

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

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)

MATRIX loop detector
MATRIX-S-12-24
MATRIX-S-220
MATRIX-D-12-24
MATRIX-D-220
MATRIX-3-S-12-24
MATRIX-3-D-12-24
MATRIX-4-S-12-24
MATRIX-4-D-12-24

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

EN 300 330-2 2004-11	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 under article 3.2 of the R&TTE Directive
EN 301 489 -1 2007-04	Electromagnetic compatibility and Radio spectrum Matters (ERM) Electromagnetic Compatibility (EMC) standard for radio equipment and services;
EN 301 489 -3 2002-04	Part 1: Common technical requirements 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

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

Technical Construction File N° TCF025

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

Manufacturer:

Signature:

Name: Philippe VAN GENECHTEN
Position: General Manager
Date: December, 2009

Signature:

Name: Yves BORLEZ
Position: Research & Development Manager
Date: December, 2009

MATRIX

ADDITIONAL PRODUCT INFORMATION

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

- Constraints on loop sizes: in order 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.