



## PD-V19 5.8GHz 360°/180° Microwave Motion Sensor

### Application

- Intelligent switch
- Wall-hung switch
- Intruder detect

### Feature and advantage

- Low wireless power output
- Low power consumption
- Non-contact detection
- Easy to connect with the controller
- Low noise output

PD-V19 5.8GHz 360°/180°Microwave Motion Sensor is a C-Band Bi-Static Doppler transceiver module. It's built-in Resonator Oscillator (CRO). This module, V19 adopts flat Plane Antenna, suitable for wall mounting. It can improve its front signal receiving ability and reduce its flank blind area. Its performance is better than the sensors in the market.

This module is ideally suitable for occupancy sensor in automatic lighting switches. It can also be used for ceiling mount intruder detectors.

**According with EN 300440、EN 62479**

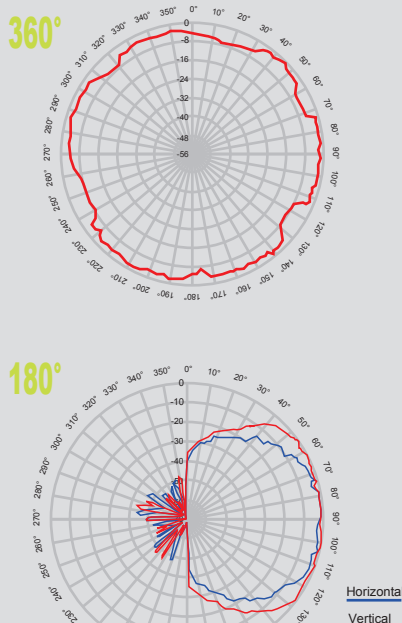
**RED directive - 2014/53/EU**

**According with FCC Part 15.249**

**According with EN 62321,ROHS directive - 2011/65/EU**

**According with REACH directive - 1907/2006/EC**

### Antenna Beam Pattern



### FCC Statement:

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

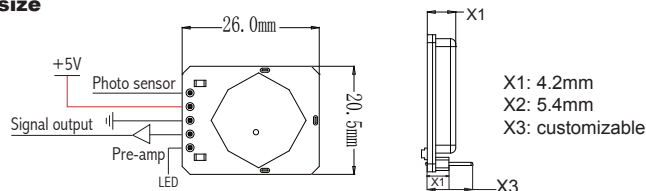
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### FCC Radiation Exposure Statement:

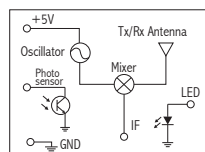
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

### Products size



Note: X height can be customized according to customer requirements.

### Block diagram and connection



| Parameter             | Symbol    | Min   | Typ           | Max   | Units | Notes              |
|-----------------------|-----------|-------|---------------|-------|-------|--------------------|
| Frequency Setting     | Fstandard | 5.725 | 5.8           | 5.875 | GHz   |                    |
| Radiated Power (EIRP) | Pout      |       | 3.54          |       | dBm   |                    |
| Supply Voltage        | VCC       | 4.75  | 5.0           | 5.25  | V     |                    |
| Current Consumption   | ICC       | 10    | 12            | 14    | mA    | FCC                |
| Current Consumption   | ICC       | 13    | 15            | 17    | mA    | CE                 |
| Operating Temperature | TOP       | -30   | 25            | 105   | ℃     |                    |
| Storage environment   | TSTG      |       | 0-40          |       | ℃     | 20-70% RH humidity |
| Products size         |           |       | 26.0x20.5x5.4 |       | mm    |                    |
| Weight                | Weight    | 3.3   | 3.8           | 4.3   | g     |                    |

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