

# SSR-3 Quick Installation Guide



### 1. MOUNT THE SENSOR

Using the mounting template supplied mount the sensor within 50mm of the bottom of the door controller cover

### 2. SET MAIN DIPSWITCHES AS ILLUSTRATED

#### Dip Switch (X)

- 1: Presence Timer: 30s
- 2: I.R Frequency (Change if another SSR-3 is close by)
- 3: Monitor Mode: Normal
- 4: Safety Relay Output: N.C
- 5: Reflection Diagnostics: OFF

#### Dip Switch (Y)

- 1: Direction Detection: ON
- 2: Activation Output: N.O.
- 3: Radar +IR rows 2+3/ Radar only
- 4: Door Hold Open: OFF
- 5: Door Learn: OFF
- 6: Test Input: ON (Set to OFF for Non-EN16005 doors)

### 3. CONNECT TO THE DOOR CONTROLLER

**Note:** For EN16005 door controllers set Y6 to "ON" and connect the Gray & Brown wires to the door controller. If the door controller does not have a "TEST INPUT" set Y6 to "OFF" and do not connect the Gray & Brown wires

### 4. LED INDICATORS

<b>Green</b>	Standby (Ready to Detect)
<b>Green blinking</b>	Doorway Learning (When dip switch Y5 is ON)
<b>Blue</b>	RADAR Detecting
<b>Red</b>	Infrared Detecting Or RADAR and Infrared Detecting at the same time
<b>Orange</b>	Sensor is detecting the moving door
<b>Orange blinking (Fast)</b>	Change of dip switch settings
<b>Orange blinking (Slow)</b>	Door Hold is turned ON (Y4)
<b>Green/Red blinking (Fast)</b>	Internal Sensor Error
<b>Green/Red blinking (Slow)</b>	Reflected infrared signal from the floor is very weak

### 5. SET SAFETY DETECTION AREA

**Note:** Adjust the depth adjustment lever arm so that the detection area is directly in front of the moving door leaf

### 6. SET DESIRED DOOR OPENING DETECTION AREA

#### RADAR Detection Area Adjustment

Installation height "2.2m" with Sensitivity set to "High".

RADAR antenna angle adjustment

RADAR sensitivity adjustment

#### Infrared Detection Area Width Adjustment

Separation → Put on

Narrow → Wide

### 7. DOOR LEARN

Turning Door Learn ON (Y5), allows the 1<sup>st</sup> row of detection to be focused inside the door close area without detecting door movement. When Door Learn is turned on, the red LED will blink once, followed by a green blinking LED, which will turn solid green once the door learn process has been completed.

1<sup>st</sup> row of detection in front of the moving door (OFF)

1<sup>st</sup> row of detection inside of the moving door (ON)

### 8. OTHER USEFUL DIPSWITCH SETTINGS

Output Radar (Dip Switch: Y3)	☆ OFF	ON
Snow Mode (Dip Switch: X5)	☆ Normal	Snow
Adjust sensor frequency settings to prevent cross interference between sensors in close proximity (Dip Switch X3,4)	☆ A	B C D
Turn ON/OFF Uni-directional detection (Dip Switch: Y1)	OFF	☆ ON