



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):

MATRIX-S-12-24, MATRIX-S-220	single induction loop controller
MATRIX-D-12-24, MATRIX-D-220	double induction loop controller
MATRIX-4-S-12-24, MATRIX-4-D-12-24	induction loop controller with memory effect

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

2014/53/EU	RED Directive
2011/65/EU	RoHS 2 Directive

The following harmonised standards and technical specifications have been applied:

EN 300 330-2 V1.6.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; 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)

Angleur, 12th June 2017
Pierre GARDIER
Chief Technology Officer
(authorized representative)

Angleur, 12th June 2017
Elmar KOCH
Managing Director



IMPORTANT INFORMATION CONCERNING THE USE OF THE TRANSMITTER

- Transmitter head characteristics:

Output frequency:	20.05 – 130 kHz
Output current:	< 150 mA
Field strength:	< 42dB μ A/m @ 10 m
Operating voltage:	220 V for MATRIX-220; 12-24 V for MATRIX-12-24
Operating temperature range:	-30°C to +70°C

- To fulfill the field strength limit requirements, constraints are imposed on the loop sizes and number of turns. These are detailed in the product user's guide.

SAFETY RELATED PRECAUTIONS

WARNING!

Installation of these products should only be undertaken by a qualified electrician.

The 12-24V versions of 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.