

In compliance with the following Council Directives

1999/5/EC: R&TTE Directive
2006/95/EC: Low Voltage Directive
2006/42/EC: Machinery 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)

IXIO-DT1 / IXIO-DP1
 microwave motion and self-monitored active infrared presence sensor
IXIO-DT3 / IXIO-DT3 R / IXIO-DT3 ER / IXIO-DT3 LR / IXIO-DP3
 self-monitored microwave motion and active infrared presence sensor also for emergency exits

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 2010-08 2010-12	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 1: Technical characteristics and test methods Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
EN 301 489 -1 & 3 2011-09 2013-08	ElectroMagnetic Compatibility and Radio spectrum Matters (ERM) ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 1: Common technical requirements Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz.
EN 60950-1 2013-05	Information Technology Equipment – Safety Part 1: General Requirements
EN ISO 13849-1 PI c/d 2008-08	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design Performance level "c" CAT 2 for the self-monitored active infrared presence function Performance level "d" CAT 2 for the self-monitored microwave motion function
EN IEC 62061 SIL2 2005-01	Functional safety of electrical/electronic/programmable electronic safety-related systems
EN 61496-1 ESPE Type 2 2012-04	Safety of Machinery - Electro-sensitive protective equipment Part 1: General requirements and tests

Additional standards or normative documents:

EN 62311 2008-01	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)
IEC 60825-1 2014-05	Safety of laser products Part 1: Equipment classification and requirements
EN 12978 2009-03	Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods
EN 16005 2012-10	Powered pedestrian doors - Safety in use of power pedestrian doors - Requirements and test methods

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

Technical Construction File N° TCF9206.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
 March, 2015

Elmar KOCH
 Managing Director
 March, 2015

IXIO-DT/DP

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

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.