

3H-IR14C

Quick Installation Guide

Note

The presence timer setting is fixed on the 3H-IR14C to 30s on R1, R2 and 2s on R3,R4

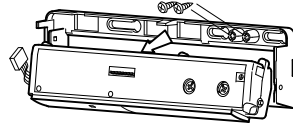
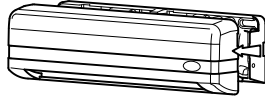
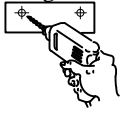
HOTRON

INSPIRING CONFIDENCE

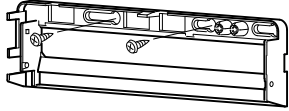
1. MOUNT THE SENSOR

Using the mounting template supplied mount the sensor on the door controller cover.

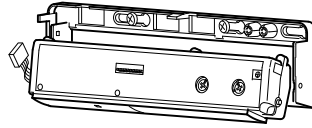
1. Attach the mounting template and drill mounting and wiring holes.
2. Remove the sensor cover
3. Remove the mounting screws and sensor body from the base



4. Attach the base to the door controller with the screws provided

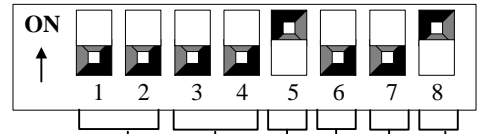


5. Attach the body to the base



2. SET MAIN DIPSWITCHES AS SHOWN

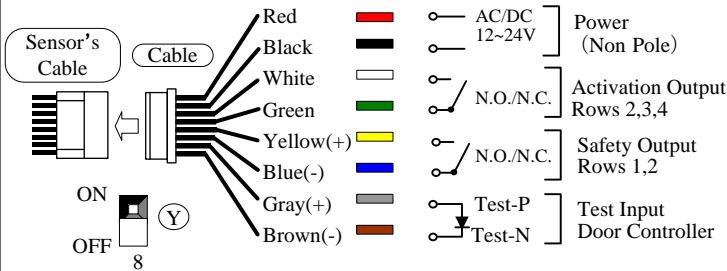
Dip Switch



- 1: No. Rows of Detection: 5 rows
- 2: Frequency: A (Change if another 3H-IR14C sensor is close by)
- 3: Safety Output: N.C.
- 4: Activation Output: N.O.
- 5: Monitor (Snow)
- 6: Mode: OFF
- 7: Test Input: ON (Set to OFF for non-EN16005 doors)
- 8: Test Input: ON (Set to OFF for non-EN16005 doors)

3. CONNECT TO THE DOOR CONTROLLER

Note: For EN16005 door controllers set dip switch 8 to "ON" and connect the Gray & Brown wires to the door controller. If the door controller does not have a "TEST INPUT" set dip switch 8 to "OFF" and do not connect the Gray & Brown wires

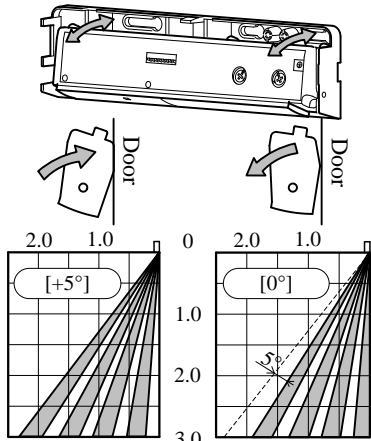


4. LED INDICATORS

- Green:** Standby (Ready to Detect)
- Blue:** ROW 3,4 Detecting.
- Red:** ROW 1,2 Detecting.
- Orange:** Sensor is detecting moving door
- Orange blinking (Fast):** Change of dip switch settings.
- Green/Red blinking (Fast):** Internal Sensor Error.
- Green/Red blinking (Slow):** Reflected infrared signal from floor is very weak.

5. SET SAFETY DETECTION AREA

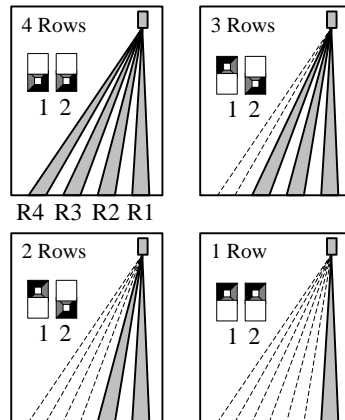
Adjust the sensor body angle so that the detection area is directly in front of the moving door leaf.



6. SET DESIRED DOOR OPENING DETECTION AREA

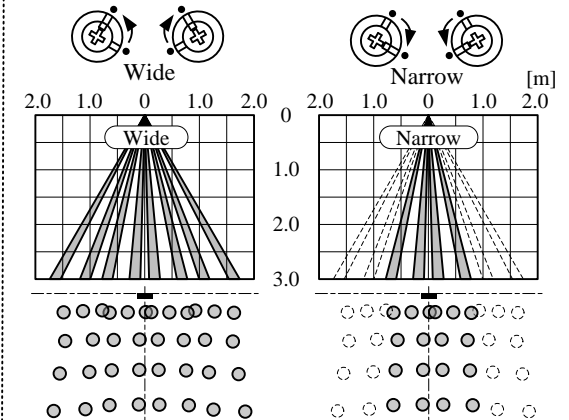
Depth Adjustment

Delete or add rows of detection



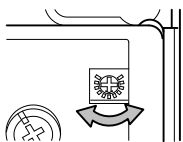
Width Adjustment

Adjust the detection area width by turning the Area Mask with a screwdriver



7. ADJUSTING SENSITIVITY

Adjust the sensitivity to suit the installation height

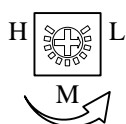


Height [m]	Sensitivity Setting
2.0 ~ 2.5	L ~ M
2.5 ~ 3.0	M ~ H

If the sensor does not detect a person entering the detection area, Increase the sensitivity.



If the sensor detects even though no one is in the detection area, Decrease the sensitivity.

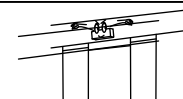
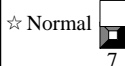


8. OTHER USEFUL DIPSWITCH SETTINGS

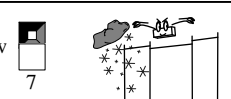
Change the sensor frequency dip switches to prevent cross interference between sensors in close proximity



Snow Mode

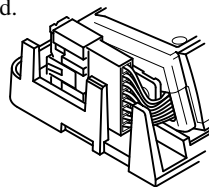


Snow



9. REPLACE THE SENSOR COVER

House Connectors in the space provided.



Place The cover on the sensor and wipe the sensor clean.



Be careful not to move the sensor body when attaching the sensor cover