

CGS-KF112



Installation and Setup - Application Note

Escalator handrail cover

- If the escalator handrail cover is made of metal, please make a cut-out not lesser than 80mm (width) X 55mm (height). This cut-out can be covered by Plastic. The cut-out dimension depends on distance between sensor and front cover. (Figure 1)
- If the escalator handrail cover at entrance is made of plastic, there is no need for additional modification.
- In order to guarantee a stable and reliable detection field, ensure the handrail cover is void of any complex structures like honeycomb. Flat surface has optimal radar performance. (Figure 2)
- The plastic cover in front of the sensor must not contain metal material.

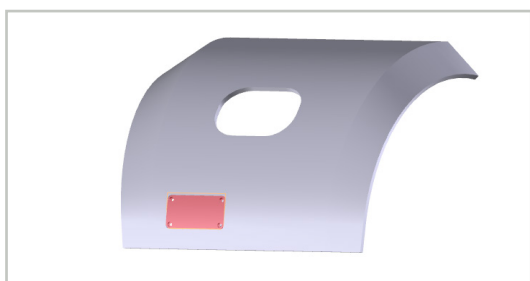
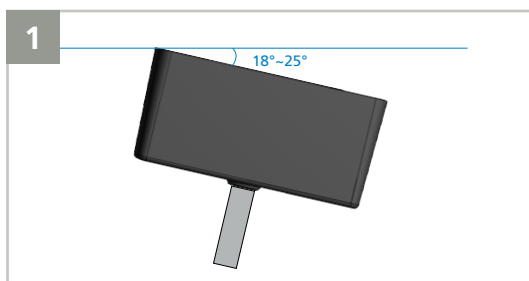


Figure 1.

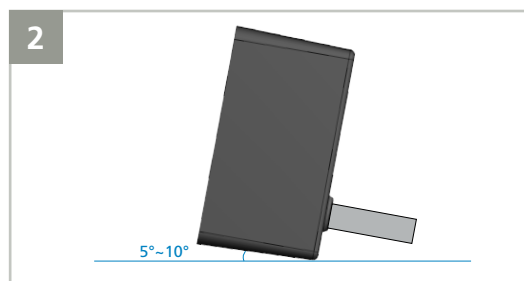


Figure 2.

Installation

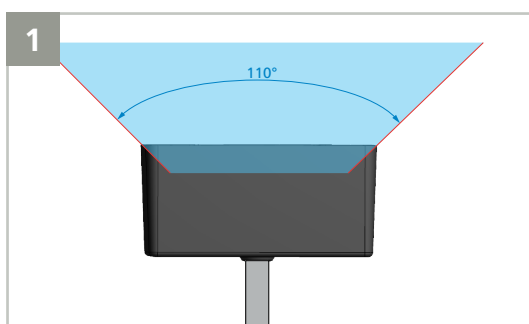


Recommend horizontal angle toward to center of escalator 18 ~ 25 degree.

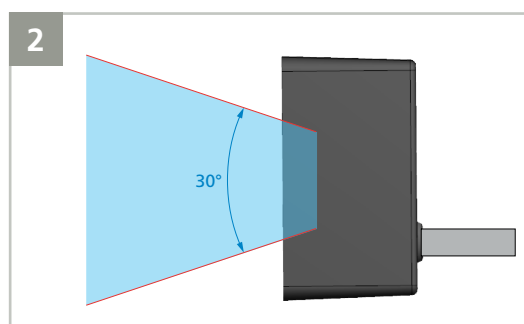


Recommend vertical angle toward to upside 5 ~ 10 degree.


Sensing field



Horizontal: 110 degrees.



Vertical: 30 degrees.

 The sensing angle depicted above is under standalone installations. The sensing fields may vary depending on the escalator cover, environment and detection settings.

Output setup

CGS-KF112 outputs a transistor PNP signal, the signal outputs are High, Low & Frequency. The frequency output can be further configured in the range of 0 Hz to 500 Hz.

Mode	Config.	Power OFF	Power ON				
			No Detection	D*	No Detection	D*	No Detection
Pulse	High level						
	Low level						
	Frequency						
Toggle	High level						
	Low level						
	Frequency						

* D: Detection T: Hold time (adjustable)

Additional setting

Press **9** + **+** to enter specific setting mode:

Example:

To analyse the reason why the escalator do not enter energy saving mode.

Step 1: Use the remote control and press **0** + **0** to disable the output signal.

Step 2: Analysis the reason for escalator to not go into energy-saving mode.

Step 3: Reuse the remote control and press **0** + **1** to reset to the normal output.

Press **0** + **8** to reset to the factory value.