1. Area depth angle adjustment

The detection area depth can be changed by the area adjustment tool.

1-1. Independent adjustment

1st to 3rd rows
Depth angle adjustment screw for 1st to 3rd rows

4th and 5th rows
Depth angle adjustment screw for 4th and 5th rows

Use the area adjustment tool (A) as shown above and change the depth of the detection area by turning the depth angle adjustment screw.

Use the area adjustment tool (B) as shown above and change the depth of the detection area by turning the depth angle adjustment screw.

Check the area position with Red LED of the Operation LED using a tool such as a reflecting mirror.

NOTE: Make sure the detection area does not overlap with the door or header, otherwise the detection area, other interferences or signal saturation may occur. Do not place any highly reflecting objects in the detection area. Otherwise signal saturation may occur.

REFERENCE: Area depth angle adjustment with INFRARED FINDER (Separately available)

1. Turn the depth adjustment screw to the right (Deep) to place the area most away from the door.
2. Set INFRARED FINDER sensitivity to 5/5 (High) and place it on the floor as shown below.

1-2. Simultaneous adjustment

For the simultaneous adjustment of 1st to 5th rows, use the adjustment tool (C).

2. Width detection area adjustment

1st to 3rd rows
Width adjustment screw (Left)

4th and 5th rows
Width adjustment screw (Right)

The actual detection area may become smaller depending on the ambient light, the color/material of the object and the floor as well as the entry speed of the object.

NOTE: The actual detection area may become smaller depending on the ambient light, the color/material of the object and the floor as well as the entry speed of the object.

3. Dipswitch settings

3-1. Setting the sensitivity

Normally set to "Middle". Low decreases the sensitivity and high / high increases the sensitivity.

3-2. Setting the presence detection timer

The 1st and 2nd rows have the presence detection function. The presence detection timer can be selected from 4 settings.

NOTE: To enable the presence detection, do not enter the detection area for 10 seconds after entering the timer.

3-3. Setting the frequency

When using more than one sensor device to each other, set the different frequency for each sensor by combining dipswitch 3 and 4.

3-4. Setting the area depth

The 3rd, 4th, and 5th rows can be eliminated by combining dipswitches 7 and 8.

*When 2 rows setting is selected, only the presence detection area remains.

NOTE: Always check the area according to the expected entry speed and determine the appropriate number of rows. When setting motion and motion / presence detection area separately, make sure that there is no gap between two areas.

3-5. Setting the snow mode

Set this switch to ON if the sensor is used in a region with snow.

3-6. Setting the immunity

Set this switch to ON when heavy influence by the header is required.

3-7. Installation mode

Use the switch to ON when adjusting the presence detection area.

* During the installation mode, only the 1st row remain.

* Operation LED glows yellow.

**WARNING:

1. Always keep the detection window clean. If dirty, wipe the detection window lightly with a damp cloth. (Do not use any cleaner or solvent)
2. Do not wash the sensor with water.
3. Do not disassemble, re-wire or repair the sensor yourself, otherwise electrical shock may occur.
4. When an operation LED blinks green, contact your installer or service engineer.
5. Always contact your installer or service engineer when changing or setting the settings.
6. Do not paint the detection window.

NOTE:

1. When turning the power ON, always check the detection area to ensure proper operation.
2. Do not place any objects that may emit or reflect light in the detection area (e.g. Plant, illumination, etc.)

INFORM BUILDING OWNER / OPERATOR OF THE FOLLOWING ITEMS

TROUBLESHOOTING

Problem | Operation LED | Possible cause | Possible countermeasures
--- | --- | --- | ---
User does not open when a person enters the detection area. | None | Power supply voltage | Set to the rated voltage.
Wrong wiring or connection failure | Check the wires and connector.
Low | Check ADJUSTMENTS 1 & 2.
Sensitivity is too low | Check the sensitivity higher.
No presence detection timer | Check the presence detection timer longer.
 Only detection window, Wrap the detection window with a damp cloth, (Do not use any cleaner or solvent).
If the sensor is not used, Use the sensor in parallel with the sensor, then connect it to the monitor.
Wiper or switch when no one is in the detection area, (Shading) | Unstable | Vibrator of the header, Water drops on the detection window, Use the re-inserter (Separately available), or install a device keeping the waterdrops off.
The detection area overlaps with that of another sensor | Check ADJUSTMENTS 3.
The detection area overlaps with the door / header | Adjust the detection area to "Deep" (Outside).
Marking objects in the detection area, or reflecting light on the floor, Remove the objects.
Sensitivity is too high | Set the sensitivity lower.
Exit areas and places | Set the same mode to ON.
Objects that move or emit light in the detection area, | Remove the objects.
(Ex. Plants, illumination, etc.)
Wet floor, Check the installation condition referring to INSTALLATION on the reverse side.
The exhaust emission or fog penetrates into the detection area | Remove the objects.
Door remains open | Red or Orange | Sudden change in the detection area. | Check ADJUSTMENTS 3 & 3.
If the problem still persists, hand-wipe the sensor, (Turn the power OFF and ON again.)
Proper | Wrong wiring or connection failure, Check the wires and connector.
Proper | Wrong wiring or connection failure, Check the wires and connector.
Proper | Scene lighting exceeding the range of life cycle,
Contact your installer or the sales engineer.
Proper | Scene lighting exceeding the range of life cycle,
Contact your installer or the sales engineer.
Proper | Scene lighting exceeding the range of life cycle,
Contact your installer or the sales engineer.
Door remains closed | Proper | Wrong wiring or connection failure, Check the wires and connector.
Proper | Wrong wiring or connection failure, Check the wires and connector.

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