



EU DECLARATION OF CONFORMITY

We, the undersigned,

BEA SA, LIEGE Science Park, Allée des Noisetiers, 5, 4031 Angleur, Belgium

declare that the declaration of conformity is issued under our sole responsibility and belongs to 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

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

| | |
|-------------------|---------------------|
| 2014/53/EU | RED Directive |
| 2006/42/EC | Machinery Directive |
| 2011/65/EU | RoHS 2 Directive |

The following harmonised standards and technical specifications have been applied:

| | |
|---|---|
| EN 300 440-2 V1.4.1 | 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 covering the essential requirements of article 3.2 of the R&TTE Directive |
| EN 301 489-1 V1.9.2 | Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements |
| EN 301 489-3 V1.6.1 | Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz |
| EN 62311:2008 | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz) |
| EN 62479:2010 | Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) |
| EN ISO 13849-1:2015 | Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (Performance level "d" CAT 2) |
| EN 62061:2005 +A1:2013+A2:2015+AC:2010 | Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems (SIL2) |
| EN 61496-1:2013 | Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests (ESPE Type2) |
| EN 12978:2003 +A1:2009 | Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods |
| EN 50581:2012 | Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances |

Additional standards or normative documents:

| | |
|---|--|
| EN 16005:2012 (4.6.8) +AC:2015 | Powered pedestrian doors - Safety in use of power pedestrian doors - Requirements and test methods (Chapter 4.6.8) |
| DIN 18650-1:2010 (5.7.4) | Powered pedestrian doors - Part 1: Product requirements and test methods (Chapter 5.7.4: Protective devices) |
| EN 60825-1:2014 | Safety of laser products - Part 1: Equipment classification and requirements |

Notified body for EC inspection: 0044, TÜV NORD CERT GmbH, Langemarckstr. 20, 45141 Essen

EC-type examination No.: 44 205 13089612

Angleur, 14th September 2017
Pierre GARDIER, Chief Technology Officer
(authorized representative)

Angleur, 14th September 2017
Elmar KOCH, Managing Director



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.