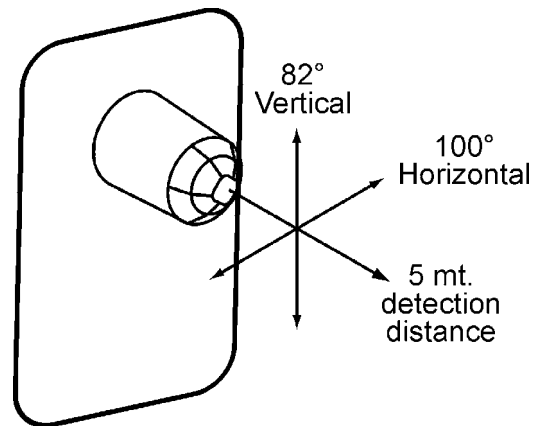
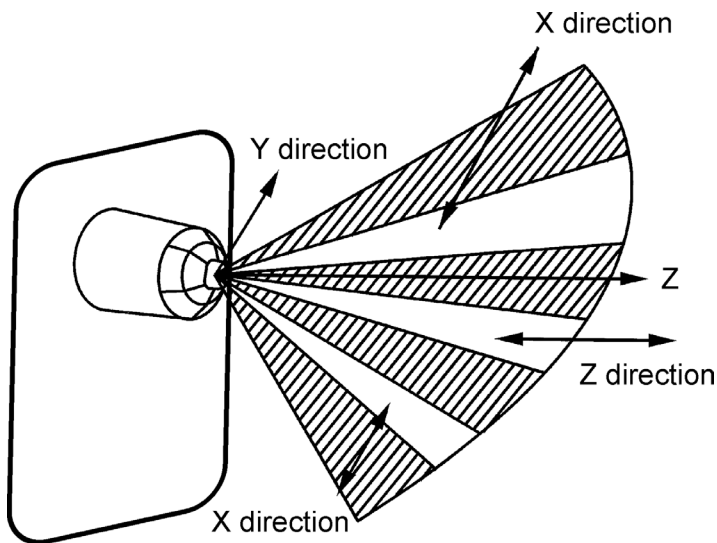


**INSTALLATION:**

Install the sensor so that people will be entering from the X or Y direction shown above. If people approach the sensor from the Z direction, the detection distance will be shortened.

Operating Voltage:	+12VDC
Current absorption:	3mA.
Circuit stabilization Time:	30 sec. max. Once the sensor is powered on, its output does not assume the fixed ON or OFF condition until the steady stage is completed, independently from object detection.
Operating temperature:	0 to +50°C.

NOTES**1. Checkpoints relating to principle of operation**

MP motion sensors are passive infrared sensors which detect changes in the infrared rays. They may fail to detect successfully if a heat source other than a human being is detected or if there are no temperature changes in or movement of a heat source. Care must generally be taken in the following cases. The performance and reliability of the sensors must be checked out under conditions of actual use.

Cases where a heat source other than a human being is detected.

- 1) When a small animal enters the detection range.
- 2) When the sensor is directly exposed to sunlight, a vehicle's headlights, an incandescent light or some other source of far infrared rays.
- 3) When the temperature inside the detection range has changed suddenly due to the entry of cold or warm air from an air-conditioning or heating unit, water vapor from a humidifier, etc.

Cases where it is difficult to detect the heat source

1) When an object made of glass, acrylic or other subject which far infrared rays have difficulty passing through is located between the sensor and what is to be detected.

2) When the heat source inside the detection range hardly moves or when it moves at high speed; for details on the movement speed, refer to the section on the performance ratings.

2. When the detection area becomes larger

When the difference between the ambient temperature and body temperature is large (more than 20°C 68°F), detection may occur in isolated areas outside the specified detection range.

