DESCRIPTION

The Sonesse™ 30 RS-485 is an ultra-quiet tubular motor designed for motorizing various products including: roller/solar shades, sheer horizontals, roman/woven shades, pleated/cellular shades, horizontal blinds and projection screens.

FEATURES

The motor offers the following functions:

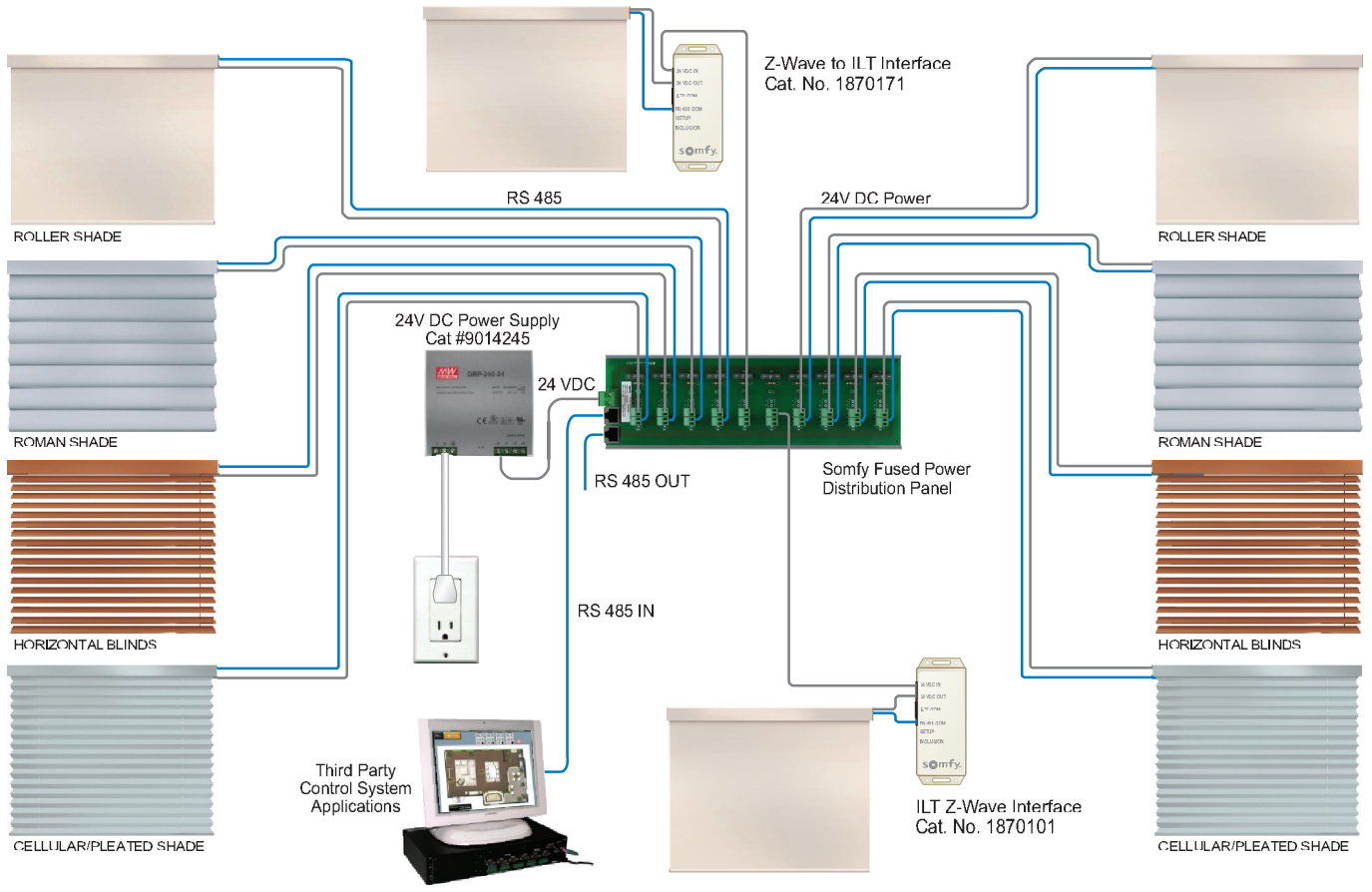
- Bi-directional serial communication with 3rd party control systems
- Communication via industry standard RS-485 network
- Provides basic open, close and stop commands and allows for setting each motorized shade to 16 intermediate positions with RS 485 and 100 intermediate positions with Z-Wave®.
- Feedback provides confirmation of each motor's position to ensure precise control from 3rd party systems
- Near silent operation at 44 dBa
- 24 V DC motor that can be In-Wall Wired or plug-in

SPECIFICATIONS

VOLTAGE*	24VDC
NOMINAL LOAD STARTING CURRENT *	1.6 for max. 300 ms
NOMINAL LOAD CURRENT *	.8A
MAX CURRENT DURING PROGRAMMING *	3.2A for 300ms.
TORQUE	17.7 in. lbs.(2Nm)
NOMINAL SPEED	28 rpm
LIMIT SWITCH UNIT CAPACITY	60 turns in each dir. at max. speed
THERMAL PROTECTION	2.5 minutes (software managed)
MIN TUBE INSIDE DIAMETER	1.22 in. (31mm)
MIN WIDTH BRACKET TO BRACKET FOR ROLLER SHADES (INCHES) **	A 18 5/8 | B 19 5/8 | C 18 ½
SOUND LEVEL	44 dBA
CONTROL	RS-485, Z-WAVE®

EcoGreen Solar Shades, LLC	Sonesse 30 ILT Quiet Motor 1		
	Project:		Date:
	Drawing #: SRS-1		Scale: Not to Scale
	EcoGreen Solar Shades, LLC.		
	www.EcoGreenSolarShades.com • P: (877) 610-1555 F:(440) 233-1122		

APPLICATION DIAGRAM EXAMPLE



RELATED PRODUCTS

Product	Part Number
24V DC 1.66A Wall Mount Plug-in Transformer (1 motor)	1822209
24V DC 2.5A Plug-in Table Top Transformer (1 motor)	1822116
24V DC 5A Plug-in Table Top Transformer (3 motors)	1822118
24V DC 10A Plug-in Table Top Transformer (6 motors)	1822119
24V DC 15A Plug-in Table Top Transformer (9 motors)	1822122
24V DC 20A Plug-in Table Top Transformer (12 motors)	1822123
24V DC 5A Din Rail Mount Transformer (3 motors)	9011994
24V DC 10A Din Rail Mount Transformer (6 motors)	9011995
24V DC 20A Din Rail Mount Transformer (12 motors)	9014245
14” Din Rail (for mounting Din Rail Transformers)	9011975
Sonesse™ 30 Limit Setting Tool	9014599
ILT Z-Wave Interface	1870171
RS-232 (Db9 Serial) to RS-485 Converter Kit	1810496

EcoGreen Solar Shades, LLC

Sonesse 30 ILT Quiet Motor 2

Project:			Date:
Drawing #:			Scale: Not to Scale

EcoGreen Solar Shades, LLC.

www.EcoGreenSolarShades.com • P: (877) 610-1555 F:(440) 233-1122

DESCRIPTION

The 504S2 ILT Sonesse™ is an ultra-quiet tubular motor designed for motorizing various products including: roller/solar shades, sheer horizontals, roman/woven shades, pleated/cellular shades, horizontal blinds and projection screens.

FEATURES

The motor offers the following functions:

- Intelligent 2 way communication
- Unique network address for selective control of individual motors
- Communication via industry standard RS-485 network
- Individual or group control with 16 customizable pre-set positions.
- Simple to integrate with third party automation systems via dry contact, IR, Radio Technology Somfy® (RTS), RS-485 or Z-Wave®
- Easily add ILT motors and smart controls to meet changing application requirements.
- Near silent operation at 44 dBa
- 110 V AC motor that can be In-Wall Wired or plug-in

SPECIFICATIONS

Nominal voltage	120V - 60Hz
Power supply tolerances	108 -132V
Thermal time	4 minutes
Number of wires of the cable	3
Wire section	AWG 18
Type of limit switch unit	Electronic
Capacity of the LSU	300 turns
Repeatability	< +2°
System of protection	IP 31
Basic crown for tube diameter	50 x 1.5mm
Phone cable	Flat 4 point
Connector	RJ9 type male plug
Electromagnetic compatibility	CEI 1000 - 4 - 2
Temperature working range	Nominal use: 0°C to + 60°C
Control	RTS, IR, Dry contact, RS485, Z-Wave®
Amperage	1 AMP

EcoGreen Solar Shades, LLC

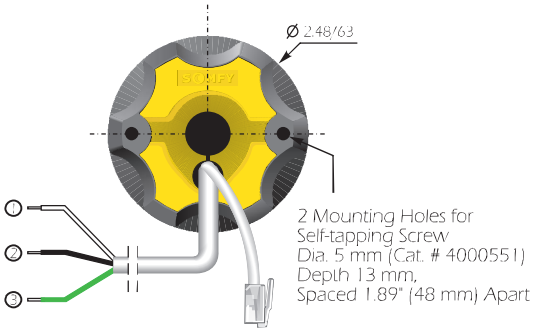
Sonesse 50 ILT Quiet Motor 1

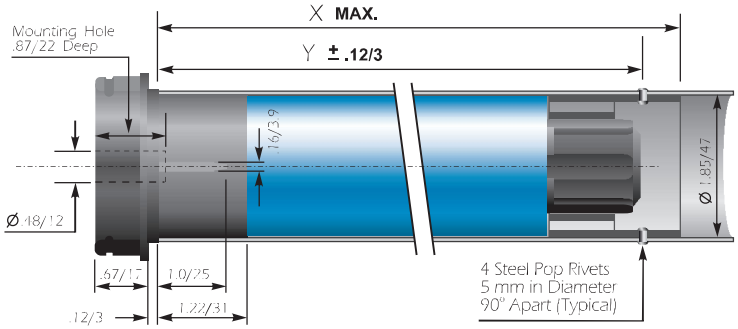
Project:			Date:
Drawing #:			Scale: Not to Scale

EcoGreen Solar Shades, LLC.
www.EcoGreenSolarShades.com • P: (877) 610-1555 F:(440) 233-1122

DIMENSIONS

Sonesse 50 ILT Starhead



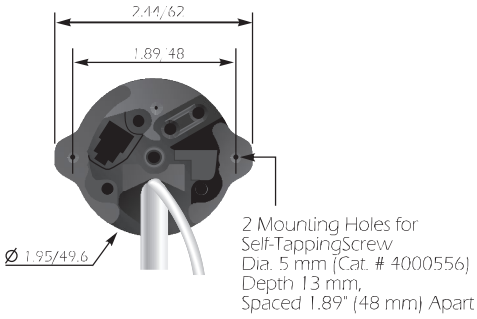


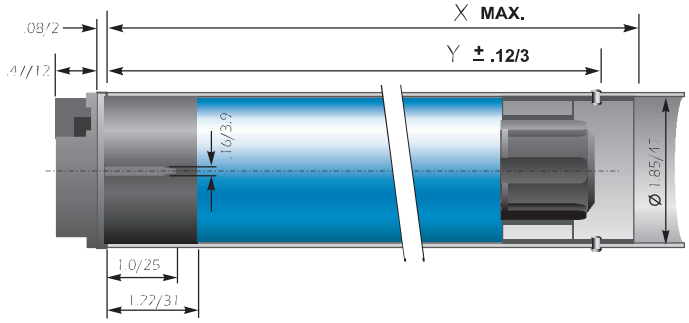
NOTE: Both cables can be removed from motor for servicing.

Sonesse 50 ILT Starhead

MOTOR TYPE	X in. / mm	Y in. / mm
50HS2 ILT	30.9/783	30.3/770

Sonesse 50 ILT Roundhead





Sonesse 50 ILT Roundhead

MOTOR TYPE	X in. / mm	Y in. / mm
50HS2 ILT RH	30.9/783	30.3/770

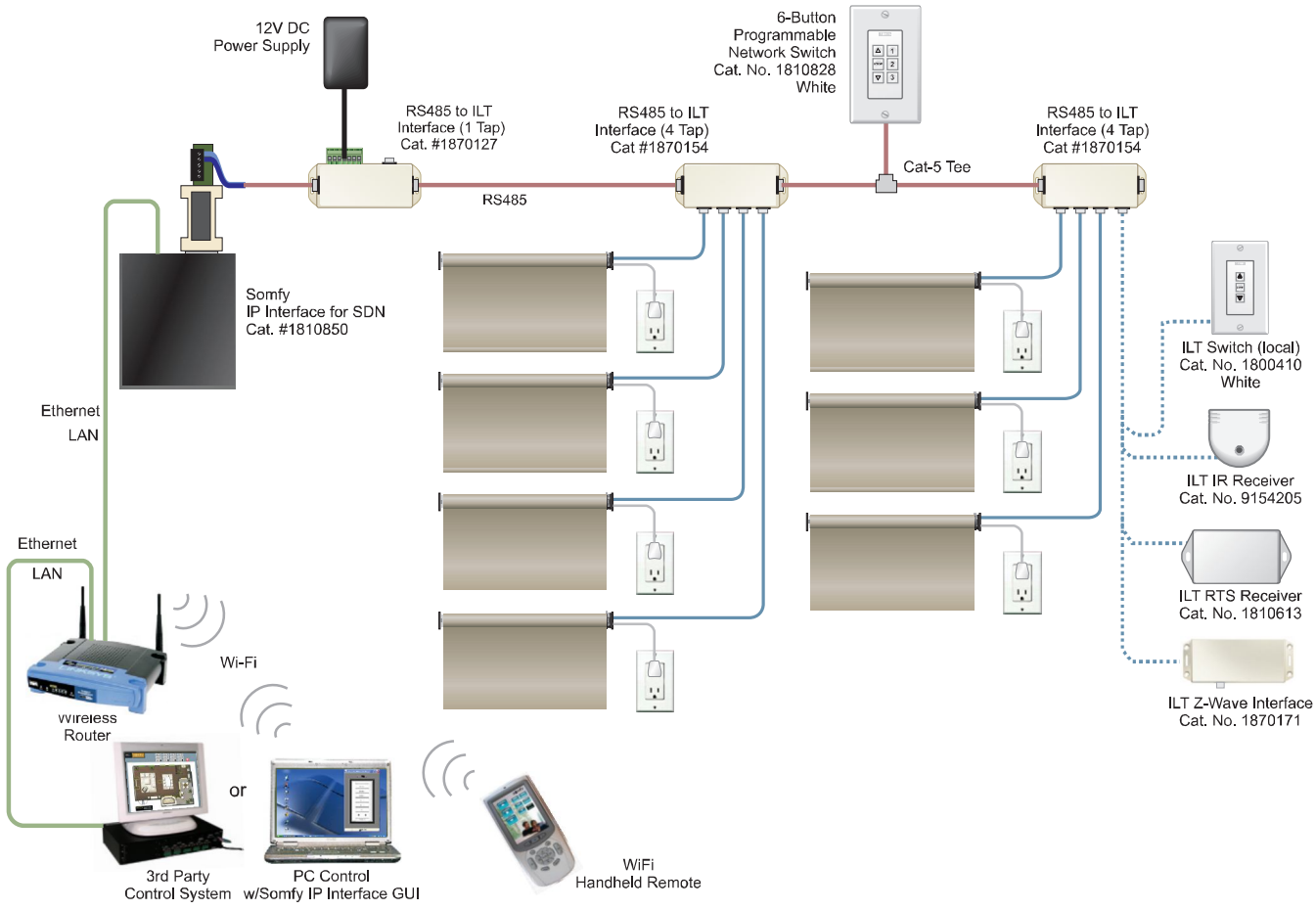
EcoGreen Solar Shades, LLC.

Sonesse 50 ILT Quiet Motor 2

Project:			Date:
Drawing #:			Scale: Not to Scale

EcoGreen Solar Shades, LLC.
www.EcoGreenSolarShades.com • P: (877) 610-1555 F:(440) 233-1122

APPLICATION DIAGRAM EXAMPLE



RELATED PRODUCTS

Product	Part Number
IP Interface (optional)	1810815
ILT Tap-Single Motor (required)	1870127
ILT Tap-Four Motor (required)	1870154
Cat 5 Tee	9014573
RJ 9 Splitter	9050190
3 Button Smart Switch (white)	1810827
ILT IR Receiver	9154205

Product	Part Number
ILT Switch (white)	6300053
ILT Switch (ivory)	6300054
ILT RTS Receiver	1810613
ILT Z-Wave Interface	1870171
ILT Limit Setting Tool	9050280
ILT Address Reader	9015137
12 V DC 1 AMP Transformer	1822111

EcoGreen Solar Shades, LLC.

Sonesse 50 ILT Quiet Motor 3

Project:			Date:
Drawing #:			Scale: Not to Scale

EcoGreen Solar Shades, LLC.
www.EcoGreenSolarShades.com • P: (877) 610-1555 F:(440) 233-1122