Main Functionalities

- For medium size shades 1.1Nm Torque
- Battery operated motor
- Sleep mode
- Soft start and soft stop
- LED information feedback
- Adjustable speed
- Compatible with Situio® Variation
- Built-in speed control

Technical Features

Nominal voltage	12V DC	Maximum distance between motor and power source	33ft. (10 m) if used with power supply 13.2ft. (4 m) if used with battery source
Power supply tolerances (External Battery only)	9.5V DC - 16.5V DC	Removable cable	(Li-ion YES) (External Battery NO)
Cable	AWG 22 (External Battery) AWG 24 (Li-ion)	Temperature working range	32F -140 F (0°C - 60°C)
Protection against polarity reversal	Yes	Temperature storage range	-4F- 140F (20°C - 60°C)
Index protection rating	IP 20 - For indoor use only	Insulation class	Class III
Protection from axis stall	Yes	Antenna	17.5cm wire length, must not be cut or lengthened. For greatest RF range, must be exposed and should not come in contact with metal surfaces. RF wire may need to be repositioned for optimal performance.
Type of limit switch unit (LSU)	Electronic, encoder based		
Capacity of the LSU	200 turns		
Minimum distance between limits	1 turn		
Capacity of memory	12 transmitters, internal sensors		

Specifications

Key specifications

Nominal torque	1.1Nm
Nominal speed	20±2 rpm*
Adjustable speed	10 to 28 rpm
Typical Sound Level	<54 dB(A)**

Electrical

Battery Capacity	2600 mAh
RollUp28WireFree™ RTS V2 (Li-ion)	

Radio

Radio frequency	433.42 MHz
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Certifications



Performance

ESD reinforced immunity	Air: up to 17kV - Contact: up to 17kV
Autonomy	Recharge once per year (based on an average shade size and one cycle per day)
Roll Up 28 WireFree™ RTS V2 (Li-ion)	

Miscellaneous

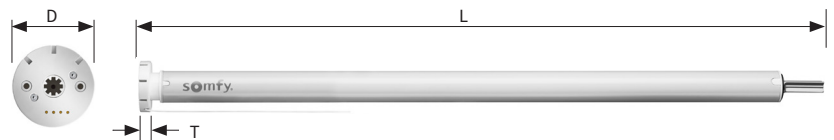
Weight	Li-ion: 1.21lb (.55kg) External Battery: .66lb (.3kg)
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* At nominal torque & room temperature (25°C)

** Power Level: - measurements according to standards ISO 3741 in dB(A) ref 1pW, at nominal torque and nominal speed, between 20°C and 35°C
- value: highest typical value between Up direction and Down direction

Dimensions

Motor overall length	L	Li-ion: 21.38 in (543mm) External Battery: 12.83 in (326mm)
Head thickness	T	.36 in (9 mm)
Head diameter	D	1.73 in (44 mm)



Limitations

- For interior use only
- Warning: end cap friction above 20% will impact the expected autonomy
- Minimum tube diameter (int.): 1.05 in. (26.6mm)
- Maximum tube diameter (ext.): 1.97 in. (50mm)
- Maximum static load to be applied on the motor head: 15 lb (7kg)