

# **Door/Window Sensor**

## **Model: S4 Datasheet V1.0**

Part #	Description
S4-6001A	S4 is a two-piece wireless door/window sensor, including a main body and a magnet. Loaded with BLE5.0 hardware platform and a built-in magnetic sensor, it broadcasts door window status data. The S4 runs on battery.

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## 1. INTRODUCTION

A4S4 is a door and window sensor featuring BLE 5.0 technology, converts door and window status signals into corresponding digital signals, which are transmitted to mobile phones via Bluetooth. The status signals can be uploaded to the server to achieve remote monitoring, intelligent care, abnormal reminders, scene linkage, etc.

By detecting the opening and closing of doors and windows, the A4S4 can wirelessly notify users of arrivals and departures. The two-piece A4S4 consists of a main body, mounted to the door or window frame, and a magnet, to be mounted to the door or window. It adds security and automation to the existing smart IoT system.

## 2. FEATURE

- Simple design
- Tamper alarm
- Battery replaceable
- Bluetooth® 5.0 chipset nRF52 series
- Advertise door and window status data
- Maximum 100-meter advertising range
- Over the air firmware upgrade
- Easy to install sensor and magnet



A4S4 Door Window

## 3. APPLICATION

Coupled with MSensor APP, it can realize local or remote real-time monitoring of valued assets. It is suitable for security applications in different scenarios, such as warehouses, archives, hospitals, families, laboratories, workshops, supermarkets, collection halls, computer rooms, hotels, etc.



## 4. ACCESSORY

- Double-sided adhesive

## 5. ACTIVATE A4S4

- Remove the insulation sheet and the device is activated;

## 6. CONFIGURATION TOOL

- MSensor APP (iOS & Android available)
- Power off is unavailable.

## 7. CERTIFICATION

- Bluetooth® EPL Certification
- FCC Regulation
- CE Regulations

## 8. PARAMETERS

Item	Value	Remarks
Color	White	Colors can be customized
Battery Model	CR2032*1	Lithium battery
Operation Voltage	3.0V	DC
Transmission Current	220mAH	Null
Transmission Range	100 meters	Maximum
Antenna	50ohm	PCB Antenna
Working Temperature	-20~60°C	Null
Working Humidity	0~95%RH	Non-condensing
Material	ABS	Null
Weight	26.6g	Battery included
Battery life	13 months	If triggered frequently, life is shortened
Main body size (L*W*H)	55x26.2x13mm	Null
Magnet size (L*W*H)	38.5x12.5x11mm	Null
Data storage	2,000 records	Maximum

## 9. PARAMETER SETTING

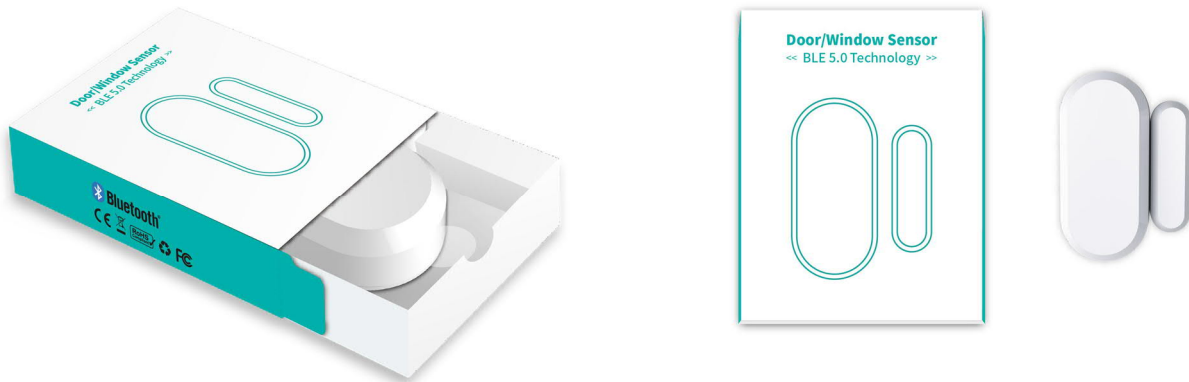
A4S4 Door/Window Sensor will be pre-configured by the factory before shipping. Main parameters and default settings are as follows.

Type	Item	Default Settings
Basic Parameter	Radio Tx power	0dBm (-20~+4dBm)
	Connectable	yes
	Password	Ase12345
	Storage switch	turn off by default
	Connection Configuration Distance	25 meters
	Advertising range	100 meters
Extra Function	Restore factory default	available
	Storage switch	available
	Device Name	configurable
	Room	configurable
	Firmware upgrade	available

## 10. TECHNICAL DOCUMENTS

Item	Version	File Name	Date
Datasheet	V1.0	A4S4 Door/Window Sensor Datasheet V1.0.	23 <sup>rd</sup> June, 2020
MSensor	V1.3.1	iOS and Android available	1 <sup>st</sup> June, 2020
SDK	V1.3.1	iOS and Android available	28 <sup>th</sup> May, 2020

## 11. PACKING INFORMATION



Details	Box	Carton
Quantity (P1)	32pcs	320pcs
Size	30.5 x 11 x 7.5 cm	32 x 23.5 x 40 cm

<END>