

# Microwave Motion Sensor (MCS-HR50)



## Instruction Manual

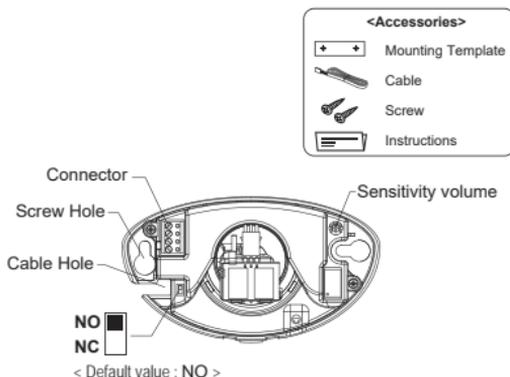
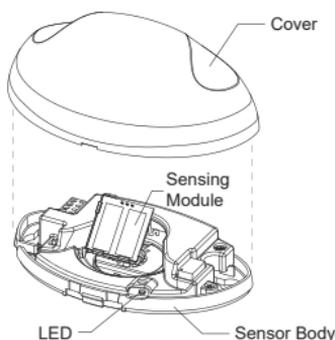
The MCS-HR50 is a high performance motion detection sensor specifically designed for the activation of automatic doors. For the safe and accurate use of this product, please read this instruction manual carefully.

### 1 Technical specifications

**Operating Voltage :** DC 12~30V, AC 12~24V  
**Dimensions :** 120mm x 70mm x 41.5mm (W x L x H)  
**Microwave Frequency :** 24.125GHz  
**Hold Time :** 1.2 Sec.  
**Detection Range :** 4m x 3m (W x D) (Height 2.2m)

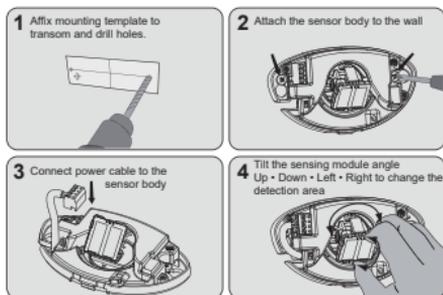
**Power Consumption :** < 1.4W  
**Relay Rating :** 0.5A/125VAC, 1A/24VDC  
**Max Install Height :** 4.0m  
**Operating Temp/Humidity :** -20°C~+60°C/0~90%  
**Protection Rating :** IP54

### 2 General Information



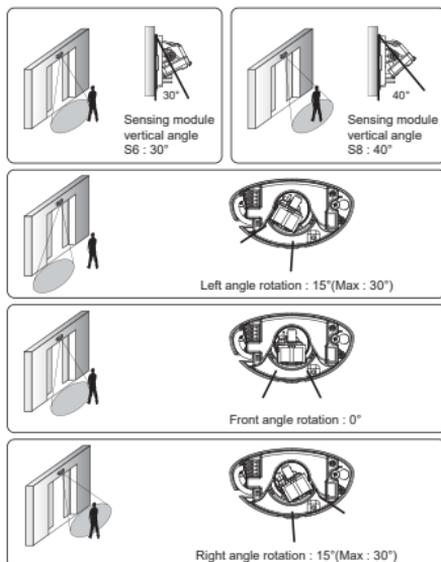
### 3 Installation Guide

⚠ Do not supply power during installation.  
 Do not disassemble or modify the device, it may cause fire or electric shock.

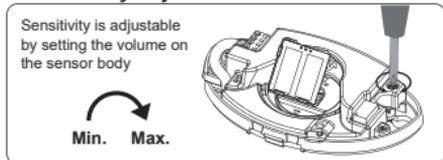


### 7 Detection Area Position Adjustment

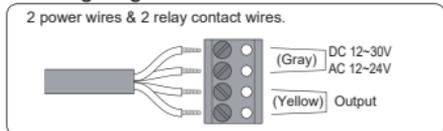
Adjust the Sensing module up and down to achieve a detection area close to or far from the door.  
 Adjust the Sensing module to the right and left to achieve the desired side approach detection area.



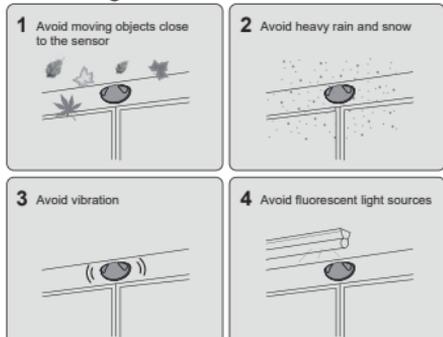
### 4 Sensitivity Adjustment



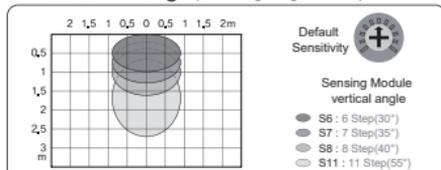
### 5 Wiring Diagram



### 6 Mounting Information



### 8 Detection Range (Mounting Height : 2.2m)



NOTE The specifications of this product can be changed without prior notice

### 9 Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.