



COZIR™ Application Note

1 Rohs

GSS Ltd. hereby certifies that its COZIR, SprintIR and MISIR products are RoHS Compliant and fulfills the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE)

2 RFI

The COZIR family of sensors has been used in client and GSS products which have successfully passed through full CE certification. This includes radiated noise immunity as per EN61000-4-3: 2006 Type 1

80 – 1000MHz, 3V/m, 80%, 1kHz AM

1400 – 2000, 3V/m, 80%, 1kHz AM

2000 – 2700MHz, 3V/m, 80%, 1kHz AM

To minimise issues with noise immunity we recommend the following:

- 1) Add a decoupling capacitor across the supply close to the sensor.
- 2) If you are using a switched mode supply, use shielded inductors, and locate away from the sensor. This also applies to other magnetic components such as electromagnetic buzzers.
- 3) Avoid routing power tracks or leads across the sensor.

This documentation is provided on an as-is basis and no warranty as to its suitability or accuracy for any particular purpose is either made or implied. Gas Sensing Solutions Ltd will not accept any claim for damages howsoever arising as a result of use or failure of this information. Your statutory rights are not affected. This sensor is not intended for use in any medical appliance or device or in any system in which the failure of the product might reasonably be expected to result in personal injury. This document provides preliminary information that may be subject to change without notice.

The information in this guide is for the use of employees and customers of GSS Ltd only.