

In compliance with the following Council Directives

1999/5/EC: **R&TTE Directive**
2006/95/EC: **Low Voltage Directive**
2004/108/EC: **EMC Directive**
2002/95/EC: **RoHS 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

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

EN 300 440-2 2008-05	Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Short Range Devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
EN 301 489 -1 2007-04	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services
EN 301 489 -3 2002-04	Part 1: Common technical requirements Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz.
EN 60950-1 2005-12	Information Technology Equipment – Safety Part 1: General Requirements
EN 50392 2004-01	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)

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

Technical Construction File N° TCF023

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

Manufacturer:

Signature:

Name: Philippe VAN GENECHTEN
Position: General Manager
Date: October, 2008

Signature:

Name: Yves BORLEZ
Position: Research & Development Manager
Date: October, 2008

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:	80 mA typ.
Operating temperature range:	-30°C to +70°C

- Critical sealed adjustments not to be touched
- Allowed Antennas: Patch Antenna 3x1, 3x2, or 3x3

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

WARNING! 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.