

LoRaWAN PIR Motion Sensor

DESCRIPTION

RisingHF RHF1S020 Series sensors are designed for indoor intelligent building and Healthy Home applications. PIR Motion Sensor includes a pyro-electric Elements based passive infrared detector and a matched Fresnel lens. The ideal using case is to place the sensor in a room to detect if there is person motion or not. It is powered up via a common 3.6V ½ AA Lithium Thionyl Chloride battery, typical battery life 3 years without maintenance.

PIR Motion Sensor has three working mode, Periodic reporting mode, intrusion Alarm mode and Room occupation mode which are user configurable.

RHF1S020 Sensors support plug & play for global LoRaWAN network operation.



APPLICATIONS

- Intelligent Building
- Security
- Home Health
- Smart Office
- Energy saving
- Wireless intrusion alarm

FEATURES

- ◆ RF TX power up to 19dBm, Sensitivity down to -140dBm
- ◆ Proprietary RisingHF LAP protocol, Enrich device management and control, Downlink parameter configure
- ◆ Global LoRaWAN scheme support, plug and play for user
- ◆ Full frequency band 470/868/915MHz available
- ◆ Multi- Application mode , Periodic reporting mode, intrusion Alarm mode and Room occupation mode which are user configurable

- ◆ Detection area typical 4.5m distance (configurable) with angle 123 ° horizontal and 93 ° vertical
- ◆ Enhanced dual-LED, more friendly user indication interface
- ◆ High performance antenna design: -4dBi peak gain @470 MHz, -2dBi peak gain @868/915 MHz
- ◆ Upgrade over the air, easy for maintenance
- ◆ Field testing mode to evaluate Network quality
- ◆ Optimized power consumption, Low power for 3 years battery life
- ◆ 3M adhesive installation, easy to deploy

ORDERING INFORMATION

Model	Description
RHF1S020PMS-470	PIR Motion Sensor, 470MHz
RHF1S020PMS-868	PIR Motion Sensor, 868MHz
RHF1S020PMS-915	PIR Motion Sensor, 915MHz

CONTACT

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