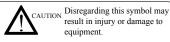




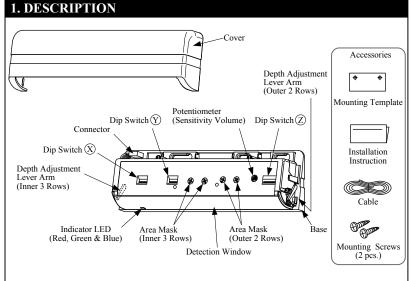


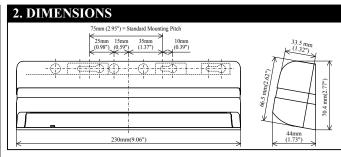
WARNING Disregarding this symbol may result in serious injury or death. Special attention is required

when this symbol is shown

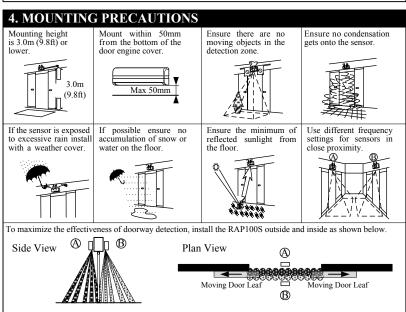


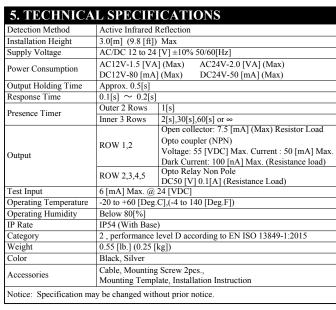
Setting required to conform with EN16005 EN16005.

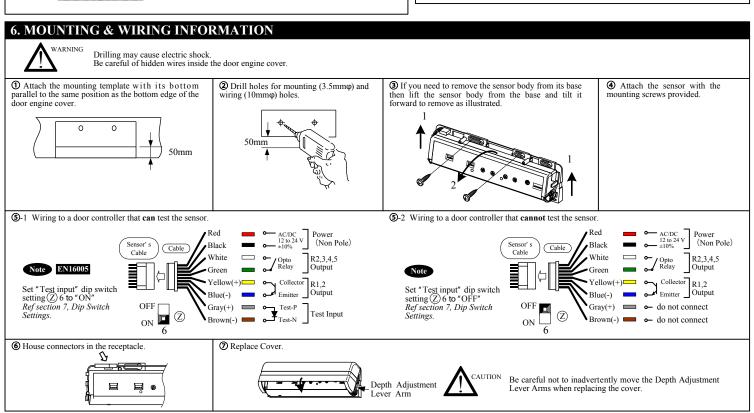


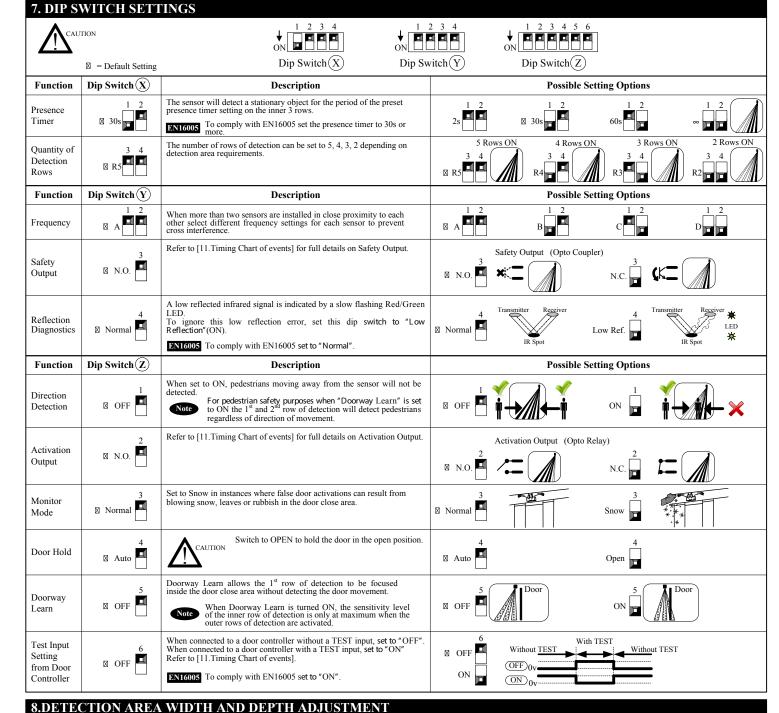


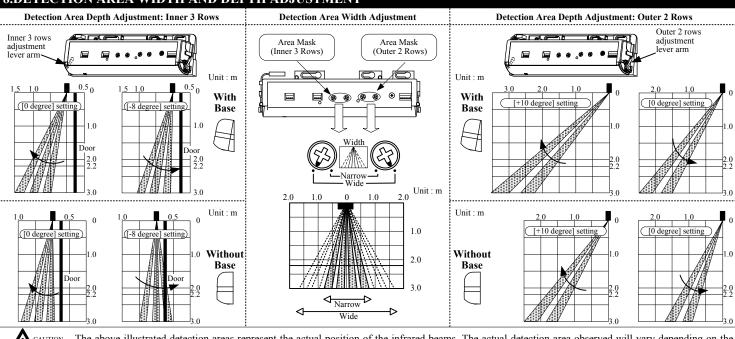
3. LED INDICATORS Standby Doorway Learning (When dip switch (Z) 5 is ON). Green blinking ROW 4,5 Detecting. Detection row "ROW1" ("ROW2" when doorway Orange Learning is turned ON) is detecting door movement. Orange blinking (Fast) Indicates a change of dip switch settings. Orange blinking (Slow) Door Hold is turned Open (When dip switch \(\overline{\mathbb{Z}}\) 4 is Open). Green/Red blinking (Fast) Internal Sensor Error. Green/Red blinking (Slow) Reflected infrared signal from the floor is very low



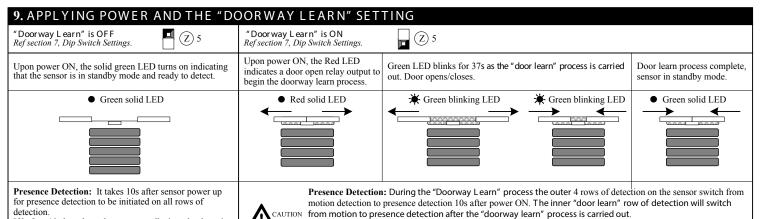








The above illustrated detection areas represent the actual position of the infrared beams. The actual detection area observed will vary depending on the sensor installation environment, object been detected and sensor settings. Please ensure that the detection area is set to conform to EN16005.



If before 10s has elapsed someone walks into the detection area it will take about 5s after the person leaves the

detection zone for presence detection to be functional

"Doorway Learn" Failure & Recovery: If a person enters the detection area during the "doorway learn" process it may not be successfully completed. In this case the sensor will carry out the doorway learn process on door activations by a person in order to build an accurate image of the door open and door close position.

Note When Doorway Learn is turned ON, the sensitivity level of the inner row of detection is only at maximum when the outer rows of detection are activated.

General Caution:

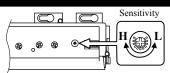
When carrying out the following work, turn off sensor power.

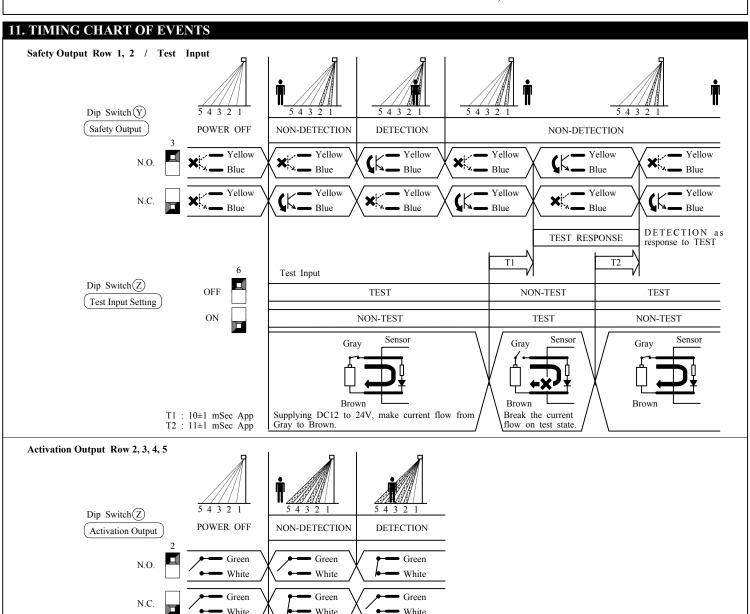
When the floor condition is changed by placing a mat on the floor etc. When the detection area pattern or sensor sensitivity is adjusted.

10. VERIFICATION OF OPERATION

decreased by turning the potentiometer in the anti-clockwise direction.

After installation is completed "walk test" the sensor detection area. If the detection area is not as expected adjust the detection area as referred to in section 8 or increase the rows of detection using Dip switch (X) 3 & 4 If the detection area is still not as expected then the sensor sensitivity can be increased by turning the potentiometer clockwise. When the sensor detects even though there is nothing in the detection area the sensor sensitivity can be



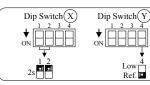


12. DOOR MAINTENANCE WORK

When carrying out door maintenance work with power applied to the sensor on door controllers that are wired to "test" the sensor ensure to set the dip switches as below.



Note Keep in mind to return the dip switch settings to their original state once door maintenance work has been carried out.



Refer to [7.Dip Switch Settings].

13. SELF DIAGNOSTICS ERRORS

Technical problems with the sensor are indicated by a flashing Green/Red LED. The frequency of flashing indicates the type of problem as explained below.

Flash Frequency	LED	Cause	
Fast	Green ★ ★ ★ ★ ★ ★ ★	Please replace the sensor.	
Slow	Green	Confirm that the sensitivity potentiometer is set to maximum and re-power the sensor. If the error persists, set Dip Switch ① 4 to "Low Reflection".	

Problem	LED Status	Possible Cause	Solution
Door does not open when a person enters the detection area.		Sensor Connector not connected correctly.	Tighten or reconnect the connector.
	OFF	Incorrect power supply voltage.	Apply proper voltage to the sensor. (AC/DC 12-24V)
		Incorrect sensor wiring.	Double check sensor wiring.
Door opens and closes for no apparent reason (Ghosting).		Object moving in the detection area.	Remove the moving object from detection area.
	Door Opens RED	Sensitivity too high for the installation environment.	Reduce the sensor sensitivity.
	Door Closes	Dust, frost or water droplet on the sensor lens.	Wipe the sensor lens clean and install a weather cover if necessary.
	GREEN	Detection area overlaps with that of another sensor.	Ensure different frequency setting for each sensor.
		Detection of falling snow, insects, leaves etc.	Turn monitor mode Dip switch ② 3 to "Snow".
When Door opens or closes, LED ORANGE.	ORANGE	Detection row "ROW1" ("ROW2" when "Doorway Learn" is turned ON) is focused too close to the door.	Adjust detection depth of Inner 3 rows away from the door.
Door opens and remains in the open position.		Detection area changed, while ∞ infinity presence timer setting is in use.	Re-power the sensor or change the presence timer settings to 30s or 60 s.
	RED	Incorrect sensor wiring.	Double check sensor wiring.
		Reflected signal saturation.	Remove highly reflective objects from the detection area, or lower the sensor sensitivity.
	GREEN/RED FAST FLASH	Internal sensor error.	Replace the sensor.
	GREEN/RED SLOW FLASH	Reflection of the transmitted infrared signal from the floor is too low.	Increase sensor sensitivity or change the "Reflection Diagnostics" Dip switch 4 from "Normal" to "Low Ref".
	ORANGE blinking (Slow)	Door Hold (Dip switch ② 4 set to Open).	Turn "Door Hold" Dip switch ② 4 to Auto.

- < Disclaimer > The manufacturer cannot be held responsible for below.
- 1. Misinterpretation of the installation instructions, miss connection, negligence, sensor modification and inappropriate installation.
- 2. Damage caused by inappropriate transportation.
- 3. Accidents or damages caused by fire, pollution, abnormal voltage, earthquake, thunderstorm, wind, floods and other acts of providence.
- 4. Losses of business profits, business interruptions, business information losses and other financial losses caused by using the sensor or malfunction of the sensor.
- 5. Amount of compensation beyond selling price in all cases.