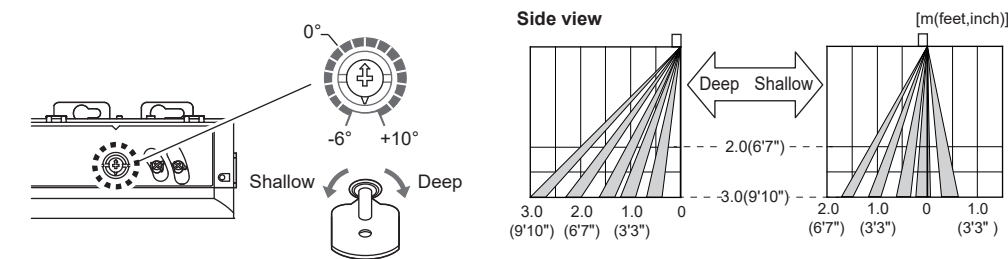


Adjustments

1. Area angle adjustment

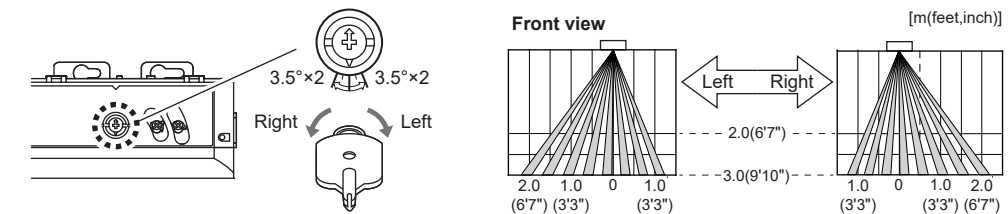
a. Area depth angle adjustment



- NOTE**
- Make sure that the detection area does not overlap with the door/header, and there is no highly reflecting object near the detection area otherwise ghosting/signal saturation may occur.
 - When adjusting the depth angle < 0°, make sure the sensor does not detect the door.

b. Area width angle adjustment

The angle of the detection area can be moved 7° left or right in 2 steps.



2. Area width adjustment

Adjust the detection area width by the adjustment screws.



- NOTE**
- When setting the detection area width make sure to turn the adjustment screws until it clicks.
①② and ⑦⑧ cannot be eliminated independently.

3. Dipswitch settings

Function	Setting (<input type="checkbox"/> Factory setting)	Comment
Sensitivity	<div>Low 1 2</div> <div>Middle 1 2</div> <div>High 1 2</div> <div>S-High 1 2</div>	<p>Set the sensitivity according to the mounting height and site conditions. The values below are indicative only.</p> <p>Low or Middle : 2.0 m to 2.5 m High : 2.3 m to 2.7 m S-High : 2.5 m to 3.0 m</p>
Presence timer	<div>2 s 3 4</div> <div>30 s 3 4</div> <div>180 s 3 4</div> <div>∞ 3 4</div>	<p>When setting the presence timer follow the procedure.</p> <p>1.Select the presence time. 2.Switch the power ON and OFF to prevent the door remains open for the duration of the choosen presence detection time. 3.To enable the presence detection, do not enter the detection area for 10 s.</p>
Frequency	<div>Setting 1 5 6</div> <div>Setting 2 5 6</div> <div>Setting 3 5 6</div> <div>Setting 4 5 6</div>	<p>When using more than one sensor close to each other, set the frequency different for each sensor.</p>
Snow mode	<div>OFF 7</div> <div>ON 7</div>	<p>Set this switch to "ON" when the sensor is used in a region with snow or a lot of insects.</p>
Immunity	<div>OFF 8</div> <div>ON 8</div>	<p>Set this switch to "ON" when the sensor operates by itself (Ghosting). When this switch is set to "ON", the actual detection area may occur smaller.</p>
Row adjustment	<div>5 rows 9 10 11</div> <div>4 rows 9 10 11</div> <div>3 rows 9 10 11</div> <div>2 rows 9 10 11</div> <div>1 row 9 10 11</div>	<p>Set the depth rows with dipswitches 9, 10, 11. All other possible dipswitch settings will generate 5 rows active.</p>
Presence detection active in all rows	<div>OFF 12</div> <div>ON 12</div>	<p>When this switch is set to "ON", presence detection is active in all rows.</p>

Checking

Check the operation in the operation mode according to the chart below.

Entry	Power OFF	Outside of detection area	Entry into 3rd to 5th row	Entry into 2nd row	Entry into 1st row	Outside of detection area
Status	-	Stand-by	Motion detecion active	Motion/presence detection active	Stand-by	Stand-by
Operation indicator	None	Green	Orange	Red	Red blinking	Green
Output	Yellow Green White	Yellow Green White		Yellow Green White		Yellow Green White

- NOTE**
- The door may open once after the power is switched ON.

Inform building owner/operator of the following items

WARNING

- Always keep the detection window clean. If dirty, wipe the window with a damp cloth. Do not use any cleaner/solvent.
- Do not wash the sensor with water.
- Do not disassemble, rebuild or repair the sensor yourself, otherwise an electric shock may occur.
- When the operation indicator blinks Green, contact your installer or service engineer.
- Always contact your installer or service engineer when changing the settings.
- Do not paint the detection window.

- NOTE**
- When turning the power ON, always walk-test the detection area to ensure the proper operation.
 - Do not place any objects that move or emit light in the detection area. (e.g. plant, illumination, etc.)

Troubleshooting

Door operation	Operation indicator	Possible cause	Possible countermeasures
Door does not open when a person enters the detection area.	None	Wrong power supply voltage.	Set to the stated voltage.
	Unstable	Wrong wiring or connection failure.	Check the wires and connector.
		Wrong detection area positioning.	Check Adjustments 1, 2, 3 .
		Sensitivity is too low.	Set the sensitivity higher.
		Short presence timer.	Set the presence timer longer.
Door opens when no one is in the detection area. (Ghosting)	Unstable	Dirty detection window.	Wipe the detection window with a damp cloth. Do not use any cleaner or solvent.
		Wrong wiring or settings.	Check the wires and/or dipswitches.
		Objects that move or emit light in the detection area.	Remove the objects.
		The detection area overlaps with that of another sensor.	Check Adjustments 3 dipswitch 5, 6.
		Waterdrops on the detection window.	Use the rain-cover. (Separately available) Or wipe the detection window with a damp cloth. Do not use any cleaner or solvent. Or install in a place keeping the waterdrops off.
Door remains open	Proper	The detection area overlaps with the door/header.	Adjust the detection area to "Deep"(outside).
		Sensitivity is too high.	Set the sensitivity lower.
	Fast Green blinking	Wrong setting of dipswitches.	Check Adjustments 3 dipswitch 7, 8, 12.
		Sudden change in the detection area.	Check Adjustments 3 dipswitch 1 to 4. If the problem still persists, hard-reset the sensor. (Turn the power OFF and ON again)
		Wrong wiring or connection failure.	Check the wires and connector.
Proper operation	Slow Green blinking	Sensitivity is too low.	Set the sensitivity higher.
		Dirty detection window.	Wipe the detection window with a damp cloth. Do not use any cleaner or solvent.
		Sensitivity too low or sensor failure.	Contact your installer or service engineer.
Proper operation	Slow Green blinking	Signal saturation.	Remove highly reflecting objects from the detection area. Or lower the sensitivity. Or change the area depth angle.

Contact

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