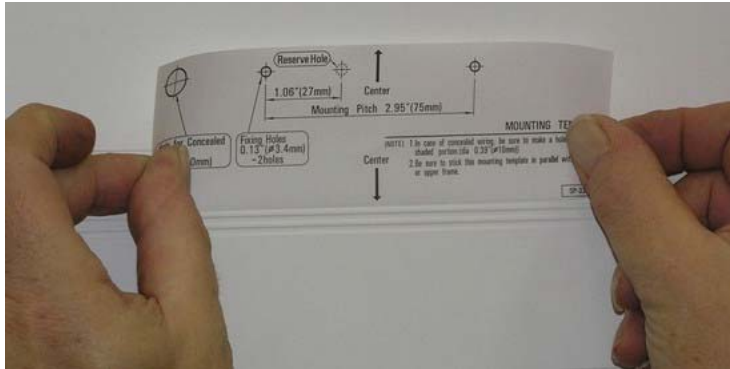


Installation  
instructions  
for  
HR94D1



# HR94D1 Side Screen Safety sensor mounting preparation

1. Stick mounting template on the door drive cover and drill holes as outlined



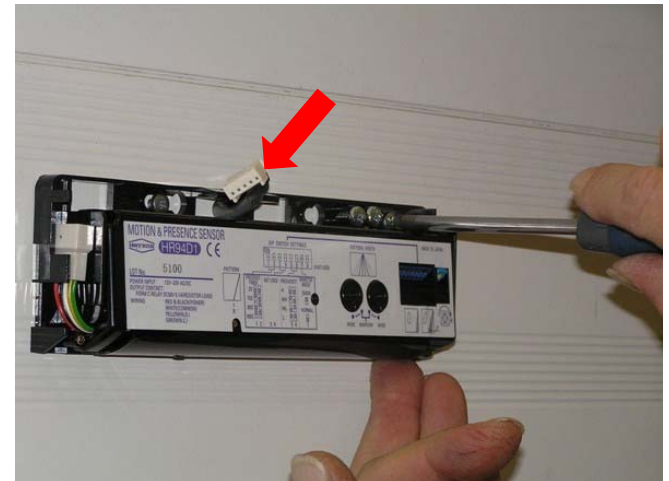
2. Remove cover from HR94D1 sensor as indicated below



3. Feed sensor cable through the larger hole as shown.



4. Using the screw holes drilled and screws provided with the sensor attach the sensor to the door drive cover. (Ensure the cable is brought through the rectangular hole at the top of the sensor as indicated below)





# HR94D1 Side Screen Safety sensor mounting preparation

5. Connect male/female connectors as shown



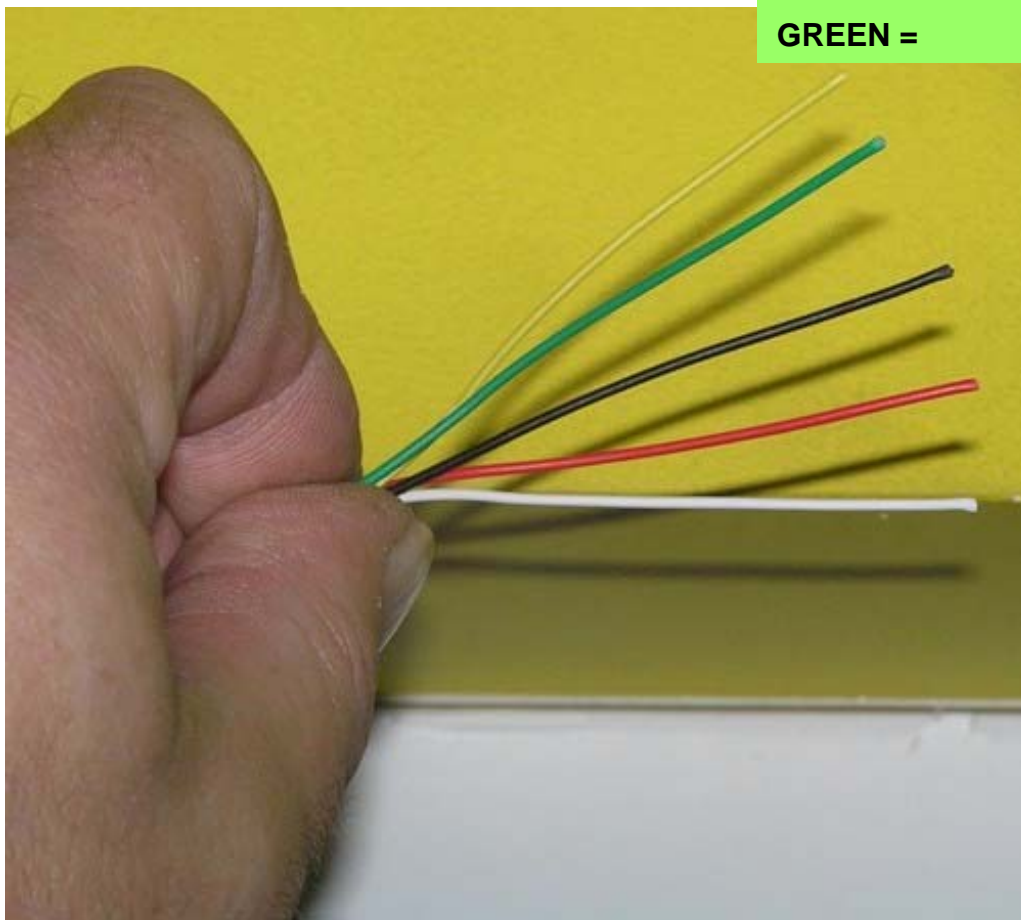
6. Tidy cable away as below



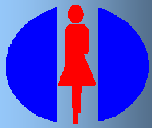


## HR94D1 Side Screen Safety sensor wiring

<b>RED/BLACK =</b>	<b>POWER</b>
<b>WHITE =</b>	<b>COMMON</b>
<b>YELLOW =</b>	<b>N.O RELAY OUTPUT</b>
<b>GREEN =</b>	<b>N.C RELAY OUTPUT</b>

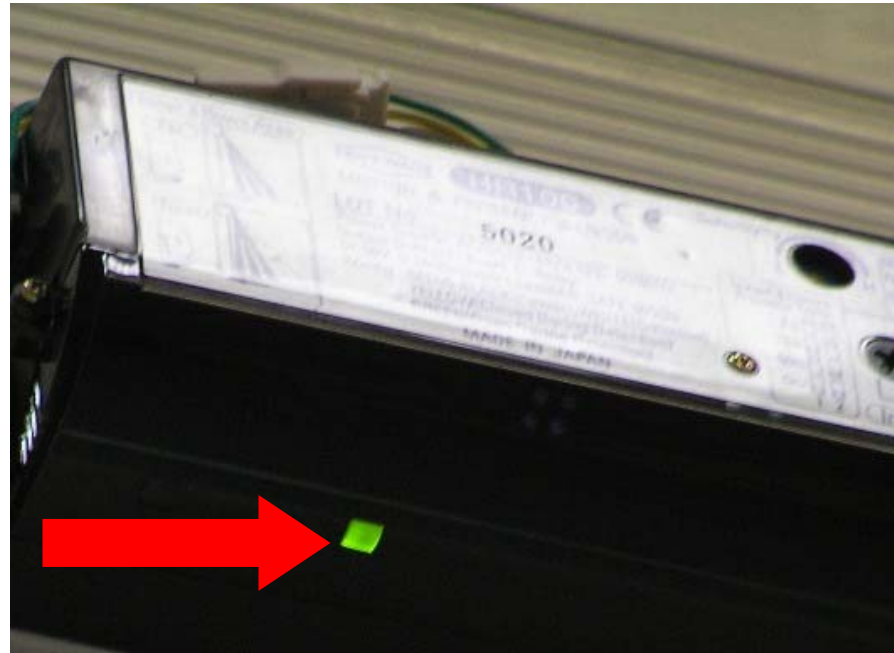


**7.** Wire the HR94D1 into the appropriate circuit of the door controller, place the door drive cover back into position. Turn on power and clear the detection area.

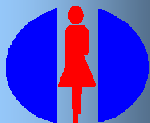


## HR94D1 wiring

8. The LED on the underside of the HR94D1 should indicate that power is been delivered to the sensor.



<b>Green LED =</b>	<b>Ready to detect</b>
<b>Red LED =</b>	<b>Detecting</b>
<b>Orange LED =</b>	<b>Detection row 1 is focused too close to the door and is actually detecting door motion</b>
<b>Flashing Red &amp; Green</b>	<b>Sensor is faulty</b>



# HR94D1dipswitch set-up

## 9. Set dipswitches as required

### Presence timer all 4 rows

- ☆ 2 Secs
  - 15 Secs
  - 60 Secs
  - 180 Secs**
- 1 2

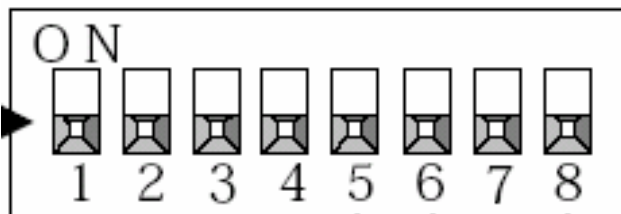
**Recommended = 60 sec**

Not used

### Frequency settings

- H ☆
  - MH
  - ML
  - L
- 5 6

If HR94D1 side screen safety is used on the same side of the door as HR100 then the recommended settings are shown on the following page



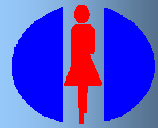
### Snow Mode

- Snow
  - Normal ☆
- 7

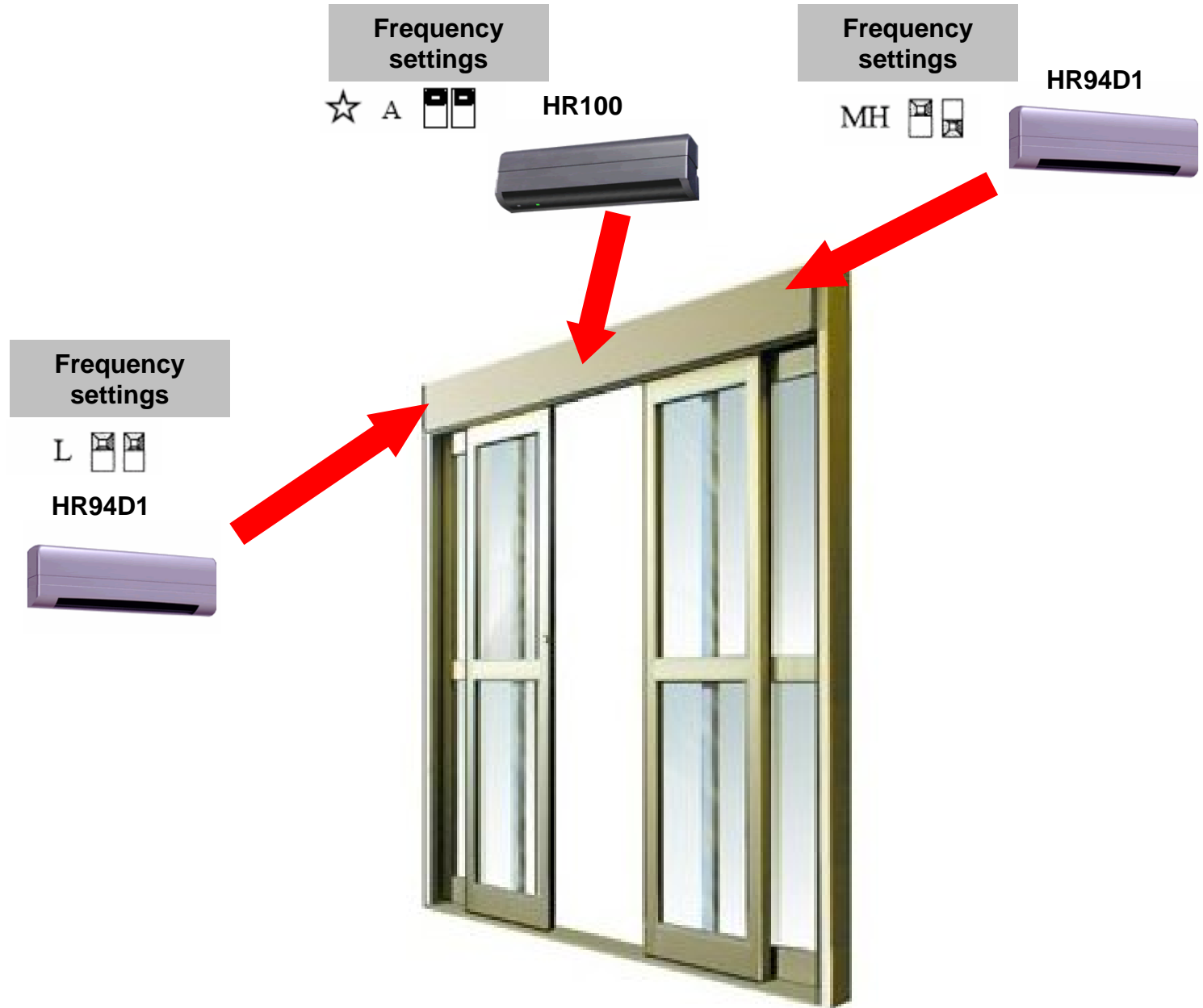
**Standard = Normal**

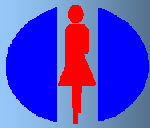
**Snow mode should only be used in environments of heavy snowfall or extreme weather conditions**

Not used



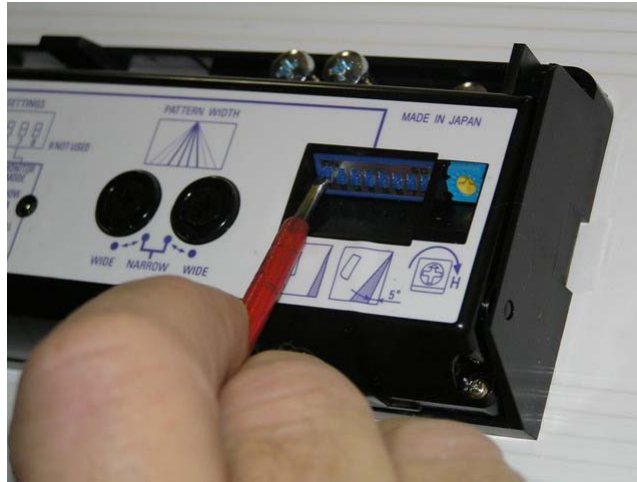
# HR94D1 recommended frequency set-up when used in conjunction with HR100



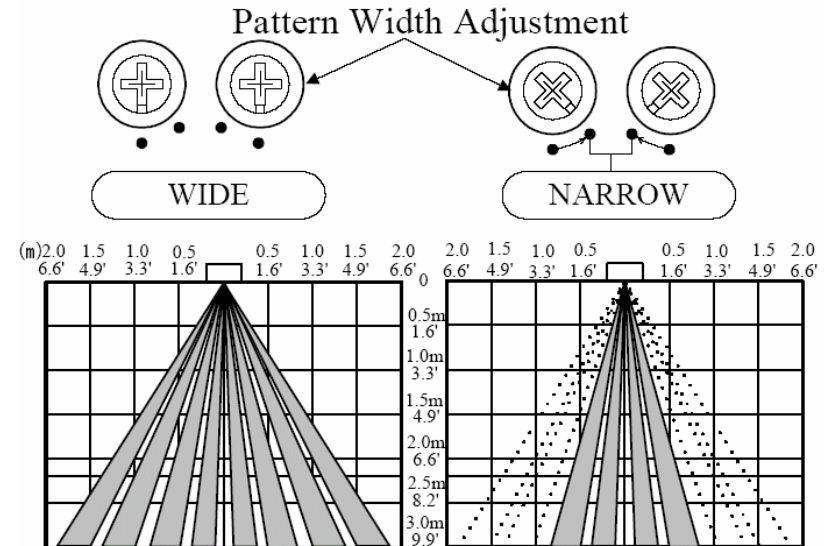
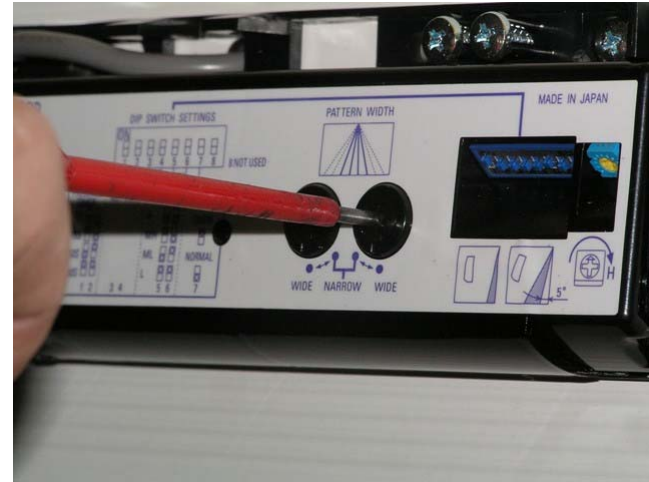


# HR94D1 other set-up parameters

Set the presence timer setting to 60 seconds by switching dipswitch No.2



Detection width can be reduced or increased using the potentiometers shown below





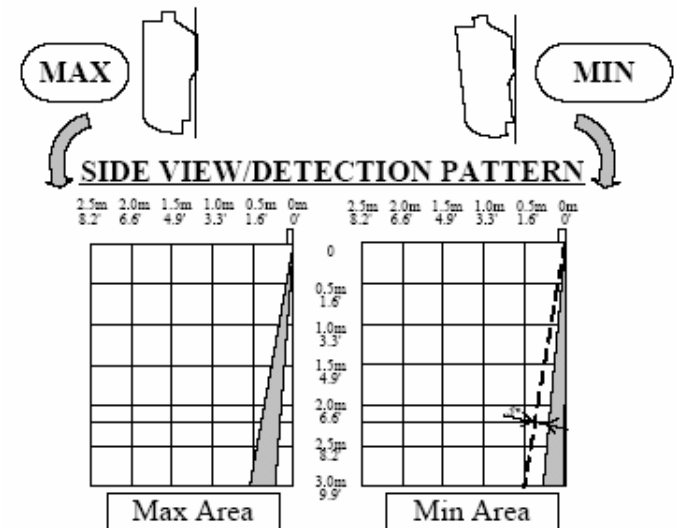
# HR94D1 other set-up parameters

Sensitivity can be adjusted using the potentiometer on the far right



Adjustment of sensitivity can be used in instances where the sensor is installed above a highly reflective floor surface. Instances where sensitivity needs to be adjusted are rare

Sensor body angle can be adjusted as below



» The body of the sensor can be rotated from 0°~5°(3 Steps)



## HR94D1 Cover Installation

Once the preceding set-up has been carried out and the sensor walk tested to your satisfactions the sensor cover can be replaced as shown below.

