

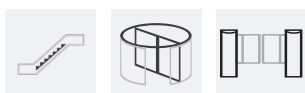


# CGS-MF

Activation sensor



## APPLICATIONS

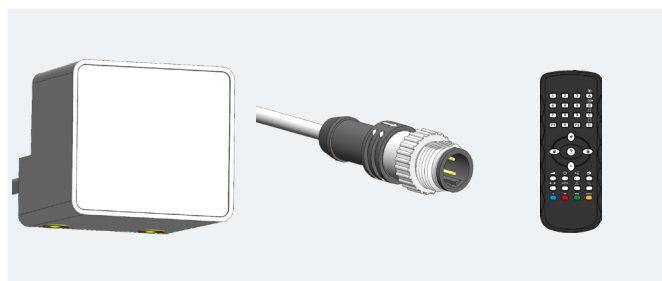


## TECHNOLOGY

Microwave Doppler Radar

## DESCRIPTION

**CGS-MF** is an activation sensor based on radar technology. It can be used for *energy saving escalator*, *automatic door* and *pedestrian access*. Multiple work modes and output modes are available and convenient to be integrated into various applications.



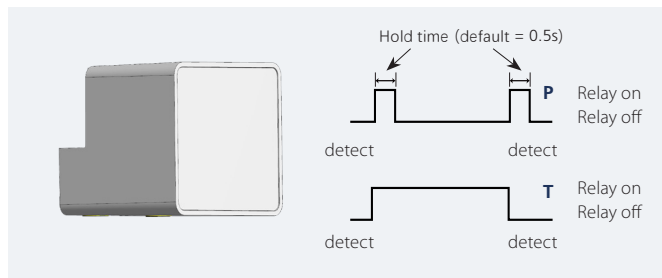
### Design

Seamless and compact design with IP67 housing, M12 connector convenient to be integrated and changed. Use remote control to adjust parameters.



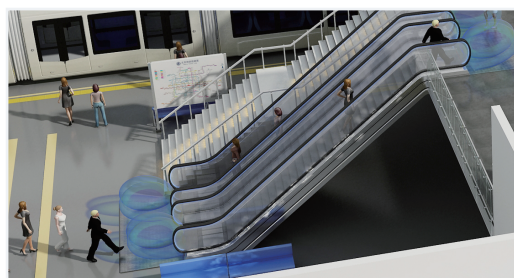
### Output configuration

3 output configurations for your choices, NO, NC and Frequency.



### Output Mode

We provide two output modes: PULSE MODE and TOGGLE MODE.



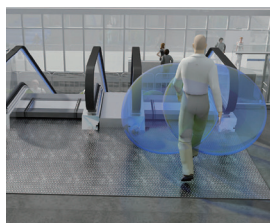
### Detection mode

Can be both unidirectional away or towards the sensor, and can also bidirectionally detect passengers, give user the option to choose the best mode for the applications.

## APPLICATIONS



Revolving door activation



Escalator activation



Pedestrian access activation

## INSTALLATIONS

- Concealed installed inside entrance.
- Simple mechanical components allows for quick and easy installations.
- Wiring through M12 4-pin connector.

## TECHNICAL SPECIFICATIONS

Technology:	Microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm <sup>2</sup>
Detection mode:	Motion
Min. detection speed:	5 cm/s (measured in sensor axis)
Supply voltage:	12 V to 24 V DC +30% / -10%
Max. power consumption:	< 1.5W
Output:	Opto (galvanic isolation - polarity free )
Max. switching voltage:	42V AC/DC
Max. switching current:	100mA
Temperature range:	From -20 °C to + 55 °C
Dimensions:	40.5mm (L) x 36 mm (H) x 36 mm (W)
Cable length:	50cm + 5m cable with connector (optional)
Degree of protection:	IP67

*Specifications are subject to change without prior notice. All values measured in specific conditions.*

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