TECHNICAL DATA SHEET

19 - 07 - 2012	TDST DOC

Designation	Micro-receiver for roller shutter
Reference	1811244
Range	RTS

FUNCTIONS

Product principle:

Radio receiver for Roller Shutter

Usage:
To equip standard motors with the radio SOMFY RTS while keeping the existing switch as a local command

Installation:

2 options for installation =
- Integration into a flush mounting box* behind the switch (Scheme represented on the right)
    - Integration in a junction box
Setting with RTS ergonomics (Prog - Prog)

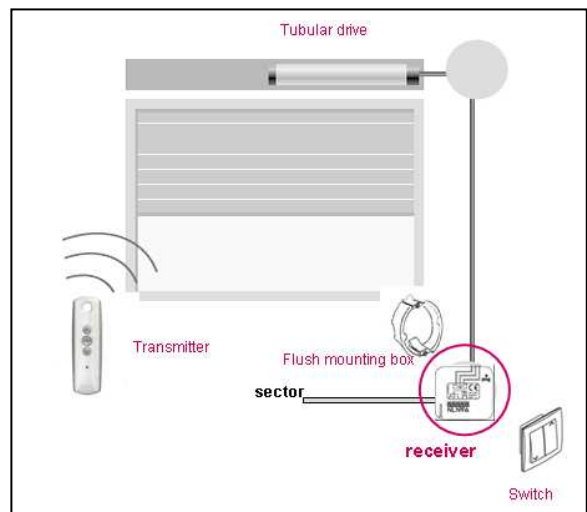**FUNCTIONS**

Command from the transmitter:
    - Up, Down, Stop, 2 Intermediary Positions :
        - Up favorite position
        - Down favorite position

Command from the switch : Up , Down, Stop**

Sun function

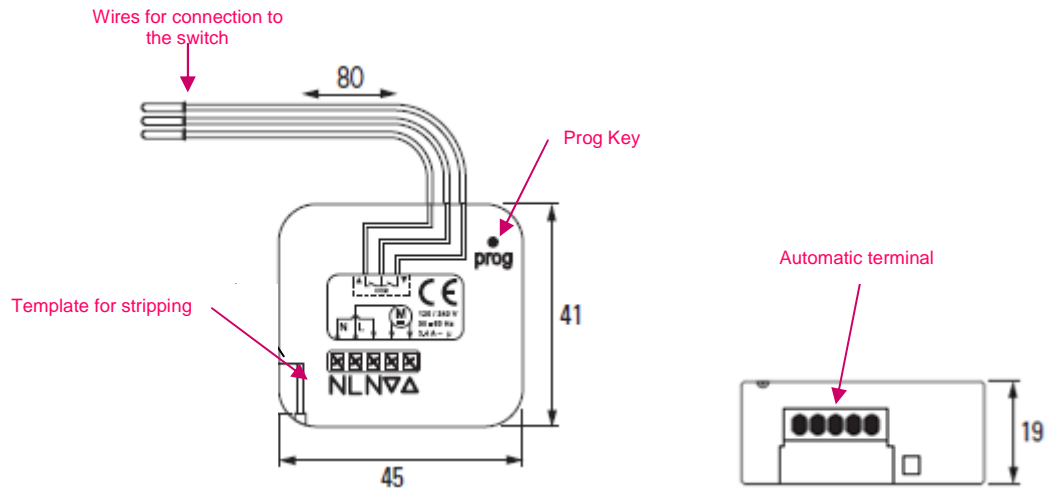*Depth 50 mm boxes recommended (more details in compatibility results part)
** Command stop linked to the ergonomy of the switch used (stable or unstable)

TECHNICAL SPECIFICATIONS

Box	Material	ABS PA66 chargé
	Color	White
	Size	Module 45 x 41 x 19 mm
		Packaging 89 x 89 x 40 mm
	Protection factor against solid & splashproof	IP 20 (After installation)
	Class	III
Power supply	Power supply	120-230V / 50-60Hz
	Standby Consumption	0.5W
Radio frequency		433.42 MHz
Range		200m in free field
		20m between 2 reinforced concrete walls
Protocol		RTS
Antenna		Integrated
Temperature range	Storing	-30°C / +70°C
	Working	- 20°C / +55°C
Drop test		Using: at 20°C
		1/face (height : 1.2m)
Weight		70g (packaging with receiver)
		38g Receiver

Standard (CE)
Compliance with EN60669-1 / 60669-2-1
(Standard for Switches for household and similar fixed electrical installations)

UL 508 (in progress)

DESCRIPTION

Wires for connection to the switch

80

Prog Key

Template for stripping

Automatic terminal

41

45

19

NLN▽△

COMPATIBILITIES

Motor compatibility:

Wired motors ((I<3A-240V ou I<3,4A-120V)
230V/ 50-60 Hz installations = SOMFY wired motors: Ø40, Ø50, Ø60
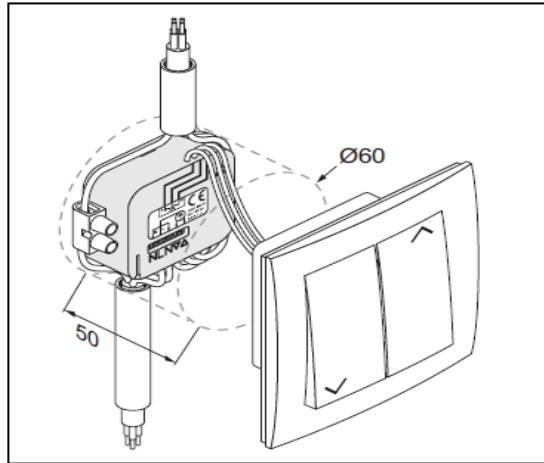120V/ 50-60Hz installations = SOMFY wired motors: Ø40, Ø50, Ø60

Radio compatibility:

All SOMFY RTS transmitter (sequential included) – up to 12 transmitters
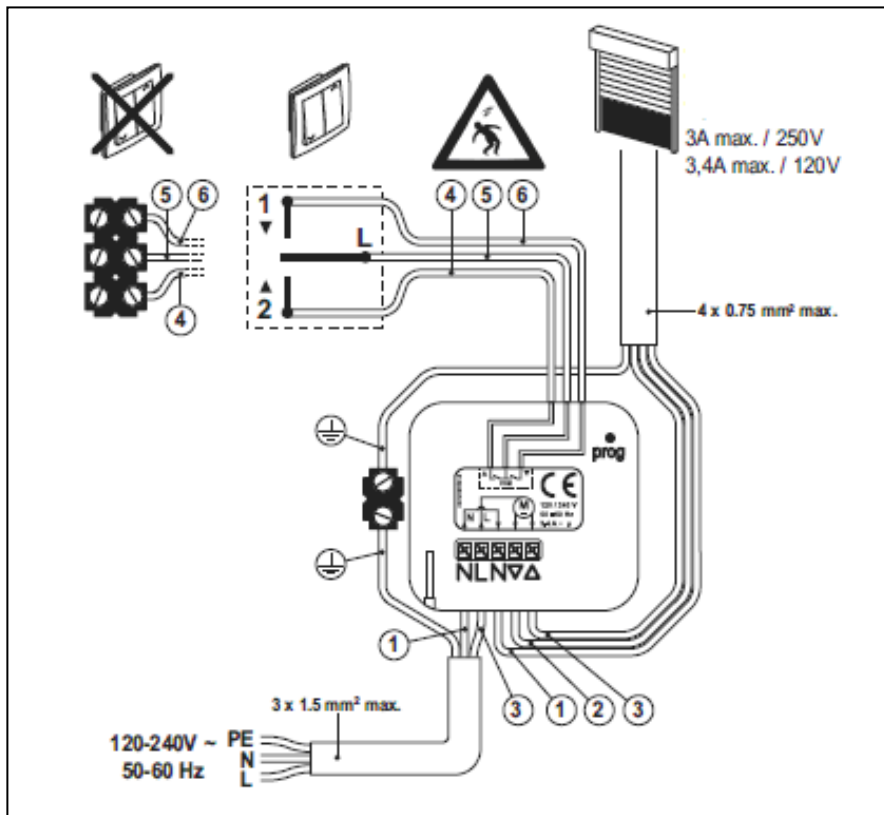Sun sensors – Up to 3 sensors

Switch compatibility:

Stable switch (up/ down)
Instable switch (up/ down)

INSTALLATION SPECIFICATIONS

Electrical installation scheme

	FR	GB	DE	NL	ES
⏚	Vert / Jaune	Green / Yellow	Grün / Gelb	Groen / Geel	Verde / Amarillo
①	Bleu	Blue	Blau	Blauw	Azul
②	Marron	Brown	Braun	Bruin	Marrón
③	Noir	Black	Schwarz	Zwart	Negro
④	Vert	Green	Grün	Groen	Verde
⑤	Blanc	White	Weiß	Wit	Blanco
⑥	Jaune	Yellow	Gelb	Geel	Amarillo

* To note = Domino for connection of the grounds not supplied

COMPATIBILITIES TEST RESULTS

	Compatibilité	
	40mm	50mm et +
France	47%	100%
USA + Canada		100%
Bel + NL	100%	100%
Iberia	33%	pas de produit
Italia	pas de produit	pas de produit
GmbH	0%	100%
Grece	pas de produit	pas de produit
Poland	pas de produit	pas de produit
Tcheque	100%	100%
Other EE	pas de produit	pas de produit
Asia		
Middle East	pas de produit	pas de produit
Others	pas de produit	pas de produit

France		Legrand Celiane	Legrand Sagane	Arnould Espace	Arnould Initia	Legrand MOSAIC	EFFAPEL	ALOMBARD ALB0
	Schneider Etanche - 40mm	NOK(6mm)	NOK(10,5mm)	OK(1mm)	OK(1mm)	NOK(7mm)	NOK(5mm)	OK(1mm)
	Schneider Etanche - 50mm	OK	OK(1mm)	OK	OK	OK	OK	OK
	Debflex - 40mm	NOK(12mm)	NOK(12mm)	NOK(4mm)	NOK(5mm)	NOK(9mm)	NOK(8mm)	NOK(2mm)
	Debflex - 50mm	OK	OK	OK	OK	OK	OK	OK
	Legrand Batibox sceller - 40mm	NOK(3,6mm)	NOK(8mm)	OK	OK	NOK(4mm)	NOK(2,3mm)	OK
	Legrand Batibox - 40mm	NOK(5mm)	NOK(7,5mm)	OK	OK(1mm)	NOK(5mm)	NOK(3mm)	OK
	Legrand Batibox - 50mm	OK	OK	OK	OK	OK	OK	OK
	Legrand Jaune - 40mm	NOK(10mm)	NOK	NOK(6mm)	NOK(6mm)	NOK(6mm)		NOK(6mm)
	Legrand Jaune - 50mm	OK	OK	OK	OK	OK	OK	OK
	Casto - 40mm - BG3	NOK(6mm)	NOK(10,5mm)	OK(1mm)	OK(1mm)	NOK(5mm)	NOK(4,5mm)	OK

USA + Canada		Leviton 5691	Leviton 3Way 12	SOMFY 5685-2W	HUBBELL HBL1385
	Raco Métallique - 62mm (5) 75*46	OK	OK	OK	OK
	Raco Métallique - 54mm (4) 100*55	OK	OK	OK	OK
	Raco Métallique - 87mm (3) 75*46	OK	OK	OK	OK
	Carlon Plastic - 68mm (2) 74*52	OK	OK	OK	OK
	Carlon Plastic - 84mm (1) 92*55	OK	OK	OK	OK

Belgium + NL		Niko 170-01500	NIKO 7059 /10	Chanberlain TCS
	Legrand (80051) - 50mm	OK	OK	OK
	Legrand double (89352) - 50mm	OK	OK	OK
	Helia 9064 - 61mm	OK	OK	OK
	Helia 341 - 40mm	OK sans griffes	NOK(7mm)	OK
	Helia 351 - 50mm	OK	OK	OK

Iberia		Schneider U3	ABB 8144 (sans l	Bticino N4037
	Famatel - 40mm	OK	NOK(6mm)	NOK(7mm)
	BJC - 40mm (carré)	OK	NOK(7mm)	NOK(7mm)

Italia		Bticino Magic	Bticino Living	Gewiss Pulsante
	Bticino 502 - 50mm	OK	OK	OK
	Bticino 503 - 50mm	OK	OK	OK

GmbH		Merten	Gira	Bush Jaeger	Jung	Berker	Elso	SIEMENS delta 5	NIKO 7069 /10	PEHA
	Schalterdose - 40mm	NOK	NOK	NOK	NOK	NOK	NOK	NOK	NOK	NOK
	Kaiser - 40mm	NOK	NOK	NOK	NOK (3mm)	NOK	NOK	NOK	NOK	NOK
	Blass - 40mm	NOK	NOK	NOK	NOK	NOK	NOK	NOK	NOK	NOK
	NIEBAUER - 80mm	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Kaiser - 60	OK	OK	OK	OK	OK	OK	OK	OK	OK

Tcheque		ABB 3559
	KP67/2	OK
	KU68/L	OK
	Ku68	OK