

图纸发布类别: **正式归档图纸**


成品尺寸	60x60mm
展开图尺寸:	360x120mm
公差:	±1mm

单位: mm

60.00 mm
60.00 mm

### SMART WiFi PIR Motion Sensor

Wi-Fi Version  
Model: WIFI-703  
Version: 1.0



**Product Description**  
The core component of the smart motion sensor is the infrared sensor (PIR sensor), which works through the cooperation of the optical system to detect the thermal radiation in a certain area. When someone moves in the detection area, the infrared thermal radiation of the detector will change. The detector uses a fully digital CPU processor, adopting automatic temperature compensation technology to prevent low sensitivity caused by the temperature variation. It adopts the IoT technology to connect the infrared detector to the cloud platform, make users to receive alarm information in the first time.

**Applicable Place**  
Suitable for residential, shopping malls, warehouses, restaurants, parking lots, libraries, schools, hospitals, etc.

**Function Description**  
1. Improved passive infrared sensor with higher precision.  
2. Customized Fresnel lens, more stable and reliable.  
3. Specialized detector angle design.  
4. Support alarm light signal, network indicator.  
5. Support on-site alarm (LED flashing) and remote alarm (push to mobile APP via Wi-Fi connection cloud platform).  
6. Long-life power supply design, the battery can work 1 year after fully charged.  
7. Support low power detection, daily inspection.

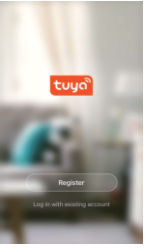
**Electrical Specifications**  
Operating voltage: 3.7V 900mA Lithium battery (5V/1A micro USB charging port)  
Detecting distance: <math>\leq 9</math> meters  
Detecting angle: 115°  
Power consumption: max current <math>\leq 90mA</math>, standby current: <math>\leq 20\mu A</math>.  
Wi-Fi: 2.4G frequency support  
Working temperature: -20~50 °C

Working humidity: 10%~95% RH  
Installation way: wall-mounted / ceiling-mounted  
Anti-white light interference: <math>\leq 0.000LUX</math>  
Application environment: indoor

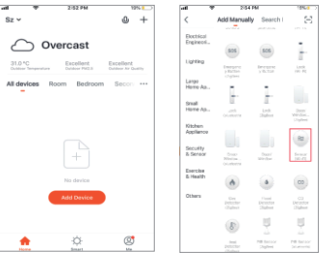
**Installation and Test**  
Note: Make sure the APP configuration is completed before installation.  
1. Choose the right installation position, usually at the building entrance, corridor, etc.  
2. The best installation height is from 1.8 to 2.2 meters to avoid alarms caused by small animals' movements.  
3. Turn on the switch by pushing the button of the device to the "on" status, the red LED will be on and the sensor warns up for 30 seconds until the LED goes out. Configure the local network, the red LED will be on for 1 second after triggering the alarm, the APP interface displays an alarm information at the same time. It needs to wait for 30 seconds to be triggered again. If the Wi-Fi configuration is failed, the infrared triggering interval is 8 seconds.  
4. Install the motion sensor on the wall, the angle is adjustable.  
5. When the battery power is low, the APP interface will display low battery, please charge it in time. When the blue indicator is off, the charging is finished.

**Precautions**  
1. It is not advisable to install it by facing to the glass doors and windows, in order to prevent white light interference.  
2. It is not advisable to install it face to the large objects that moves frequently, it will cause the changes of the infrared rays and lead to false alarm.  
3. It is not advisable to install it face to the hot and cold vents, it will cause the changes of the infrared rays and lead to false alarm.  
4. The detection area should not have any obstacles.

**APP instruction**  
1. Download "Smart life" APP  
Search "Smart life" in application market to download and install the App.  
2. Registration  
Click the APP and register an account according to the wizard.

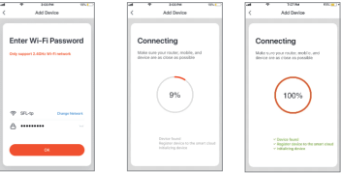


3. Add or delete devices  
Click the APP and log in, click Add Device → Security Sensor → Sensor (Wi-Fi)

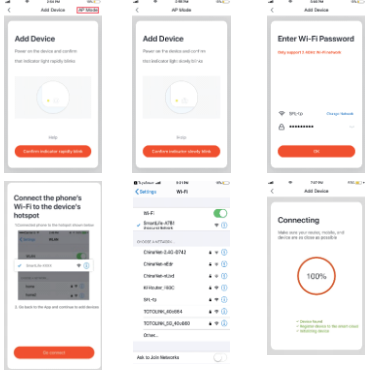


Input the Wi-Fi SSID and password according to the APP prompt and start connection, wait about 60 seconds to complete the device's network configuration and its connection to the Tuya cloud server, synchronization with the APP. It will jump to the APP operation and monitoring interface directly when the device is added completely.  
You can modify the device name or share the device to other people on the APP directly. The device operation interface can see its status, alarm, offline and alarm release, etc., check history records and other setting options.

**Smart Link mode**  
When configuring in SMART LINK mode, make sure that the Wi-Fi network connect to the Internet normally, then ensure the APP and the device work in the same Wi-Fi network. Input the SSID and password to connect the device with cloud server to accomplish the configuration. If need different Wi-Fi network, use "Change network" through the APP.

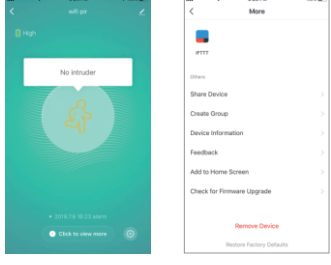


**AP mode**  
When configuring in AP mode, make sure that the Wi-Fi network connected to the Internet normally, then ensure the APP and the device work in the same Wi-Fi network. Input the SSID and password to run the APP (mobile or tablet) by connecting to the Wi-Fi network "SmartLifeXXXX" in the AP mode. (Select by the Wi-Fi network list, return to the APP when connected successfully, it will complete configuration automatically.)

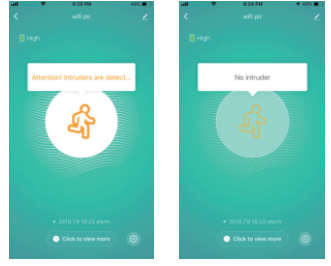


When the device is added to the Tuya smart user account, the indicating light will be off, the APP will jump to the operation interface, indicates that the device is added successfully. If not succeed, repeat the steps until it is added successfully.

**Delete device**  
Select the "off" icon to enter into the operation interface of the device. Click "Remove device" to delete it.

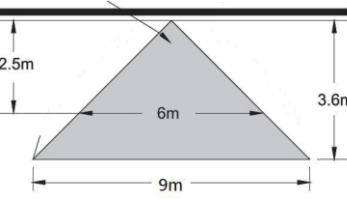


**PIR detection alarm**  
When the IR sensor is triggered, the alarm data will be delivered to the cloud server, the cloud server will transmit the alarm information to the APP simultaneously. The APP interface displays as below:



**Other operations**  
Other operations of the device and APP please pay attention to the design and updates of the APP and the device.

**Detection area**



材质	105g铜版纸	客户	产品名称	红外探测器	物料名称	红外探测器彩盒	设计	
印刷色	单印灰		型号	WIFI-703	物料编号		审核	
加工工艺	风琴6折页 正反印刷		设计编码				时间	2019/08/30
接合方式	/							

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.