Door/Window Sensor

Model : 4S

Datasheet：V1.0.0

Part #	Description
4S-A1006	4S 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 4S runs on battery.

CONTENT

1. INTRODUCTION

4S is a door and window sensor based on BLE5.0 technology, which converts the door and window status signal into digital data and transmits it to the XENTRACK Gateway through Bluetooth.

4S data can be uploaded to the local server via XT-gateway to realize remote monitoring, intelligent nursing, abnormal warning, scene linkage, etc.

4S wirelessly informs users of arrival and departure by detecting the opening and closing of doors and windows. The two-piece 4S consists of a body mounted on the door or window frame and a magnet mounted on the door or window. It increases the security and automation of 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

4S Door Window Sensor

3. APPLICATION

Coupled with Xenex.io 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 4S

- Remove the insulation sheet and the device is activated;

6. PARAMETERS

Item	Value	Remarks
Color	White	Colors can be customized at 1000 MOQ
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℃	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

7. PARAMETER SETTING

4S 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	nipp4555
	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