

In compliance with the following Council Directives

**1999/5/EC:** **R&TTE Directive**  
**2006/95/EC:** **Low Voltage Directive**  
**2011/65/EU:** **RoHS 2 Directive**



We, manufacturer: **BEA SA**  
**LIEGE Science Park**  
**Allée des Noisetiers 5**  
**B-4031 ANGLEUR (Belgium)**

declare under our sole responsibility that the following product(s)

**GS-1** **microwave motion sensor for motorised gates**

to which this declaration relates are in conformity with the relevant provisions of the following standard(s) or other normative document(s):

<b>EN 300 440-1 &amp; 2</b>	ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Short Range Devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range;
2010-08	Part 1: Technical characteristics and test methods
2010-12	Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
<b>EN 301 489-1 &amp; 3</b>	ElectroMagnetic Compatibility and Radio spectrum Matters (ERM) ElectroMagnetic Compatibility (EMC) standard for radio equipment and services
2011-09	Part 1: Common technical requirements
2002-04	Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz.
<b>EN 60950-1</b>	Information Technology Equipment – Safety
2005-12	Part 1: General Requirements

Additional standards or normative documents:

<b>EN 62311</b>	Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)
2008-01	

The technical information is maintained at BEA SA and includes the following document(s):

**Technical Construction File N° TCF0010.01.TE**

We, the undersigned, hereby declare that the equipment specified above conforms to the above Council Directive(s) and Standard(s).

Pierre GARDIER (Authorised representative)  
R&D Manager  
April, 2014



Elmar KOCH  
Managing Director  
April, 2014



# GS-1

## ADDITIONAL PRODUCT INFORMATION

### IMPORTANT INFORMATION CONCERNING THE USE OF THE TRANSMITTER

- Transmitter head characteristics:

Output frequency:	24.150 GHz
Transceiver Output Power:	< +7 dBm
Transceiver + Antenna EIRP:	< +20 dBm
Operating Voltage:	5V DC $\pm$ 5 %
Operating Current:	50 mA typ.
Operating temperature range:	-30°C to +70°C

### CONSTRAINTS CONCERNING THE USE OF RADIO EQUIPMENT IN THE EU

COUNTRY	OUTPUT POWER	FREQUENCY BAND	STATUS
AUSTRIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
BELGIUM	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
DENMARK	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
FINLAND	100 mW E.I.R.P.	24.000 – 24.250 GHz	NO LICENCE REQUIRED
FRANCE	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
GERMANY	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
GREECE	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
IRELAND	100 mW E.I.R.P.	24.000 – 24.250 GHz	NO LICENCE REQUIRED
ITALY	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
LUXEMBOURG	100 mW E.I.R.P.	24.000 – 24.250 GHz	NO LICENCE REQUIRED
NETHERLANDS	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
PORTUGAL	100 mW E.I.R.P.	24.000 – 24.250 GHz	NO LICENCE REQUIRED
SPAIN	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
SWEDEN	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
UNITED KINGDOM	100 mW E.I.R.P.	24.150 – 24.250 GHz	NO LICENCE REQUIRED
ICELAND	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
NORWAY	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
SWITZERLAND	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
CYPRUS	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
CZECH REPUBLIC	100 mW E.I.R.P.	24.000 – 24.250 GHz	NO LICENCE REQUIRED
ESTONIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
HUNGARIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
LITHUANIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
POLAND	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
SLOVAKIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
SLOVENIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
LATVIA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED
MALTA	100 mW E.I.R.P.	24.050 – 24.250 GHz	NO LICENCE REQUIRED

### SAFETY RELATED PRECAUTIONS

This equipment must be powered by an EN 60950-1 approved Class II SELV and Limited Power Source. This requirement consists of the need for a double isolation between primary voltages and sensor power supply. The power supply current will be limited by a fuse rated between 0.5A and 3A. We recommend a value of 0.5A T.