

DEXATEK

# Smart Shock Sensor Specification

# 1. Description

The Smart Shock Sensor is a wireless and compact sensor to sense and detect physical shock, sudden impact or break on glass. It can be used on variety glass types on windows or doors to guard your house.

An ultra low-power high performance three axes linear accelerometer (g-sensor) is embedded in the smart shock sensor, which can precisely detect and analyze shocks but ignore background vibration (false alarm).

The sensor connects to Dexatek Smart Gateway via Bluetooth 4.0 smart - Bluetooth Low Energy. With this linkage, you can receive notification or check its status on smart phone when events occur. Therefore, you will be able to response by actions instantly to protect property.

With Dexatek JobLink system and Smart Gateway, you can set your desired trigger event action to control the other Dexatek Smart Peripheral when the shock is detected.



## 2. Features

- Can protect variety types of glass including plate, tempered, wired and laminated
- Detection of gross attacks, strong shocks or break on glass, and continual tapping
- Adjustable sensitivity settings
- High immunity to background vibrations which can cause false alarms
- Quick and easy installation by using adhesive tape and mounting on to glass
- Battery life of up to 6 months
- $\Sigma$ Casa JobLink supported

## 3. Specification

Item	Description
<b>Bluetooth</b>	Bluetooth 4.0 Smart (Low Energy Support)
<b>G-sensor</b>	Ultra low-power high performance 3-axes “nano” accelerometer
<b>Power Supply</b>	CR2032 Lithium Ion coin cell 3.6VDC
<b>Current Drain</b>	0.16mA
<b>Battery life</b>	Over 6 months
<b>Battery Capacity</b>	210mAh
<b>Transmission range</b>	25m for mixed space, 100 m for open space
<b>Vibration Sensitivity</b>	Adjustable, default value 0.1g ~ 3.8g
<b>I/O</b>	Action button for pairing
	LED indicator for pairing
<b>Operating Temperature</b>	0 ~ 40°C
<b>Dimension</b>	35.1 x 32.85 x 8.9 (mm)

## 4. LED status

Color	Status
Blue	BLE broadcast for pairing (1 Second flash interval)

## 5. Accessories

- One CR2032Lithium coin cells
- One adhesive tape

## 6. System Required

- iOS - iOS 8.0 and above with Bluetooth Low Energy(Bluetooth 4.0)
- Android - Android 4.3 and above on Bluetooth 4.0 Smart Ready devices
- ΣCasa/SmartCasa App
- ΣCentral/Smart Gateway

## 7. Installation

- Before starting to use Dexatek Smart Shock Sensor, please make sure you have  $\Sigma$ Central/Smart gateway and  $\Sigma$ Casa App installed. If you don't have  $\Sigma$ Casa App on your smart phone, please download from Google Play for Android phone or Apple store for iPhone.



<https://itunes.apple.com/tw/app/casa-smarhome/id944794117?mt=8>

You can use either the QR code or the click the link to download  $\Sigma$ Casa App



<https://play.google.com/store/apps/details?id=com.SigmaCasa.SmartHome>

- **Pair with Dexatek Smart Gateway**

Please refer to [Smart Home Quick Installation Guide.pdf](#)

- **Install on the glass of door or window**

- (1) Test the location where you want to install first, make sure it has good connection with Dexatek Smart Gateway
- (2) Remove the top side of adhesive tape
- (3) Stick the sensor to the corner of glass on window or door

