

# Microwave Motion Sensor (HR50)

Instruction Manual

# CE 2150



HOTRON LTD.

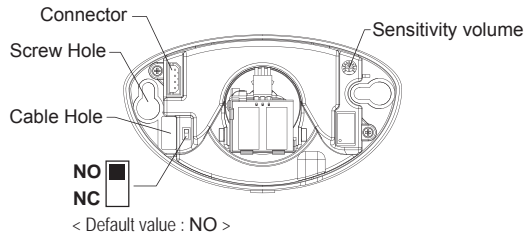
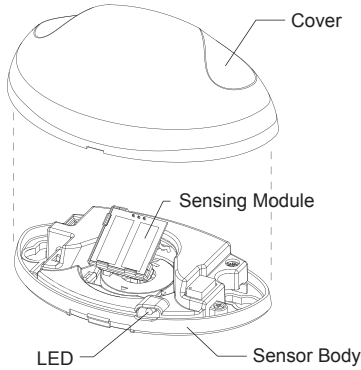
The HR50 is a high performance motion detection sensor specifically designed for the activation of automatic doors. For the safe and accurate use of this product, please read this instruction manual carefully.

## 1 Technical specifications

**Power supply :** DC 12~30V, AC 12~24V  
**Product Size :** 120mm x 70mm x 41.5mm (W x L x H)  
**Microwave module :** 24.125GHz  
**Hold time :** 1.2 Sec.  
**Detecting field :** 4m x 3m (W x D) (Height 2.2m)

**Current consumption :** < 1.4W  
**Contact capacity :** 0.5A/125VAC, 1A/24VDC  
**Max Install height :** 4.0m  
**Operating Temp/Humidity :** -20°C~+60°C/0~90%  
**International Protection :** IP54

## 2 General Information



- <Accessories>**
- Mounting Template
  - Cable
  - Screw
  - Instructions

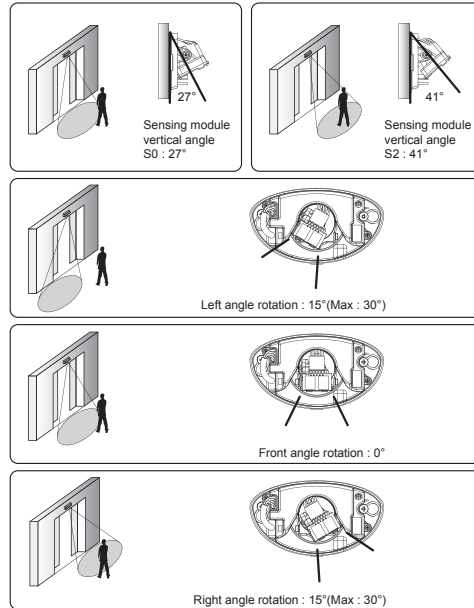
## 3 Installation Guide

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

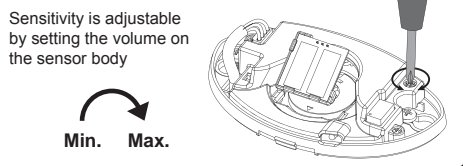
- 1** Affix mounting template to transom and drill holes.
- 2** Attach the sensor body to the wall
- 3** Connect power cable to the sensor body
- 4** Tilt the sensing module angle Up • Down • Left • Right to change the detection area

## 7 Detection Area Position Adjustment

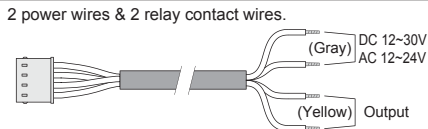
Adjust the Sensing module up and down to achieve a detection area close to or far from the door.  
 Adjust the Sensing module to the right and left to achieve the desired side approach detection area.



## 4 Sensitivity Adjustment



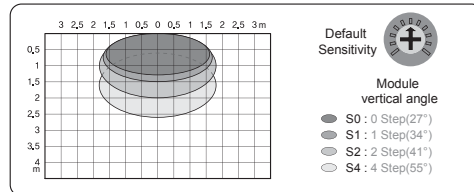
## 5 Wiring Diagram



## 6 Mounting Information

- 1** Avoid moving objects close to the sensor
- 2** Avoid heavy rain and snow
- 3** Avoid vibration
- 4** Avoid fluorescent light sources

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



## 9 Weather Cover (sold separately)



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