Please keep for further use
Designed for colour printing

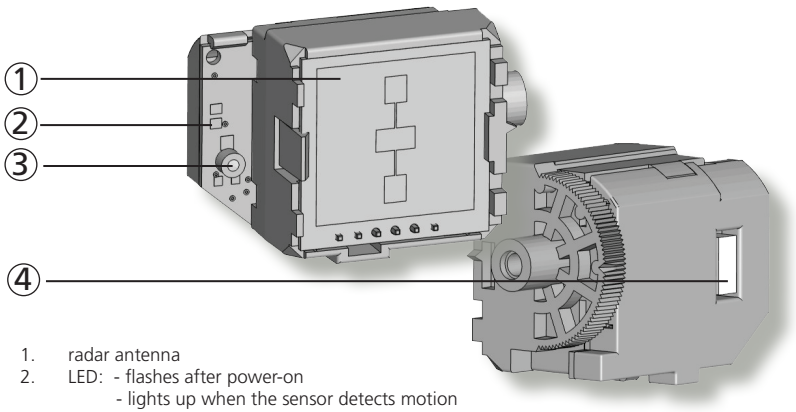
CGS-1 2G

Compact gate sensor

Activation sensor for guidance systems

Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer. The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor.

DESCRIPTION



1. radar antenna
2. LED: - flashes after power-on
   - lights up when the sensor detects motion
3. field size adjustment
4. connector (4 pins)

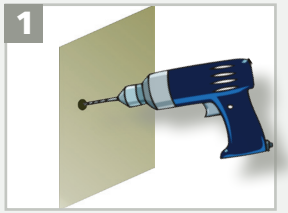
TECHNICAL SPECIFICATIONS

Technology:	microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm²
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:	< 2 W
Output*:	solid-state-relay (potential and polarity free)
Max. contact current:	250 mA
Max. contact voltage:	50 V AC/DC
Mounting height:	from 0.8 m to 1.2 m
Temperature range:	from -20 °C to + 55 °C
Dimensions:	40 mm (L) x 29 mm (H) x 21 mm (W)
Material:	ABS & POM
Weight:	16 g
Cable length:	1 m

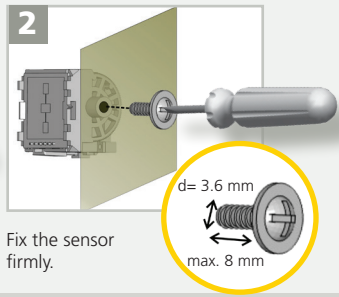
Specifications are subject to changes without prior notice. All values measured in specific conditions.

*External electrical sources must be within specified voltages, max 15W and ensure double insulation from primary voltages.

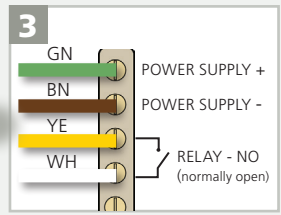
1 MOUNTING & WIRING



Drill a hole for the screw.

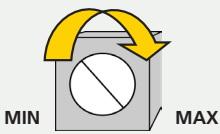


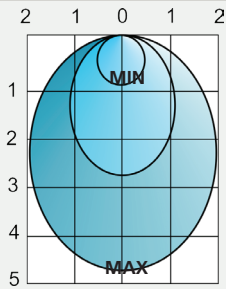
Fix the sensor firmly.



Connect the wires.

2 FIELD SIZE ADJUSTMENT



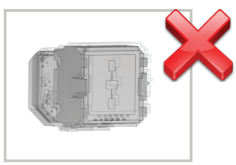


typical shape and dimensions

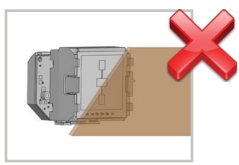
TROUBLESHOOTING

○	The gate remains closed. The LED is OFF.	The sensor power is off.	1 Check the wiring and the power supply.
●	The gate closes and opens constantly.	The sensor is disturbed by the closing of the gate or vibrations caused by the gate motion.	1 Make sure the sensor is fixed properly. 2 Increase the tilt angle. 3 Reduce the field size.

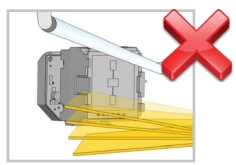
TIPS



Avoid extreme vibrations.



Do not cover the sensor.



Avoid proximity to neon lamps or moving objects.

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BEA hereby declares that this product is in compliance with European legislation 2014/53/EU (RED) and 2011/65/EU (RoHS).

The complete declaration of conformity is available on our website.

This product should be disposed of separately from unsorted municipal waste.

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