

DECLARATION OF CONFORMITY

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)

FALCON microwave motion sensor for industrial doors (3.5 -7 m)
FALCON XL microwave motion sensor for industrial doors (2 - 3.5 m)

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

EN 300 440-1 & 2	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
2010-08	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
2011-09	Part 1: Common technical requirements
2013-08	Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz.
IEC 60950-1	Information Technology Equipment – Safety
2013-05	Part 1: General Requirements
IEC 62311	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)
2007-08	
EN 62311	
2008-01	

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

Technical Construction File N° TCF9224

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
August, 2015

Elmar KOCH
Managing Director
August, 2015

FALCON

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

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.