

# Operating Instructions

Make your choice...

## M-204F Passive infrared sensor



### 1 Safety Instruction



Thanks so much for your purchasing, Please read this instruction before using.

### 2 Overall Characteristics

<p>Zoom screws Zoom scale</p> <p>LED indicator: Sensor activation in Red LED; Sensor standby state in Green LED.</p> <p>Swivel bracket Sensitivity adjustment Optical lens cover Cover/fresnel lens</p>	<p><b>Input and output wiring diagram</b></p> <table border="1"> <tr> <td>1</td> <td>● AC/DC</td> <td rowspan="2">Power input</td> </tr> <tr> <td>2</td> <td>● 12~30V</td> </tr> <tr> <td>3</td> <td>● COM</td> <td>Common point</td> </tr> <tr> <td>4</td> <td>● NO</td> <td>Normally open point</td> </tr> <tr> <td>5</td> <td>● NC</td> <td>Normally close point</td> </tr> </table>	1	● AC/DC	Power input	2	● 12~30V	3	● COM	Common point	4	● NO	Normally open point	5	● NC	Normally close point
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### 3 Mounting and Adjustment

<p><b>Concealed Installation</b></p> <p>After hidden installation and fixation, if there is a deviation in the sensor range, the sensor body can be rotated moderately (about <math>\pm 6^\circ</math>) to make the system work normally.</p>	<p><b>Surface Installation</b></p> <p>Fixed the mounting bracket first, and rotate the sensor body.</p>	<p><b>Sensitivity adjustment:</b> Adjust clockwise, the sensitivity becomes higher, adjust counterclockwise, the sensitivity becomes lower.</p>
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### 4 Zoom ranges

<p>Zoom position: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</p> <p>Detection Area</p>	<p>mm</p> <p>2100</p> <p>800 1500</p> <p>1600 3000</p>	<p>mm</p> <p>A B</p> <p>300 800</p>	<p>mm</p> <p>A B</p> <p>2100</p> <p>500 1000</p>
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Detection area changes according to the zoom setting. Optical numerical 0 obtains the minimum detection area.

Detection area changes according to the zoom setting and diaphragm.

### 5 Technical Parameters

<p>Operating voltage: AC/DC 12~30(-0%+15%)</p> <p>Static current: 6mA(12V power)</p> <p>Action current: 18mA(12V power)</p> <p>Working temperature: -40°C~ 60°C</p> <p>Max installation height: 3.5 meters</p> <p>Max detection area: 3×1.5 meters</p>	<p>Lowest detection speed: 0.1m/s</p> <p>Output holding time: 0.5 seconds</p> <p>Tilt adjust range: 0° ~ 6°</p> <p>Dimension(Exposed installation): 110(L) × 40(W)× 49(H)mm</p> <p>Dimension(Concealed installation): 72(L) × 25(W)× 63(H)mm</p> <p>Total Weight: 135G</p>
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