IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx EXV 16.0002X**	Page 1 of 5	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2021-07-16) Issue 0 (2016-05-20)
Date of Issue:	2022-03-17		
Applicant:	**Oliver IGD Ltd. (International Gas Detectors)** Triton House Crosby Street Stockport SK2 6SH **United Kingdom**		
Equipment:	**JB3/Tocsin 903**		
Optional accessory:			
Type of Protection:	**Flameproof 'db' and Dust ignition protection by enclosure 'tb'**		
Marking:	Ex db IIC T6 Gb T_{amb} -20°C to +40°C Ex tb IIIC T85°C Db T_{amb} -20°C to +40°C Ex db IIC T5 Gb T_{amb} -20°C to +55°C Ex tb IIIC T100°C Db T_{amb} -20°C to +55°C		

Approved for issue on behalf of the IECEx Certification Body: **Sean Clarke CEng MSc MIET**

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom

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Manufacturer: **Oliver IGD Ltd. (International Gas Detectors)**
Triton House
Crosby Street
Stockport SK2 6SH
United Kingdom

Manufacturing locations: **Oliver IGD Ltd. (International Gas Detectors)**
Triton House
Crosby Street
Stockport SK2 6SH
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/EXV/ExTR16.0002/00 GB/EXV/ExTR21.0067/00 GB/EXV/ExTR22.0022/00

Quality Assessment Report:

GB/EXV/QAR16.0001/04

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The JB3 (also known as the Tocsin 903) is made up of a component certified Ex d enclosure with up to 2 approved gas detectors fitted into it. The component enclosure has either three M20 threaded entries, covered under certificate IECEx FTZU 12.0017U or five M20 entries covered under certificate IECEx FTZU 21.0002U. The enclosure can also be provided without a detector fitted. The enclosure has a threaded lid with the option of window being fitted.

Both internal and external earthing is provided.

Rating – 12-32VDC 2.5W MAX

SPECIFIC CONDITIONS OF USE: YES as shown below:
The enclosures can have a non-conductive coating applied and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

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Equipment (continued):

Technical documents:

Title:	Drawing No.:	Rev. Level:	Date:
Typical 903 Labelling Drawing Sheet 1 of 2	903-LBL-001	5	09.06.21
Typical JB3 Labelling Drawing Sheet 2 of 2	JB3-LBL-001	5	09.06.21
JB3 903 Concept Drawing	903-1-002	6	13.01.2022

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue introduces the following changes:

- Inclusion of new five entry component enclosure, description has been updated accordingly.
- Rationalisation of GA drawings into a single document.