TECHNICAL DATA SHEET

HOME MOTION BY somfy

10 - 08 - 2006	DMKI – FTPE 9013075 RO

designation	**SUNIS SENSOR RTS**
reference	**9013075**
range	**Inteo**

FUNCTIONS

- Autonomous sensor that enables to measure the sun light level

Up to 3 sensors can be memorised in one motor

One SUNIS can be memorised in several motors

The threshold can be set directly on the SUNIS with a potentiometer going from **5 to 55 Klux**.

When the daylight level falls below the threshold setting, a time delay between 15 to 30 minutes is activated

 (according to the sun presence duration).

■ CHARGING TIMES

Weather condition EQUIVALENT IN Klux	<10 Klux	approx 20 Klux	> 30 Klux
minimum charging time needed for programming and installing the sensor	45min	20-25min	5-15min
discharging time	24 hours		

Guaranteed autonomy of 20h for 10 years

■ TEMPORISATION

•Operating mode identical to current Soliris sensor : same tempo used, same frames sent = same behaviour

	User mode SENSOR	User mode RECEIVER	User mode SENSOR & RECEIVER	Demo mode SENSOR	Demo mode RECEIVER	Demo mode SENSOR & RECEIVER
sun appearance	2 min		2 min	10 sec		10 sec
sun disappearance	5 min	10-25 min	15-30 min	3 sec	12 sec	15 sec

■ SUN FUNCTIONNING

	Altus / Orea / RTS external Receiver	Modulis Receiver	Oximo RTS
SUN	Go to IP or to down limit if no IP	Go to D1(=IP)	Go to IP or do not move if no IP
NO SUN	Go to up limit	Go to Horizontal slats	Do not move
NO SIGNAL FROM SENSOR	Go to up limit after 1 Hour (wind protection)	Go to up limit after 1 Hour (wind protection)	Do not move* *in process of being changed

COMPATIBILITIES AT THE 10/08/06

Motors	Controls	Receivers
Orea(230/120V)	Telis soliris RTS	Universal Receiver RTS
Altus diameter 50-60(230V/120V)	Telis modulis soliris RTS	Centralis UNO RTS
LT RTS 2	Telis 4 soliris RTS	Modulis Receiver RTS
LT CSI RTS 2	Composio RTS	Radio platine RTS
OXIMO RTS	Impressario RTS	Centralis UNO RTS VB
Sonesse 50 RTS		
Altea RTS		

24

50

71
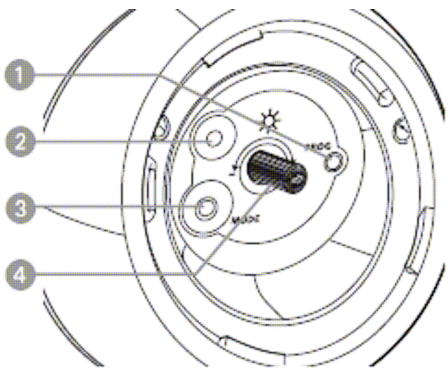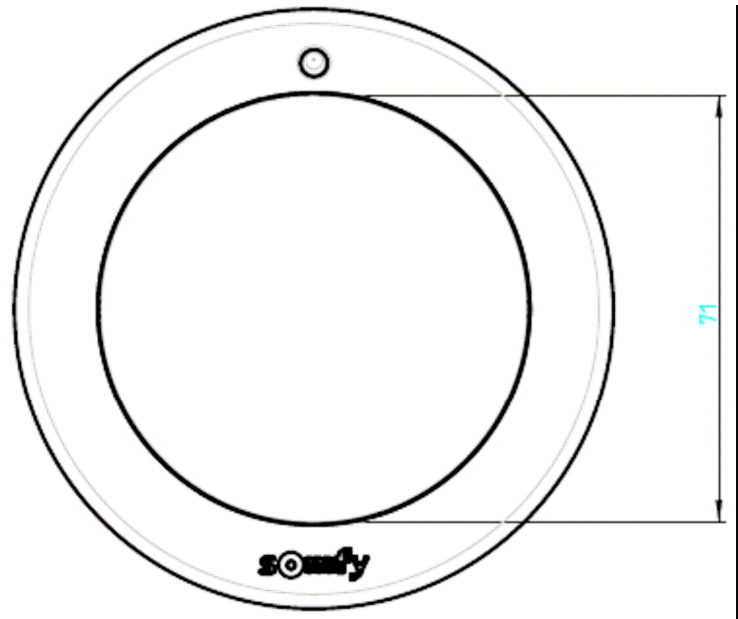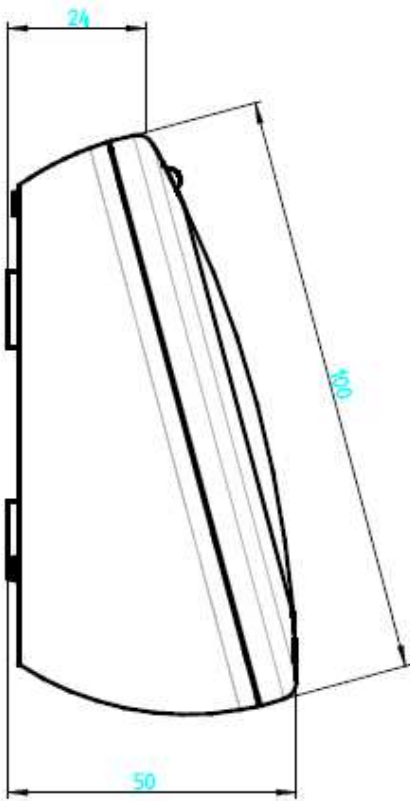
1. Prog. button
2. LED to indicate sun level and current mode
3. Mode button to change mode (demo/normal)
4. Potentiometer

Light sensor *(to catch sun intensity)*

glass

Solar cell *(to charge the sensor)*

PCB

housing

Wall support

Components (including super cap, *to keep charging autonomy*)
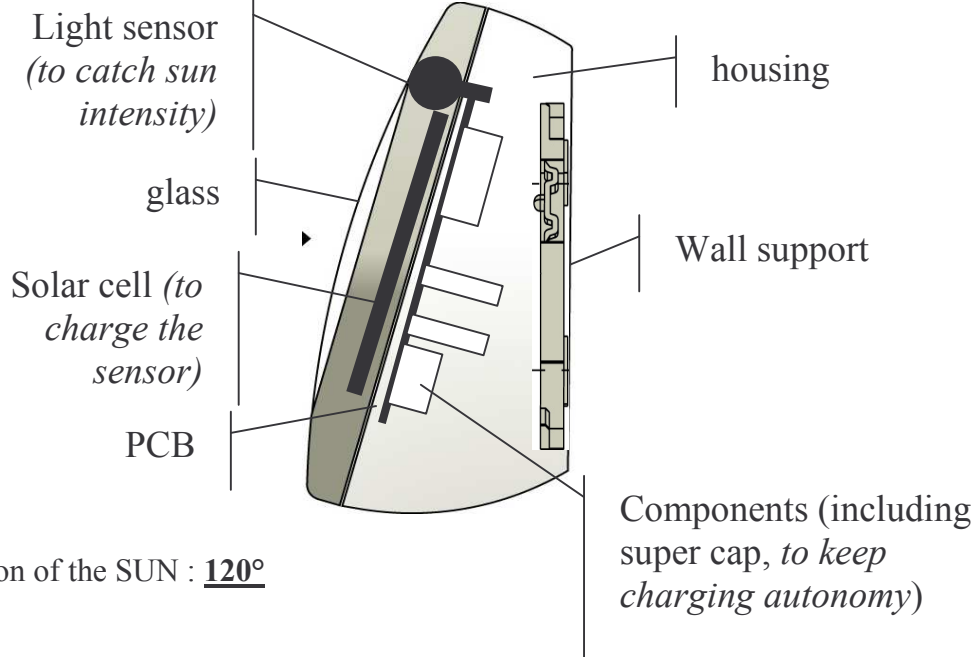
Angle of Detection of the SUN : **120°**

TECHNICAL SPECIFICATIONS

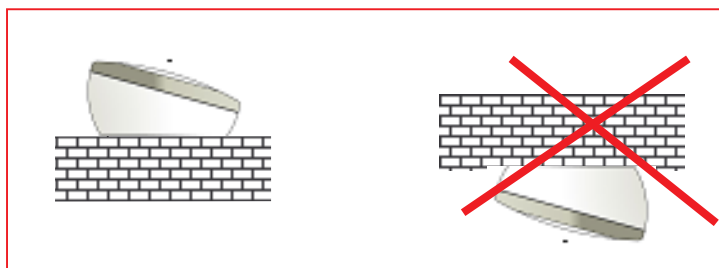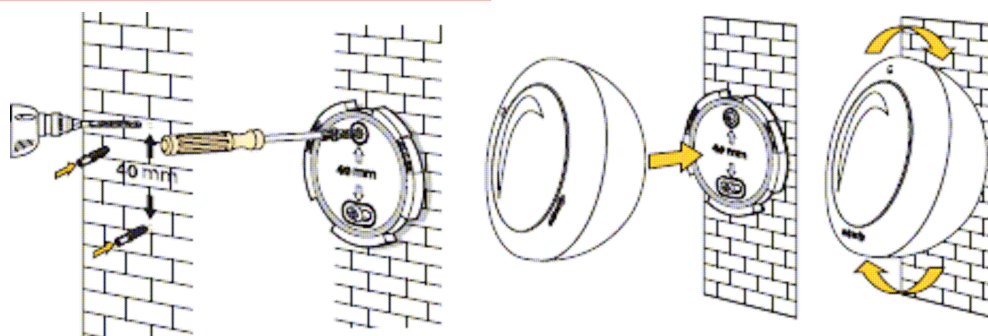|		
Box	**Material**	**ASA + PC (UV stabilised)**
		PC (UV stabilised) (transparent part)
	Color	**Bronzal Ultra light**
	Size	**100 mm (diameter)**
	Protection factor against	**IP 44**
	solid & splash proof	
Supply	**Autonomous: Internal Supercap Rechargeable with solar cells**	
Radio characteristics (RTS Protocole):	**Frequency**	**433.42 Mhz +/- 100kHz**
	Radiated power	**0dBm or 1mW**
	Modulation Type	**ASK Type A1**
	Range in free field	**200m**
Standard		**EN 60730**
		EN 301489-3
		EN 300220-3
Temperature range	**Storing**	**-30℃ / + 70℃**
	Working	**-30℃ / + 60℃**
Antenna		**Built in**
Electro Magnetic compatibility	**CEI 1000-4-2**	**8 kV**
	CEI 1000-4-3	**lev III**
CE Requirements		**YES**

INSTALLATION
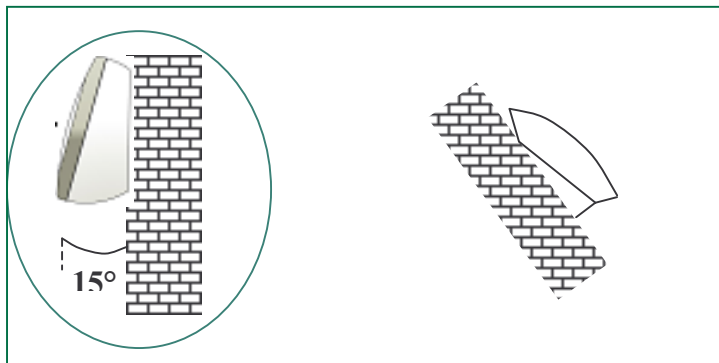
Installation recommandations :

- Install the sensor vertically**(recommended)** and free from interference.

For optimum radio performances :

- Do no install the receiver against a metallic part.
- minimum distance between the receiver and the floor : **1,5 m**.
- minimum distance between the receiver and the roof : **30 cm**.
- minimum distance between the receiver and the transmitter : **30 cm**.
- minimum distance between two receivers : **20 cm**.
- maximum distance between a receiver and the sensor : **20 m**.

Wall Mounting:

R&D **Name:** **Date:**	KARSTEN FESS	**QUALITY** **Name:** **Date:**	HENDRIK SCHOEN	**EDITOR** **Name:** **Date:**	KEICHINGER ALEXANDRE