

Quiet, Wireless Comfort and Convenience

For smaller windows

The new Sonesse® 28 WireFree RTS External Battery motor is the most recent addition to the Designed for Silence wirefree motor range. Its improved sound level provides the ultimate in quiet performance, perfect for today's decorative shading solutions, while its compact size allows for motorization of smaller windows!



Main features & benefits:

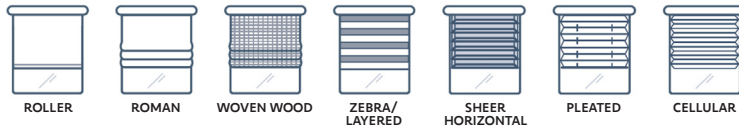
- Designed for Silence
- Recessed programming button
- Improved, smaller diameter head design
- Compact for smaller window openings
- LED low battery indicator
- Smooth motion with adjustable speed control
- Compatible with Situo® Variation for precise control of sheer and layered shades
- Solar charging option
- Optional plug-in power supply
- ESD immunity ideal for zebra/layered shades
- Operates with simple voice commands using myLink™ and Amazon Alexa or Google Home through IFTTT



SONESSE® 28 WIREFREE RTS

Ref. 1241230

Application Scope



Main Functionalities

- Designed for Silence
- Soft start and soft stop
- Compatible with Situio® Variation functions
- Battery operated motor
- Information feedback (LED)
- Tilting capable
- Adjustable speed
- Built-in speed control

Technical Features

Nominal voltage	12 VDC	Maximum distance between motor and power source	33 ft. (10 m) if used with Plug-in power supply 13.2 ft. (4 m) if used with battery source
Power supply tolerances	9.5VDC - 16.5VDC	Removable cable	No
Cable	AWG22 - 2 wires	Temperature working range	32°F to 140°F (0°C - 60°C)
Protection against polarity reversal	Yes	Temperature storage range	-4°F to 140°F (-20°C - 60°C)
Index protection rating	IP 20 - For indoor use only	Insulation class	Class III
Type of limit switch unit (LSU)	Electronic, encoder based	Antenna	17.5 cm 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.
Capacity of the LSU	200 turns		
Minimum distance between limits	1 turn		
Capacity of memory	12 transmitters, interior sensors		

Specifications

Key specifications

Nominal torque	1.1Nm
Nominal speed	20±2 rpm *
Adjustable speed	10 to 28 rpm
Typical Sound Level	<49dB(A) **

Radio

Radio frequency	433.42 MHz
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Certifications



Performance

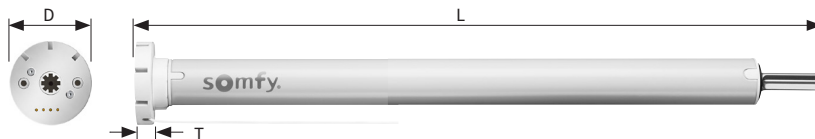
ESD reinforced immunity	Air: up to 17kV - Contact: up to 17kV
Autonomy	Recharge once per year (based on an average shade size and one cycle per day)

* 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	13.7 in. (347 mm)
Head thickness	T	.36 in. (9 mm)
Head diameter	D	1.73 in. (44 mm)



Limitations

For interior use only

Warning: idler end pin friction above 20% will impact the expected autonomy

Minimum roller tube diameter (ID): 1.05 in. (26.6 mm)

Maximum roller tube diameter (OD): 1.97 in. (50 mm)

Maximum static load to be applied on the motor head: 15 lb (7kg)