

# ASSIRA03014

## TECHNICAL SPECIFICATIONS

Model Name	ASSIRA03014		Detection Method	Active Infrared Reflection
Installation Height	3.0m		Supply Voltage	AC/DC12~24V±10% 50/60Hz
Sensitivity adjustment	Available		Power Consumption	AC12V: 1.3VAMax AC24V: 1.5VAMax DC12V: 65mAMax DC24V: 35mAMax
Depth adjustment	Angle	0° / +5°		Output
Width adjustment	Row	R4~R1	Output Holding Time	
Presence Timer	2s / 30s / 60s / ∞			Operating Temperature
Frequency	4 Frequencies		Weight	
Monitor mode	Normal / Snow			Color
Self-Monitoring	OFF / ON			
LED Indicator	Standby	(Green)		
	Detecting	(Red)		
	Door movement is detected	(Orange)		
	Waiting for reset	(Fast flashing Orange)		
	Reflection Diagnostics	(Flashing Red and Green)		

Please note that specifications are changed without notice.

## ADJUSTING DETECTION PATTERN

**CAUTION** Ensure that the inner row of detection does not detect door movement

**1. Angle adjustment**  
Adjust the detection pattern either 0° or +5° by moving the angle of Body.

**2. Depth adjustment**  
**4. DIP SWITCH SETTINGS**  
Delete or add rows of detection

**3. Width adjustment**  
You can adjust the detection width by turning Area Mask with a screwdriver.

**CAUTION** The detection range will vary depending on installation environment, object detected and settings etc (clothes and floor material and sensitivity adjustment)

## ADJUSTING SENSITIVITY

**CAUTION** Please adjust the sensitivity that is appropriate to the operation.

1. Please set the sensitivity suitable for the mounting height.  
The table below is an estimation.

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

2. If the sensor does not detect even if a person enters the detection area, please increase the sensitivity.

3. If the sensor detects even though no one is in the detection area, please decrease the sensitivity.



## DIP SWITCH SETTINGS

**CAUTION** Please set in a manner suitable for operation.

**① Quantity of Detection Rows**  
The number of rows of detection can be set to 4, 3, 2, 1 depending on detection area requirements.

**② Presence Timer**  
The sensor will detect a stationary object only for the time set by the Presence Timer. When it is set to ∞, the period is ∞ in case of the 1st and 2nd row, 2 s in case of the 3rd and 4th row.

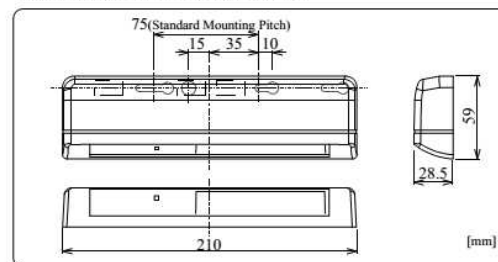
**③ Frequency**  
When more than two sensors are used in close proximity to each other, select different frequency setting for each sensor to prevent interference. (A + B + C + D = Maximum 4 sensors)

**④ Monitor Mode**  
Set to "Snow" in instances where false door activations can result from blowing snow, leaves or rubbish close to the door detection area. It should be noted that sensitivity to detecting pedestrians may also be reduced.

**⑤ Self-Monitoring**  
When the sensor has malfunctioned, the Green/Red LED blinks alternately and the relay output is relayed to the sensor.

If you change the setting of the Dip switch when the power is on, the sensor will be reset in approx 6 s.  
The reset is the same as the Power-On.

## EXTERNAL DIMENSIONS



## Wiring to the door controller.

