DECLARATION OF CONFORMITY

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**
2006/42/EC:	**Machinery 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)

ACTIV8 ONE ON – ACTIV8 ONE PULSE – ACTIV8 TWO ON
microwave motion and self monitored active infrared presence sensor

ACTIV8 THREE ON – ACTIV8 THREE PULSE – ACTIV8 THREE F
self monitored microwave motion and active infrared presence sensor
for escape doors

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 & 3	Electromagnetic compatibility and Radio spectrum Matters (ERM) ElectroMagnetic Compatibility (EMC) standard for radio equipment and services
2007-04	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.
EN 60950-1 2005-12	Information Technology Equipment – Safety Part 1: General Requirements
EN IEC 62061 SIL 2 2005-01	Functional safety of electrical/electronic/programmable electronic safety-related systems
EN 12978 2009-03	Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods
EN ISO 13849 Pl c/d 2008-08	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design **Performance level "c" & Performance level "d" (radar opening part)**
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° TCF074

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

Yves BORLEZ, Authorised representative
Research & Development Manager
December, 2009

Philippe VAN GENECHTEN
General Manager
December, 2009

Notified body for EC inspection: 0044

ACTIV8
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 ± 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.

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