Aqara Motion Sensor

Product Specifications

Table of Contents

Revision Record

Edition	Revised Content	Editor	Date
V1.0	1. Initial edition	Wu Cuiting	20180516

1. Product Description

1.1. Product Overview

Aqara motion sensor utilizes infra-red light to detect movement in the environment. It can be used with other smart devices to create a variety of automated settings, for example, turning on lights when the room is occupied or turning off lights when vacant. Tool-less installation; simply place or stick in required areas.

*The product must be used with Hub compatible devices.

*To use this product with HomeKit, an Aqara Hub is required. For more information, please visit www.aqara.com

*The product is limited to indoor use. Please connect to the Hub before use.

1.2. Three-view Diagram of the Product

1.3.   Product Selling Point

A sensor able to detect human movements in an environment.

Because of communications between smart devices, smart settings, such as automated night lights, can be implemented.

Sensor holder included, 360° rotation, 90° adjustable sensing angle.

No need for complicated wiring, all you need is to put the product to any place you want.

2. Product Parameters

2.1. Basic Parameters

Category	Description
Product Brand	Aqara
Product Name	Motion sensor
Product Model	RTCGQ11LM
Product Dimensions	30 × 30 × 33mm
Product Color	White
Product Material	ABS+PC
Battery Model	CR2450
Product Gross weight	18g
Product Net Weight	63g

2.2. Wireless Parameters

Category	Description
Wireless	Zigbee

Connection	
Wireless Standard	IEEE 802.15.4
Connection Distance	200M open ground

2.3. Environmental parameters

Category	Description
Operating Temperatures	−10℃ ~ +45℃
Operating Humidity	0~95% RH, Non−condensing

3. Product Information

3.1. Button Functions

Button Action	Description
3 second long press	Reset network
Press once	Looking for device and verifying communication distance.

3.2.　Installation Instructions

Method 1: Directly place in sensing area;

Method 2: Remove the protective film from the tab (round adhesive tab included) and stick the device on a surface in sensing area;

Method 3: Stick the sensor on the holder then stick the holder on a surface in sensing area.

***To ensure stable connections, please avoid placing the sensor on metallic surfaces.**

3.3.　Instruction Manual

Open the app and select the "+" in the upper right corner of the main page. Enter the add accessory page and select the Motion Sensor then follow the instructions on screen.

*If addition fails, move the Hub closer to the product and try again.

Effective distance verification: Press the device reset button. **The Hub should play a notification sound to indicate if the devices are able to communicate effectively.**

Searching for device: Open the app and enter the "device list (accessories)" **page. Press the device reset button. The Hub will play a notification sound while the corresponding device icon will flash in the app.**

*Only the Aqara Home app supports this function.

4.　Product Testing Information

4.1.　Reliability and Quality Testing

Product name	Tested item	Details	Source
Motion	RoHS	Entire product,	Precious

sensor		every component	Technology
	Fall test	1.2M	Testing Technological Service
	High/low temperature test	−10℃ ~ 45℃，48 hours under high/low temperature testing	Testing Technological Service

4.2. Certification Information

Category	Description
Certification Information	FCC ID: 2AKIT‑ RTCGQ11LM IC: 22635‑ RTCGQ11LM SRRC：CMIIT ID: 2016DP7174