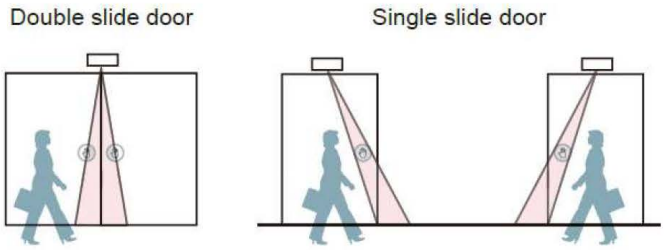
Air Slide 2 Active Infrared Door Sensor with Flex Eye (touchless Switch)

the Air-Slide provides safety and convenience in one unit. The Air-Slide Active Infrared Door Sensor from OPTEX includes a built-in Touchless Switch. When the door is closed, the sensor operates as a virtual door switch, activating the door only when someone approaches the door and presents a hand near the sticker.



Step 1

AIR SLIDE 2 does not detect pedestrians walking across.

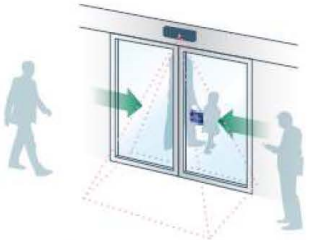
Step 2

When a pedestrian approach his/her hand, the door opens.

Step 3

The door opens and the presence detection area keeps the door opened.

Step 4



After the pedestrian walked through the door, the door is closed and then the presence detection area disappears.

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Energy Saving

Eliminates unwanted activations due to cross traffic to improve air conditioning efficiency.

Shop owner
I would like to avoid unnecessary door openings due to cross traffic to improve air conditioning efficiency.
My shop is facing with a busy street.

Germ Free

Eliminates one of the only cross contamination points on a low energy or knowing act door.

Nurse
Touch switch is contamination points for a knowing act or low energy door.
I want to open a door without touching anything.

Safety

Provides safety throughout the threshold area keeping the door open until all people have moved away.

Chef
I want an automatic door for my kitchen but what I need is a limited detection area because my staff is walking around in front of a door.

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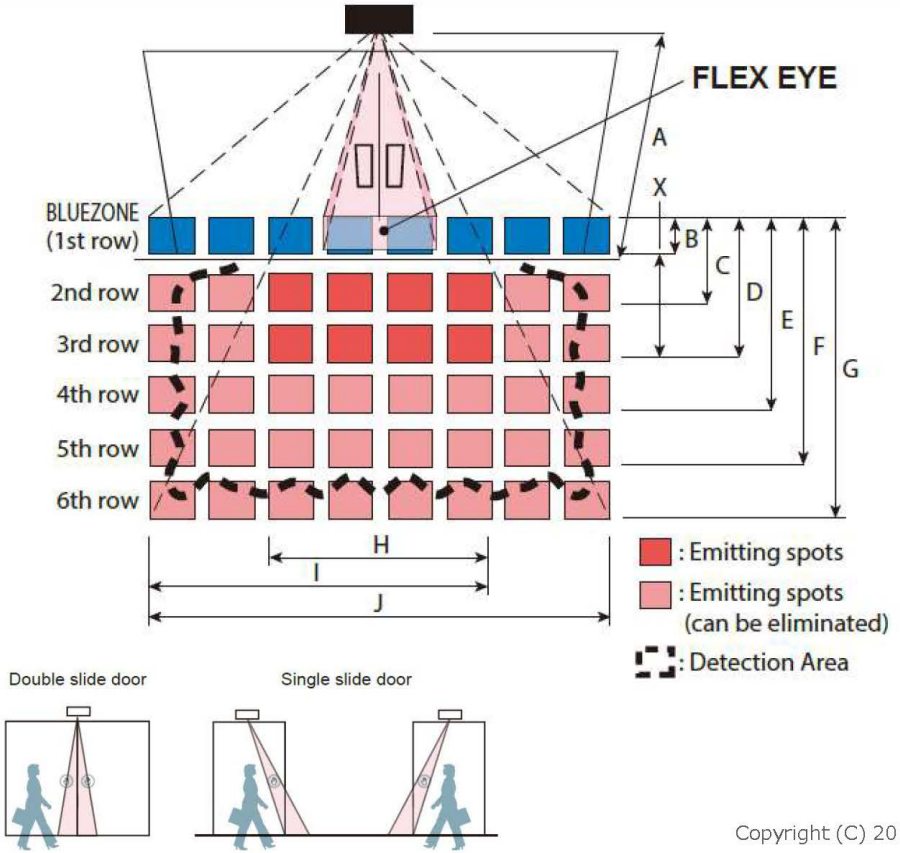
Detection Area



unit : m

A	2.00	2.30	2.50	3.00
B	0.13	0.16	0.17	0.21
C	0.38	0.46	0.50	0.60
D	0.71	0.86	0.94	1.13
E	0.84	1.01	1.09	1.31
F	1.34	1.62	1.76	2.11
G	1.75	2.11	2.29	2.75
H	0.92	1.11	1.20	1.45
I	1.49	1.80	1.95	2.34
J	2.06	2.48	2.69	3.23

Charts show the values in the following area angle adjustment settings ; Depth :0°
Width :0°

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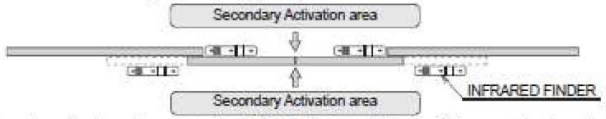
1 Secondary Activation area angle adjustment

1-1.Secondary Activation area depth angle adjustment
When adjusting the 2nd row close to the door,
see **Dipswtich settings table** dipswitch16 for the easier adjustment.

NOTE Make sure that the Secondary Activation 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.

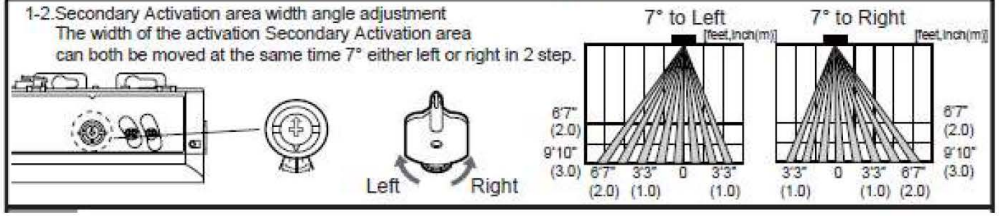
REFERENCE Area depth adjustment with INFRARED FINDER (Separately available)

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



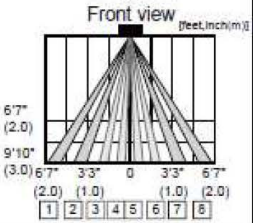
3. Turn the depth angle adjustment screw to the left (Shallow) until the emitting area is placed at the position where INFRARED FINDER is in the low detection status (Slow Red Blinking).

1-2.Secondary Activation area width angle adjustment
The width of the activation Secondary Activation area can both be moved at the same time 7° either left or right in 2 step.



2 Secondary Activation area width elimination

To adjust the Secondary Activation area width, use the adjustment screws.

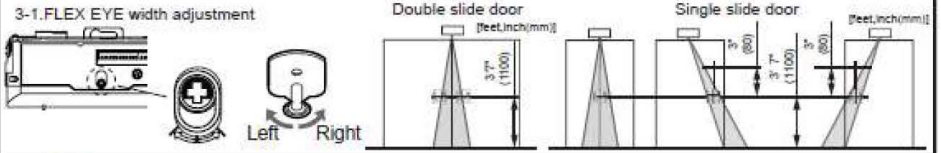


NOTE When setting the Secondary Activation area width, make sure to turn the adjustment screws until it clicks.
1 2 cannot be eliminated separately, neither can 7 8

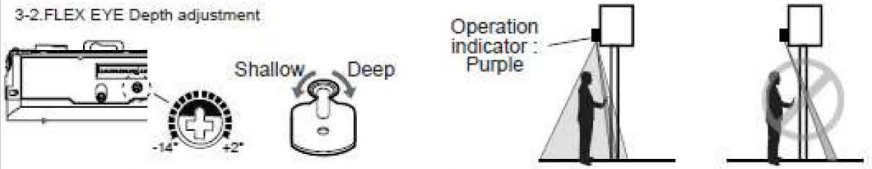
3 FLEX EYE angle adjustment

Make sure to select the FLEX EYE angle depending on the door type and the intended touchless plate position otherwise the sensor does not send an output when a hand is waved.

3-1.FLEX EYE width adjustment



3-2.FLEX EYE Depth adjustment



NOTE After adjust the angle, please check the FLEX EYE is on the best position for your use.
Please check the door will be open, when you are detected in the area between 2nd to 4th row.
Operation indicator color will be purple, when all the adjustment are OK.

3-3.Affix the touchless plate on the appropriate position after adjusting the FLEX EYE.

⚠ CAUTION	Make sure to affix the touchless plate where a head
Risk of getting caught.	is not caught by the door during door closing.

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4 Dipswitch settings

Dipswitch settings table

	Function	Setting				Comment
Dipswitch 1 Dipswitch 2	Secondary Activation area Sensitivity	Low 1 2 6'7" to 8'2"	Middle 1 2 6'7" to 8'2"	High 1 2 7'7" to 8'10"	S-High 1 2 8'2" to 9'10"	Set the sensitivity according to the mounting height. Values below dipswitch are reference only.
Dipswitch 3 Dipswitch 4	Presence timer	30sec. 3 4	60sec. 3 4	180sec. 3 4	600sec. 3 4	All rows have the presence detection function. The presence timer can be selected from 4 settings.
Dipswitch 5 Dipswitch 6	Frequency	Setting1 5 6	Setting2 5 6	Setting3 5 6	Setting4 5 6	When using more than one sensor close to each other, set the frequency different for each sensor.
Dipswitch 7	Rain mode	Normal 7	Rain 7			Set this switch to Rain if the sensor is used in a region with a lot of rain.
Dipswitch 8	Snow mode	Normal 8	Snow 8			Set this switch to Snow if the sensor is used in a region with snow or a lot of insects.
Dipswitch 9 Dipswitch 10	Row adjustment	6rows 9 10	5rows 9 10	4rows 9 10	3rows 9 10	Set the depth rows with dipswitches 9 and 10.
Dipswitch 11	BLUEZONE (1st row)	OFF 11	ON 11			When dipswitch 11 is set to ON, the BLUEZONE (1st row) is active and looks through the threshold.
Dipswitch 12	Secondary Activation output	N.O. 12	N.C. 12			Select "N.O."/"N.C." for Secondary Activation output.
Dipswitch 13 Dipswitch 14	FLEX EYE Sensitivity	Low 13 14	Middle 13 14	High 13 14	S-High 13 14	Adjust sensitivity for "FLEX EYE" detection.
Dipswitch 15	FLEX EYE mode	ON 15	OFF 15			Select the FLEX EYE mode ON or OFF. See **FLEX EYE MODE**.
Dipswitch 16	Installation mode	OFF 16	ON 16			Set dipswitch 16 to ON to adjust the 2nd row. During the installation mode only the 2nd row remains active and the operation indicator shows yellow. After setting the row switch dipswitch 16 OFF.

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