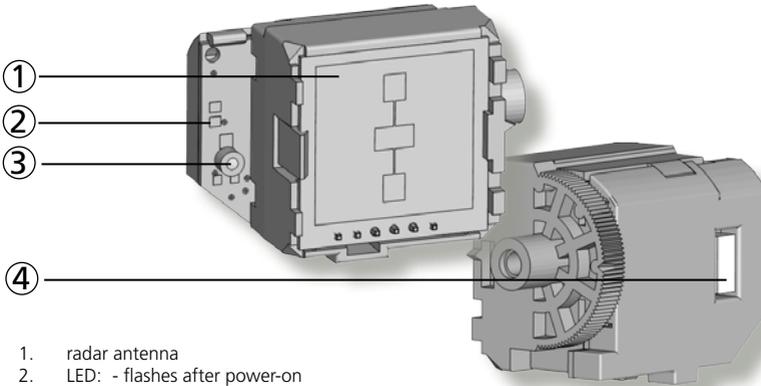


# CGS-1 2G

## Compact gate sensor

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

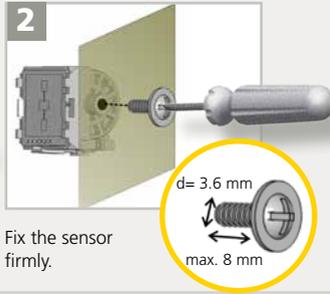
Technology:	microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm <sup>2</sup>
Detection mode:	motion
Min. detection speed:	5 cm/s (measured in sensor axis)
Supply voltage:	12 V to 24 V DC +30% / -10%
Max power consumption:	< 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
Norm conformity:	R&TTE 1999/5/EC, LVD 2006/95/EC, RoHS 2 2011/65/EU

Specifications are subject to changes without prior notice.  
Measured in specific conditions

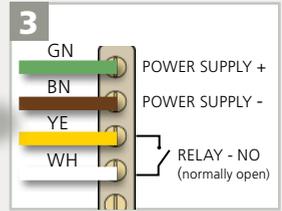
# 1 MOUNTING & WIRING



Drill a hole for the screw.

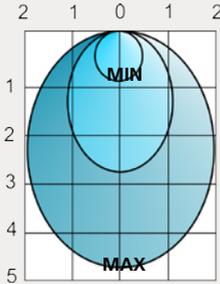
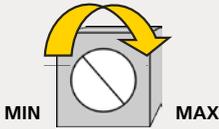


Fix the sensor firmly.



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.

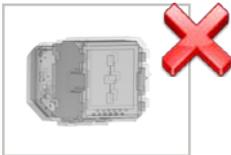


The gate closes and opens constantly.

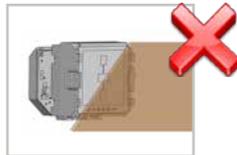
The sensor is disturbed by the closing of the gate or vibrations caused by the gate motion.

1 Make sure the sensor is fixed properly.  
2 Increase the tilt angle.  
3 Reduce the field size.

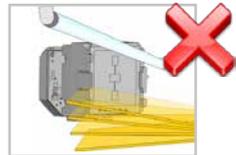
## TIPS



Avoid extreme vibrations.



Do not cover the sensor.



Avoid proximity to neon lamps or moving objects.



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BEA hereby declares that the CGS-1 2G is in conformity with the basic requirements and the other relevant provisions of the directives 1999/5/EC, 2006/95/EC and 2011/65/EU.

Angleur, June 2013

Pierre Gardier, Authorized representative

The complete declaration of conformity is available on our website: [www.sensorio.be](http://www.sensorio.be)

For EC countries: according to the directive 2002/96/EC for Waste Electrical and Electronic Equipment (WEEE)

