SUPERIOR SMART Door/Window Wireless Sensor Instructions

Contents

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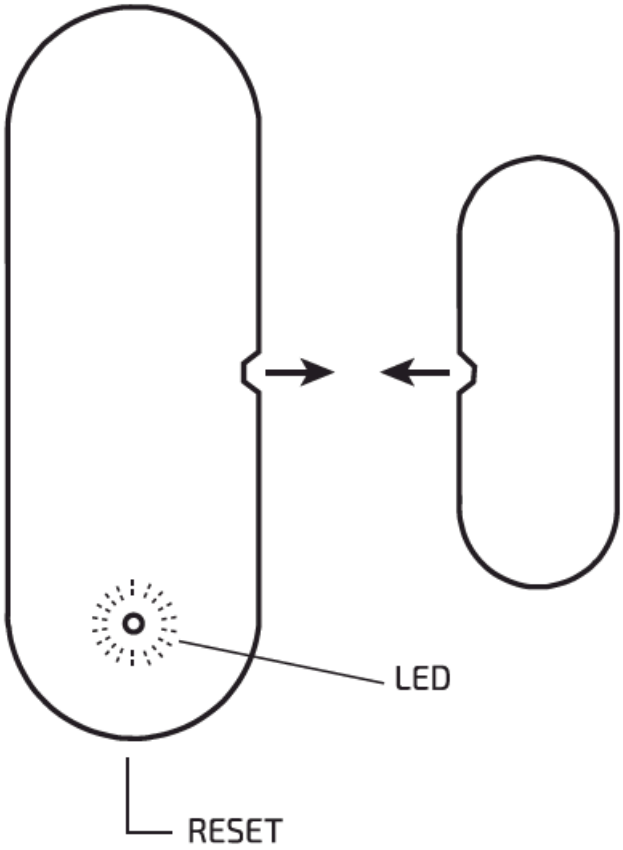
SUPERIOR-ELECTRONICS.COM



Before starting

Make sure that your smartphone or tablet has one of the following mobile operating systems installed: iOS” 10.0 (or higher) or Android® 4.4 (or higher) or watch OS® 3.0 (or higher)
Also make sure that your internet connection is active and that your smartphone is connected to the wireless network on the 2.4 GHz frequency

Download the App “Smart Life® – Smart Living”

App Store® / Google Play® / QR Code
Search for the App or scan this QR Code with your smartphone

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Get it on Google play

To Register/Access

1. Start the “Smart Life®” App
2. Register your account, entering your phone number or e-mail address
3. Create a user-name and a password
4. If you have already set up an account, go straight to the app.

Configuration of the Device

1. Click on **“Add Device”** or the symbol”+”
2. Select the type of product – **“Security Et Sensors”**
   ➔Contact or (Wi-Fi)”
3. Use a needle or similar object to hold down the **“RESET”** button for roughly 5 seconds; the Led in front of the sensor will start blinking.
4. Follow the instructions on the screen to complete the association

Examples of uses

1. The sensor can instantly notify your smartphone when your doors or windows are opened or closed
2. It can be set on a medicine container to make sure that an elderly relative takes their medicine
3. The sensor can be connected by App to a **“Superior Smart”** Light bulb that goes on/off when your door opens

Technical assistance

Should you need any further information/answer, please, don’t hesitate to contact us by e-mail at the address:
infowsuperior-electronics.com

Operation frequency bands

Frequency Range			
Test mode	CH	Result	Limit
		MHz	MHz
GFSK	C H 0	2401.56	>2400.0
	CH 78	2480.32	<2483.5
π /4 DQPSK	CH 0	2401.41	>2400.0
	CH 78	2480.23	<2483.5
8 - DPSK	CH 0	2401.08	>2400.0
	CH 78	2480.66	<2483.5
Test Result: PASS.			

Occupied Bandwidth		
Test mode	Occupied Bandwidth (MHz)	
	Lowest frequency	Highest frequency
GFSK	0.9325	0.9656
π /4 DQPSK	1.2542	1.2560
8 - DPSK	1.2084	1.2496
Test Result: PASS.		

SIMPLIFIED DECLARATION OF CONFORMITY :

Hereby. Superior 5rl declares that the radio equipment type is in compliance with full text of the EU declaration of conformity.

Radio-frequency Output power

Test site: RF site				
Cable loss: 0.6dB			Antenna Gain: 0dBi	
Sample speed	Sample speed 1 MS/s for power sensor			
Number of Burst	At least 10			
Mode	Condition	CH	Result Total e.i.r.p (dBm)	Limit e.i.r.p (dBm)
GFSK	Normal 25°C/12V	CH 0	3.47	<20
		CH 39	2.46	<20
		CH 78	1.87	<20
	-20°C/11V	CH 0	3.31	<20
		CH 39	2.52	<20
		CH 78	1.63	<20
	-20°C/12V	CH 0	3.22	<20
		CH 39	2.56	<20
		CH 78	1.71	<20
	55°C/11V	CH 0	3.14	<20
		CH 39	2.37	<20
		CH 78	1.68	<20
	55°C/12V	CH 0	3.23	<20
		CH 39	2.60	<20
		CH 78	1.78	<20
Conclusion: PASS				

Test site: RF site				
Cable loss: 0.6dB				Antenna Gain: 0dBi
Sample speed	Sample speed 1 MS/s for power sensor			
Number of Burst	At least 10			
Mode	Condition	CH	Result	Limit
			Total e.i.r.p （dBm）	e.i.r.p (dBm)
π/4 DQPSK	Normal 25°C/12V	CH 0	3.21	<20
		CH 39	2.47	<20
		CH 78	1.62	<20
	-20°C/11V	CH 0	3.17	<20
		CH 39	2.44	<20
		CH 78	1.69	<20
	-20°C/12V	CH 0	3.30	<20
		CH 39	2.64	<20
		CH 78	1.52	<20
	55°C/11V	CH 0	3.14	<20
		CH 39	2.65	<20
		CH 78	1.51	<20
	55°C/12V	CH 0	3.26	<20
		CH 39	2.49	<20
		CH 78	1.57	<20
Conclusion: PASS				

Test site: RF site				
Cable loss: 0.6dB			Antenna Gain: 0dBi	
Sample speed	Sample speed 3 MS/s for power sensor			
Number of Burst	At least 10			
Mode	Condition	CH	Result Total e.i.r.p (dBm)	Limit e.i.r.p (dBm)
8-DPSK	Normal 25°C/12V	CH 0	3.37	<20
		CH 39	2.65	<20
		CH 78	1.49	<20
	-20°C/11V	CH 0	3.31	<20
		CH 39	2.54	<20
		CH 78	1.56	<20
	-20°C/12V	CH 0	3.25	<20
		CH 39	2.48	<20
		CH 78	1.76	<20
	55°C/11V	CH 0	3.26	<20
		CH 39	2.69	<20
		CH 78	1.58	<20
	55°C/12V	CH 0	3.22	<20
		CH 39	2.71	<20
		CH 78	1.54	<20
Conclusion: PASS				

Remark: This Report only show the test plots of the worst case.

Documents / Resources

	SUPERIOR SMART Door/Window Wireless Sensor [pdf] Instructions Door Window Wireless Sensor, SUPiSW001