



CGS-MF

Activation sensor



APPLICATIONS

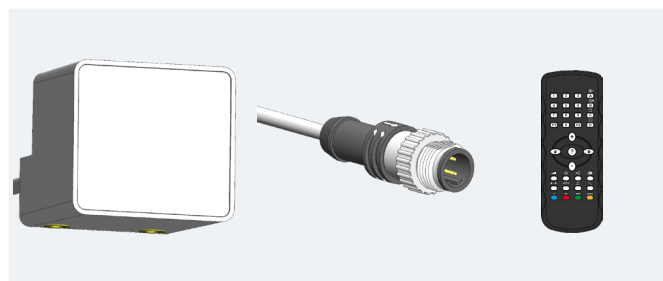
TECHNOLOGY



Microwave Doppler Radar

DESCRIPTION

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



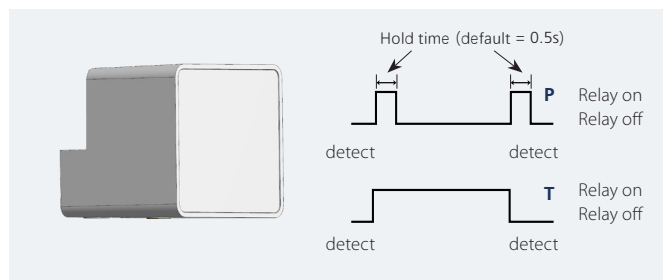
Design

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



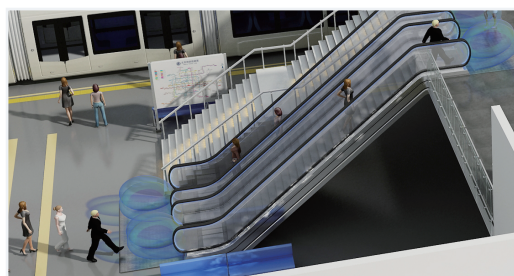
Output configuration

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



Output Mode

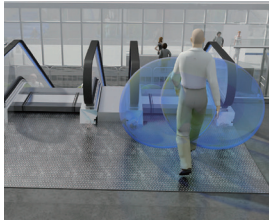
We provide two output modes: PULSE MODE and TOGGLE MODE.



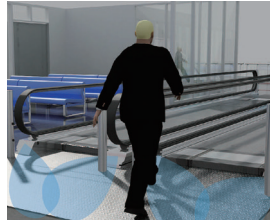
Detection mode

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



Escalator activation



Moving walks

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 ²
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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