Sonesse® 30 RS485

Installation instructions





Installation instructions

page 1

SOMFY hereby declares that this product complies with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity is available at the web address www.somfy.com/CE. Suitable for use in EU, CH and NO

SAFETY

- This Somfy product must be installed by a professional motorization and home automation installer, for whom these instructions are intended.
- Before installation, check that this product is compatible with the associated equipment and accessories.
- These instructions describe how to install, commission and use this product.
- Moreover, the installer must comply with current standards and legislation in the country in which
 the product is being installed, and inform his customers of the operating and maintenance conditions
 for the product.
- Any use outside the sphere of application specified by Somfy is not approved. Such use, or any
 failure to comply with the instructions given herein will invalidate the warranty, and Somfy refuses to
 accept liability.

COMPATIBLE BLINDS

Roller blinds



COMPATIBLE CONTROL

RS485 controllers

Dry contact controllers



GENERAL SAFETY INSTRUCTION

The safety instructions that must be observed, besides the usual rules, are explained in these instructions and in the attached «Safety Instructions» document.

Never immerse the motor in liquid!



Avoid impacts!



Never drill holes in the motor!



Do not drop it!



INSTALLATION



Remove Network ID labels before installing the crown.

Motor preparation

- 1) Fit the crown (a) and drive wheel (b) to the motor.
- 2) Measure the length (L) between the middle of the drive wheel and the head end.

Tube preparation

Cut the tube to the required length. Deburr the tube and remove the debris.

Motor/tube assembly

1) Slide the motor into the tube.

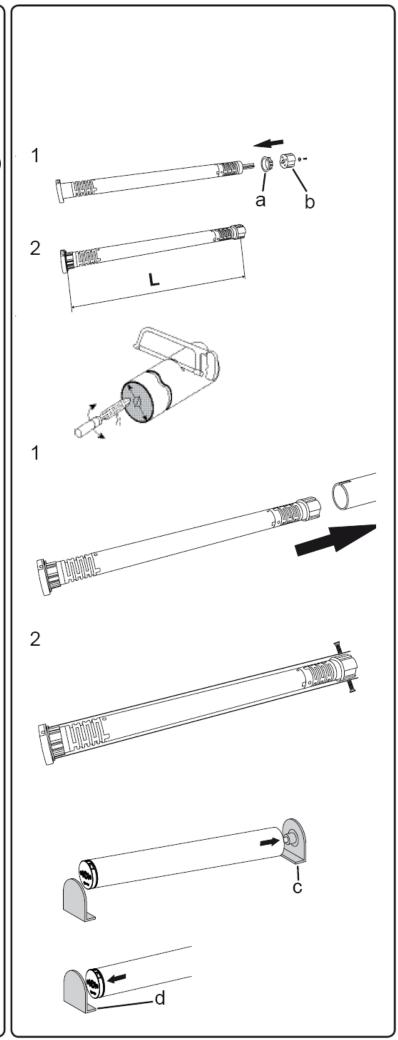
2) Fix the tube to the motor with selftapping screws or steel pop rivets depending on the dimension (L).

Mounting the motorized tube on the brackets

If necessary, screw the bracket interface on the motor head.

Mount the motorized tube on the end bracket (C).

Mount the motorized tube on the motor bracket (D).



Wiring

1) Connect the power cable to the motor (2-wire JST cable).

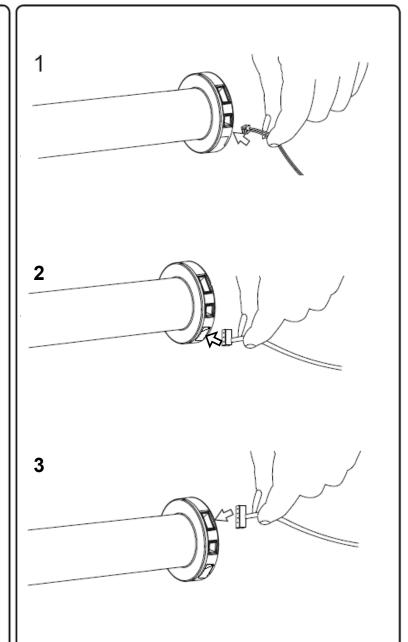


2) Connect the RS485 cable to the motor (3-wire JST cable).

3) If you want to use the Dry contact features of the motor, connect the Dry contact cable to the motor (4-wire JST cable).



Do not apply any voltage to Dry Contact connector.



RS485

RS485 communication standard

All signals on the physical link between devices should comply with EIA/TIA-485-A standard.

Recommended network cable: Shielded, two twisted-pair type 22 – 24 AWG (120 Ω).

Communication mode: half-duplex.

Time between two messages: minimum 100 ms.

Each character is coded as follow:

Character coding						
Baud Rate	4800	+/-1%				
Start bit	Logical Level 0					
Data bits	8	Less significant bit transmitted first				
Parity	Odd					
Stop bit	Logical Level 1					

RS485 control wiring

Pin 1 (red) = (+)

Pin 2 (green) = Ground

Pin 3 (black) = (-)

Message format

Byte Number	Name	Value	Description
-	MSG	CldoT Coccoo M CCO	Refer to 'MSG' column in the table below for a list of available messages.
2	LEN	oee Message Table	Refer to 'LEN' column to have the correct value depending on message.
3	Reserved	02h/20h	Always 02h when message is sent to Sonesse 30 motor. Always 20h when message is received from Sonesse 30 motor.
4 - 6	SRC@(*)(**)	Node dependant	NodeID of the transmitter (SouRCe address)
6 - 2	DEST@(**)	(refer to product label)	NodeID of the receiver (DESTination address)
:	DATA	See Message Table	Information on DATA fields can be found below: - Lenght of DATA part (in byte count) - Type of DATA fields - Available values for all DATA fields
Byte n-1	MINANDER	Duto 1 + Duto (n. 2)	CHECKSUM is one's complement of sum of byte 1 to byte (n-2)
Byte n	CIECASOIM	Dyte T ,,, T Dyte (11-2)	Checksown Byte 1 + + Byte (11-2) If CHECKSUM is not correct, message is ignored.

(*) When the host is not a Somfy product, its source address shall be included in the following range: FF FF 00 <= SCR@ <= FF FF EE (**) Address value are LSBF(Last Significant Byte First)

Message table

Command Type	Command Description	Message Name
	Set motor limits	SET_MOTOR_LIMITS
	Set motor rotation direction	SET_MOTOR_DIRECTION
	Set motor speed for rolling applications	SET_MOTOR_ROLLING_SPEED
Setting	Set Intermediate Positions (up to 16)	SET_MOTOR_IP
	Enable/Disable dry contact inputs	SET_DCT_LOCK
	Recall factory settings	SET_FACTORY_DEFAULT

1-byte 1	MSG	LEN	DATA	DATA	DATA Values	
1-byte 01h = Set limit at current position 1-byte 02h = Set limit at the specified position from up limit (in pulses) 04h = Adjust limit using Jog (in 10ms increments) 05h = Adjust limit using Jog (in pulses) 00h = Down limit / Downward movement 01h = Up limit / Upward movement (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses, or amount of jog in pulses or 10ms increments 00h = Standard rotation (default) 01h = Reversed rotation Up speed Value must be between 6 and 28 RPM 1-byte Down speed Value = Up speed, other values ignored 1-byte Slow speed Value must be between 6 and 28 RPM 00h = Delete 01h = Set IP at turrent position 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 1-byte 1-byte 10h = IP number 2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 1-byte 00h = All DCT inputs 00h = Dultock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore default rotation polarity 13h = Restore default rotation polarity 13h = Delete all IPs 12h =	WISC	LLI	Length	Type		
1-byte 02h = Set limit at the specified position from up limit (in pulses) 04h = Adjust limit using Jog (in 10ms increments) 05h = Adjust limit using Jog (in pulses) 05h = Downward movement 01h = Up limit / Upward movement 01h = Up limit / Upward movement 01h = Up limit / Upward movement 05h = Set add			· · · · · · · · · · · · · · · · · · ·			
11h 15 4					·	
1-byte				1-byte		
1-byte 1-byte 1-byte 1-byte 00h = Down limit / Downward movement 01h = Up limit / Upward movement (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses, or amount of jog in pulses or 10ms increments 10h = Reversed rotation 1-byte 1-byte 00h = Standard rotation (default) 01h = Reversed rotation 1-byte Up speed Value must be between 6 and 28 RPM 1-byte Slow speed Value must be between 6 and 28 RPM 00h = Delete 01h = Set IP at current position 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 1-byte 1-byte 1-byte 1-byte 1-byte 1-byte 1-byte 1-byte 00h = All IPS 1 to 16 = IP number 1-byte 00h = All DCT inputs 00h = All DCT input number 1-byte 1-byte 1-byte 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Delete all IPS 15h = Delete						
1-byte 1-b	11h	15	4			
12h 12 1 1-byte 1-by		.				
2-byte Indicates desired position in pulses, or amount of jog in pulses or 10ms increments				-,		
10ms increments		2-byte Indicates				
12h 12				2-byte		
1-byte						
1-byte Up speed Value must be between 6 and 28 RPM	12h	12	1	1-bvte	` ,	
1-byte Value must be between 6 and 28 RPM Down speed Value = Up speed, other values ignored 1-byte Slow speed Value must be between 6 and 28 RPM 00h = Delete 01h = Set IP at current position 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 1-byte 00h = All IPs 1 to 16 = IP number 2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = Lock (disable dry contact input) 01h = DCT input number 1-byte 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Delete all IPs					01h = Reversed rotation	
13h 14 3 Down speed 1-byte Down speed Value = Up speed, other values ignored 1-byte Slow speed Value must be between 6 and 28 RPM 00h = Delete 01h = Set IP at current position 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 1-byte 00h = All IPs 1-byte 1 to 16 = IP number 2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = DCT inputs 01h = DCT inputs number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Delete all IPs				1-DVID 1 · ·		
1-byte Value = Up speed, other values ignored 1-byte Slow speed Value must be between 6 and 28 RPM O0h = Delete O1h = Set IP at current position O2h = Set IP at the specified position from up limit (in pulses) O3h = Set IP at the specified position (in %) O0h = All IPs 1 to 16 = IP number (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % O0h = Unlock (enable dry contact input) O1h = Lock (disable dry contact input) O1h = DCT input number O1h = DCT input number O1h = DCT input number O1h = Clear all group addresses O1h = Clear all group addresses O1h = Clear all group addresses O1h = Restore default rotation polarity O1h = Restore default rotation polarity O1h = Restore default rolling speed settings O1h = Delete all IPs O1h = Delete all IPs O2h = Restore default rolling speed settings O2h = Restore default rolling speed settings O2h = D2 = Clear all IPs O2h = Clear all IPs			<u> </u>			
1-byte Slow speed Value must be between 6 and 28 RPM	13h	14	3	1-byte	· '	
1-byte Value must be between 6 and 28 RPM						
1-byte 00h = Delete 01h = Set IP at current position 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 1-byte 00h = All IPs 1 to 16 = IP number 2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 1-byte 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = Delete (or to 255) 1-byte 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Delete all IPs				1-byte	·	
1-byte 01h = Set IP at current position 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 1-byte 00h = All IPs 1 to 16 = IP number 2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 1-byte 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = DCT inputs 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h 12						
15h 15 4 1-byte 02h = Set IP at the specified position from up limit (in pulses) 03h = Set IP at the specified position (in %) 00h = All IPs 1 to 16 = IP number (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = Lock (disable dry contact input) 01h = DCT input number 01h = DCT input number 01h = Clear all group addresses 11h = Delete all limits (and IPs) 12h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs						
15h 15 4 03h = Set IP at the specified position (in %) 1-byte 00h = All IPs 1 to 16 = IP number 2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 1-byte 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 01h = DCT inputs 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Delete all IPs				1-byte	•	
1-byte 1-byte 1-byte 1 to 16 = IP number						
1-byte 1 to 16 = IP number	15h	15	4			
2-byte (LSBF) Value depends on selection of 1st parameter Indicates desired position in pulses or % 1-byte 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 1-byte 00h = All DCT inputs 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 1-byte 12h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs				1-byte		
Indicates desired position in pulses or % 1-byte				(I SRE) Value depends on selection of 1 st parameter		
1-byte 00h = Unlock (enable dry contact input) 01h = Lock (disable dry contact input) 1-byte 00h = All DCT inputs 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 1-byte 12h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs				2-byte	· · · · · · · · · · · · · · · · · · ·	
17h 14 3				00h - Unlock (enable dry contact input)		
17h 14 3 1-byte 00h = All DCT inputs 01h = DCT input number 1-byte Priority level (0 to 255) 00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs			1 1-00/10		, , , , , , , , , , , , , , , , , , ,	
1-byte O1h = DCT input number	17h	7h 14 3		h 14	41.	
00h = Restore all settings to factory default 01h = Clear all group addresses 11h = Delete all limits (and IPs) 1Fh 12 1 1-byte 12h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs	1-byte 01h = DCT input number		1-byte	•		
01h = Clear all group addresses 11h = Delete all limits (and IPs) 15h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs			Priority level (0 to 255)			
11h = Delete all limits (and IPs) 12h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs				•	00h = Restore all settings to factory default	
1Fh 12 1 1-byte 12h = Restore default rotation polarity 13h = Restore default rolling speed settings 15h = Delete all IPs					01h = Clear all group addresses	
13h = Restore default rolling speed settings 15h = Delete all IPs					11h = Delete all limits (and IPs)	
15h = Delete all IPs	1Fh	12	1	1 1-byte	12h = Restore default rotation polarity	
					13h = Restore default rolling speed settings	
17h = Clear all locks					15h = Delete all IPs	
					17h = Clear all locks	

Command Type	Command Description	Message Name
	Move in momentary mode	CTRL_MOVE
	Stop movement	CTRL_STOP
Control	Move to absolute position (UP/DOWN/IP) Move relative to current position (Jog/Next IP)	CTRL_MOVETO CTRL_MOVEOF
	Feedback	CTRL_WINK
	Read motor position	GET_MOTOR_POSITION
	Read motor status	GET_MOTOR_STATUS
	Read motor limits	GET_MOTOR_LIMITS
	Read motor rotation direction	GET_MOTOR_DIRECTION
	Read motor speed for rolling applications	GET_MOTOR_ROLLING_SPEED
Status request	Read Intermediate Positions	GET_MOTOR_IP
	Read DCT status (Enabled / Disabled)	GET_DCT_LOCK
	Read factory default status	GET_FACTORY_DEFAULT

MSG	IFN	DATA	DATA	DATA Values	
WISC	LLIN	Length	Type	DAI A Values	
				00h = Move in down direction	
			1-byte	01h = Move in up direction	
				02h = Cancel adjustments	
01h	14	3	1-byte	Jog duration (in 10ms increments)	
	' '			Value must be between 0Ah and FFh	
				00h = Use up speed	
			1-byte	01h = Use down speed (same as up speed)	
	10			02h = Use slow speed	
02h	12	1	1-byte	n/a (value ignored)	
				00h = Down limit	
			41.	01h = Up limit 1-byte	
1-byte 02h = IP 03h = Position from up limit (in pulses 04h = Position (in%)		1-byte			
		4		. , , ,	
		` '			
			2-byte	(LSBF) Value depends on selection of 1 st parameter	
				Indicates IP index, or position in pulses or %	
			1-byte	n/a (value ignored)	
				00h = Next IP down	
				01h = Next IP up	
			1-byte	02h = Jog down (in pulses)	
0.41-	1,5	_		03h = Jog up (in pulses)	
04h	15	4		04h = Jog down (in 10ms increments)	
		ŀ		05h = Jog up (in 10ms increments)	
			2-byte	(LSBF) Value depends on selection of 1 st parameter	
			4 6.45	Indicates amount of jog in pulses or 10ms increments	
OFh	11	_	1-byte	n/a (value ignored) n/a	
05h	11	0	n/a		
0Ch 0Eh	11	0			
21h	11	0	n/a n/a		
22h	11	0	n/a		
23h	11	0	n/a n/a		
25h	12	1	1-byte		
27h	12	1	1-byte	1 to 16 = IP number Always = 01h	
2/11	12	'	1-byte	00h = All settings	
				01h = Group addresses	
				11h = Limits	
2Fh	12	1	1-hv/ta	12h = Rotation polarity	
2111	'-	'	1-byte	13h = Rolling speed	
				15h = IPs	
				17h = Locks	
<u> </u>	l .			1711 - 2001/0	

Command Type	Command Description	Message Name
	Send motor position	POST_MOTOR_POSITION
Status report	Send motor status	POST_MOTOR_STATUS
	Send motor limits	POST_MOTOR_LIMITS
	Send motor rotation direction	POST_MOTOR_DIRECTION
	Send motor speed for rolling applications	POST_MOTOR_ROLLING_SPEED
	Send Intermediate Positions	POST_MOTOR_IP
	Send DCT status (Enabled / Disabled)	POST_DCT_LOCK
	Send factory default status	POST_FACTORY_DEFAULT

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Company	MCC	LEN	DATA	DATA	DATA Values	
1-byte	MSG	LEN	Length	Type	DATA Values	
0Dh 16 5 1-byte IP number 1 to 16, if at IP 255, if not at IP 255, if not at IP State of the motor: 00h = Stopped 1-byte 01h = Running 02h = Blocked 03h = Locked 03h = Locked 03h = Locked 00h = Down 01h = Up 20h = Down 01h = Up 20h = Network message 02h = DCT inputs 20h = DCT inputs 20h = DCT inputs 20h = Target reached 01h = Explicit command			2-byte (LSBF) Position from up limit (in pulses)		(LSBF) Position from up limit (in pulses)	
1-byte IP number 1 to 16, if at IP 255, if not at IP State of the motor: 00h = Stopped 1-byte 01h = Running 02h = Blocked 03h = Locked Direction of last motion: 1-byte 00h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command				1-byte	Partial position from up limit (in %, down limit = 100%)	
255, if not at IP State of the motor: 00h = Stopped 1-byte 01h = Running 02h = Blocked 03h = Locked Direction of last motion: 1-byte 00h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command	0Dh	16	5	1-byte		
State of the motor: 00h = Stopped 1-byte 01h = Running 02h = Blocked 03h = Locked Direction of last motion: 1-byte 00h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command				1 byto	IP number 1 to 16, if at IP	
O0h = Stopped 1-byte 01h = Running 02h = Blocked 03h = Locked Direction of last motion: 1-byte 00h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command				1-byte	255, if not at IP	
1-byte 01h = Running 02h = Blocked 03h = Locked Direction of last motion: 1-byte 00h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command					State of the motor:	
02h = Blocked 03h = Locked Direction of last motion: 1-byte 00h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command					00h = Stopped	
OFh 15 OSh = Locked Direction of last motion: 1-byte Oh = Down Oth = Up Source of last action: Oh = Internal Oth = Network message O2h = DCT inputs Cause of last action: O0h = Target reached Oth = Explicit command				1-byte	01h = Running	
OFh 15 Direction of last motion: 1-byte O0h = Down 01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command					02h = Blocked	
01h = Up Source of last action: 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command					Direction of last motion:	
OFh 15 4 Source of last action: 1-byte 00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command				1-byte	00h = Down	
00h = Internal 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command						
0Fh 15 4 1-byte 01h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command					Source of last action:	
07h = Network message 02h = DCT inputs Cause of last action: 00h = Target reached 01h = Explicit command				1-hvto		
Cause of last action: 00h = Target reached 01h = Explicit command				1-byte	01h = Network message	
Cause of last action: 00h = Target reached 01h =Explicit command	0Fh	15	4		·	
01h =Explicit command	"	'	'		Cause of last action:	
					00h = Target reached	
					· · · · · · · · · · · · · · · · · · ·	
					02h = Wink	
10h = Limits not set					10h = Limits not set	
1-byte 11h = IP not set				1-hvto	11h = IP not set	
12h = Polarity not checked				1-DytC	12h = Polarity not checked	
13h = In configuration mode					13h = In configuration mode	
20h = Obstacle detection					20h = Obstacle detection	
21h = Over-current protection					21h = Over-current protection	
22h = Thermal protection					22h = Thermal protection	
30h =						
31h 15 4 2-byte (LSBF) Up limit (always = 0)	31h	15	4	•	 	
2-byte (LSBF) Down limit (in pulses)				2-byte	 	
32h 12 1 1-byte 00h = Standard rotation direction	32h	12	1	1-byte		
01n = Reversed rotation direction						
	226	1-byte Up speed, 6 to 28 (RPM) 1-byte Down speed, always = Up speed, 6 to 28 (RPM)		· · · · · · · · · · · · · · · · · · ·		
- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3311	33h 14 3 1-byte Down speed, always = Up speed, 6 to 28 (RPM) 1-byte Slow speed, 6 to 28 (RPM)		 		
35h 15 4 1-byte IP number, 1 to 16 2-byte (LSBF) IP position from up limit (in pulses)	35h	15	1			
1-byte Partial IP position from up limit (in %, down limit = 100%)	5511	13	7	•		
00h - Unlocked (enabled)						
1-byte O1h - Locked (disabled)				1-byte	` '	
37h 16 5 3-byte (LSBF) always = FFFFFFh	37h	16	5	3-hvte		
1-byte Priority level (0 to 255)			}	•	· · · · · · · · · · · · · · · · · · ·	
00h = All settings				1 byto	i	
01h = Group addresses					_	
11h = Limits					· · · · · · · · · · · · · · · · · · ·	
				1-byte		
3Fh 13 2 13h = Rolling speed	3Fh	13	2		· · · · · · · · · · · · · · · · · · ·	
15h = IPs					· ·	
17h = Locks						
00h - Different from default value(s)						
1-byte 01h = Default value(s)				1-byte	` '	

Dry contact

Dry contact control wiring

Setting Tool

- 1 UP (White/Blue)
- 2 STOP (Blue)
- 3 DOWN (White/Orange)
- 4 GND (Orange)

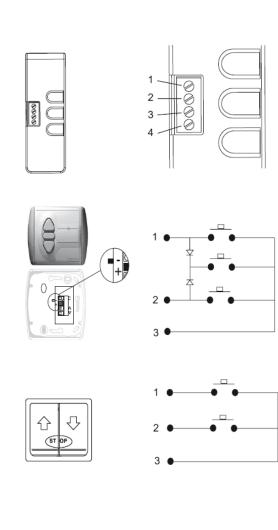
Centralis IB

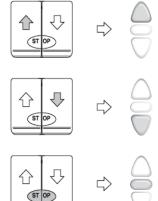
- 1 UP or DOWN (White/Blue or White/ Orange)
- 2 UP or DOWN (White/Blue or White/ Orange)
- 3 GND (Orange)

Wall Switch

- 1 UP or DOWN (White/Blue or White/ Orange)
- 2 UP or DOWN (White/Blue or White/ Orange)
- 3 GND (Orange)

Correspondence





COMMISSIONING

Checking the direction of rotation

Press the setting tool UP button:

a) If the shade is raised, the direction of rotation is correct. Move to the section entitled «Adjusting the end limits».

b) If the shade is lowered, the direction of rotation is incorrect. Move to the next step.

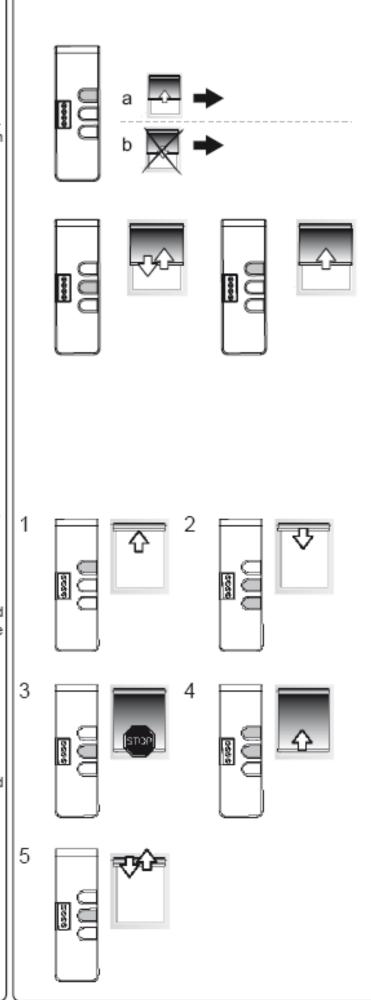
Press the setting tool STOP button until the shade jogs: the direction of rotation has been modified. Press the setting tool UP button to check the direction of rotation.

Adjusting the end limits

The limits can be set in any sequence.

- Press and hold the UP button to move the shade to the desired up position.
- Press simultaneously the STOP and DOWN buttons and release them once the shade begins to move.
 The up limit is memorized.
- Press the STOP button when it reaches the desired down position.
 If necessary adjust the down position, using the UP or DOWN buttons.
- 4) Press simultaneously the STOP and UP buttons and release them when the shade begins to move.
 The down limit is memorized.
 The shade moves up and will stop at its upper limit.
- To confirm the end limits press and hold the STOP button until the shade logs.

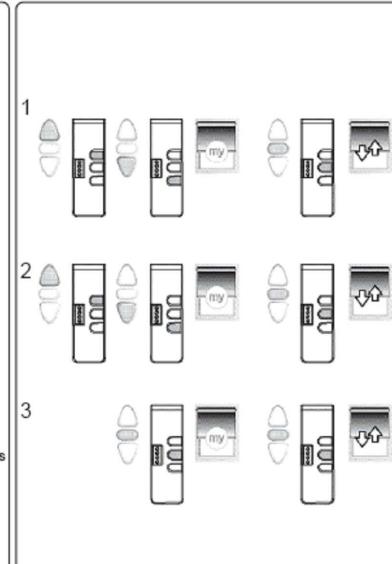
The end limits are recorded.



USE

MY position

- Recording MY position
 To set the MY position, move the shade to the desired position with the UP and DOWN buttons then press the STOP button until the shade jogs once.
- 2) Changing the MY position To change the MY position go to the new desired MY position with the UP and DOWN buttons then press the STOP button until the shade jogs once.
- Delete the MY position
 To delete the MY position, move to this position and press the STOP button until the shade jogs once.





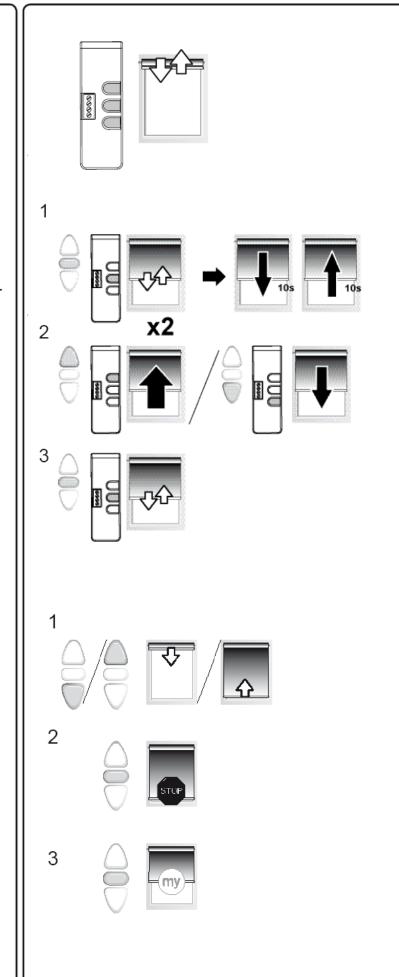
With the setting tool, it is possible to cancel and exit the speed or limit adjustment mode by simultaneously pressing the UP, STOP, and DOWN buttons. These modes will also be cancelled with inactivity of 2 minutes.

Adjusting the roller speed

- 1) Press and hold the STOP button until the shade jogs twice. The shade moves up and down automatically in 10 second cycles.
- 2) While the shade is moving, briefly press the UP button to increase the speed or DOWN button to decrease the speed.
- To confirm the new speed, press and hold the STOP button until the shade jogs.

UP, DOWN and MY

- 1) To move the shade from a limit to the other limit, press briefly the UP or DOWN button.
- 2) To stop the shade, press the STOP button.
- 3) To move the shade to the MY position, press briefly the STOP button.



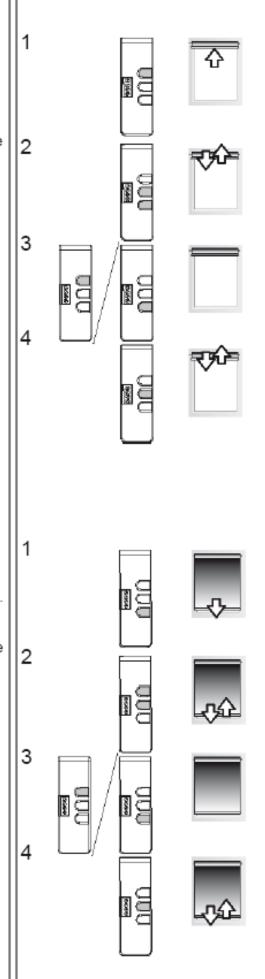
End limit re-adjustement

UP LIMIT

- Press the UP button, to move the shade to the limit to be readjusted.
- Press and hold the DOWN and STOP buttons simultaneously until the shade jogs.
- Press and hold the UP or DOWN button to move the shade to the new desired position.
- To confirm the new limit press and hold the STOP button until the shade jogs.

DOWN LIMIT

- Press the DOWN button, to move the shade to the limit to be readjusted.
- Press and hold the STOP and UP buttons simultaneously until the shade jogs.
- Press and hold the UP or DOWN button to move the shade to the new desired position.
- To confirm the new limit press and hold the STOP button until the shade jogs.

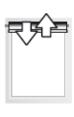


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Modifying the direction of rotation

To reverse the rotation direction, press and hold all the three buttons simultaneously until the shade jogs twice.





х2

Erasing the memory of the motor.

Press and hold all the three buttons simultaneously until the shade jogs 3 times.

All the settings are erased.





х3

Technical data

Voltage	24V
Operating temperature	0°C / 60°C
Protection rating	IP30
Torque	2 Nm
Adjustable speed	6 → 28 rpm
Speed (by default)	28 rpm

Troubleshooting

The motor doesn't work:

Verify:

- The wiring of the motor.
- The power supply specifications.
- The compatibility of the control
- The heat generated (wait 5 minutes for the cooling of the motor).

The equipment stops too soon:

Verifiy:

- The operation of end-limits during the rotation of the motor.
- The crown is properly fitted to the tube.
- The end-limits of the motor are properly adjusted.
- · Verify that the shade is within the recommended weight limit

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