DOPPLER SENSOR

Signal output TTL

Operating voltage and current

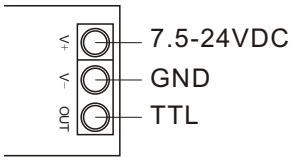
Input voltage: 12VDC

Voltage range: 7. 5-24VDC

Power supply mode: Continuous power supply

Working current: <45mA

Pin diagram



Function discription

1.Input DC voltage source 7.5-24V for 5 seconds to initialize as shown above,OUT outputs 5V high power level.

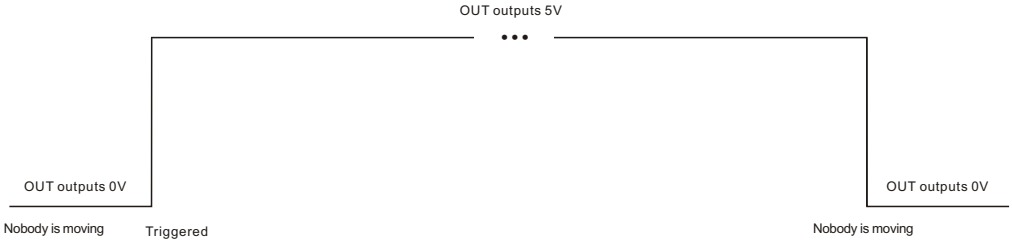
2.OUT outputs 0V low power level when no one is moving within detection range.

3.OUT outputs 5V high power level when someone is moving within the detection range (effective triggering) and if the movement is continuous, the OUT output will be 5V high power level continuously.

4.OUT outputs 0V low power level after people leave and no effective movement is detected.

LED light turns on when OUT has 5V high power level output signal,
LED light turns off when OUT has 0V low power level output signal

Timeline



Product discription

This product is a microwave detector with signal processing (sensor), including a microwave module and a signal processing board, can be used for intelligent lighting controller or other intelligent Home Furnishing products, When connecting with external, you only need to connect the external power supply and alarm output signal.

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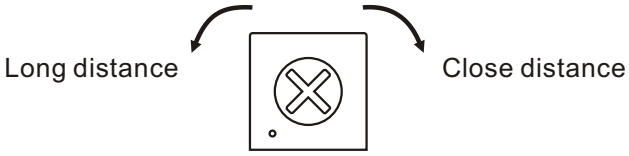
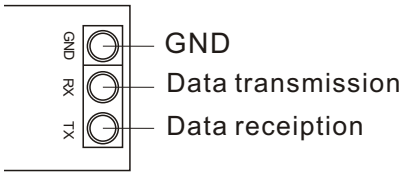
Set up range

Rotate potentionmeter to appropriate range.



Pin diagram



Baudrate: 115200

Serial protocal

Power level setting
LEVER=XX (1-255, default 20)

Enabling time setting
SEC=XX (1-255, default 20) unit:1 second

Detected pulse number setting
CNT=XX (1-10, default 3)

Light sensitivity (for illumination product only)
LUX=XX (1-255, default 100)
Formula：100÷255×5V=1.96V

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.