



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx ITA 07.0013X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2017-05-01\)](#)
Date of Issue: **2017-05-01** [Issue No. 0 \(2008-02-05\)](#)
Applicant: **Austdac Pty Ltd**
Unit 1, 42 Carrington Road
Castle Hill, NSW, 2154
Australia
Equipment: **Type MFLA2 Roadside Flasher**
Optional accessory:
Type of Protection: **Ex ia**
Marking: IECEx ITA 07.0013X
Ex ia I IP66

Approved for issue on behalf of the IECEx
Certification Body:

David Price

Position:

Certification Authority

Signature:
(for printed version)

Date:

2017-05-01

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 the [Official IECEx Website](#).

Certificate issued by:

TUV Rheinland Australia Pty. Ltd
1/30 Kennington Drive
Tomago NSW 2322
Australia





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Manufacturer: **Austdac Pty Ltd**
Unit 1, 42 Carrington Road
Castle Hill, NSW, 2154
Australia

Additional Manufacturing location(s):

Dongguan Hubbell Electrical Products Company Limited

Xincheng Industrial Zone
Hengli Town, Dongguan City
523460, Guangdong
China

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 electrical apparatus 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 : 2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition:4.0
IEC 60079-11 : 2006 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:5

*This Certificate **does not** indicate compliance with electrical 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 Report:

[AU/ITA/ExTR08.0001/00](#)

Quality Assessment Report:

[AU/ITA/QAR06.0001/11](#) [AU/ITA/QAR15.0002/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The apparatus is designed to be a portable self-contained Instrument, which gives a visual warning when energized. The apparatus consists of an integral encapsulated battery pack, a printed wiring board (PWB) upon which electronic components are mounted. The battery pack and PWB are housed in a plastic and steel enclosure and a switch for energizing the apparatus mounted in the upper surface of the enclosure. The apparatus comes with three options listed below;

1. Remote switching. An alternative model is available with an integral cable (4 m maximum length) that is for controlling the apparatus remotely.
2. An optional "S" hook.
3. A magnetic base housed in mild steel housing

SPECIFIC CONDITIONS OF USE: YES as shown below:

See annex for details



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

See annex for details

Annex:

[IECEX ITA 07.0013X-1 Annex.pdf](#)

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Annexe



Annexe for Certificate No.:

IECEX ITA 07.0013X

Issue No.:

1

Description:

As provided in the Equipment section on the main body of the certificate.

Conditions of Certification pertaining to Issue 0 of this Certificate:

1. The optional integral cable shall only be connected to a voltage free switching device (eg relay contact) with appropriate ratings and segregation to suit the entity parameters listed in the following table.

$U_o =$	6.6	V
$I_o =$	125	mA
$P_o =$	169	mW
$C_o =$	1000	μ F
$L_o =$	30	mH
$C_i =$	Negligible	nF
$L_i =$	Negligible	nH
$U_i =$	0	V
$U_m =$	0	V

2. The apparatus contains no user replaceable electronic components.

Variations permitted by Issue 1 of this certificate:

- Change in address of the manufacturer. QAR has been updated.
- Allow HAL (China) as an alternative manufacturing site.
- Revised marking label drawing with ATEX and MSHA certificate numbers added (* the C_o , L_o and L_i parameters are lower than the allowable values provided in the table above for the Conditions of Certification pertaining to Issue 0, and this is acceptable).
- Minor editorials to the certificate to transfer to new template.

Conditions pertaining to Issue 1 of this certificate:

No variations from the earlier certificate.

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Annexe



Annexe for Certificate No.:	IECEX ITA 07.0013X	Issue No.:	1
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Drawings Associated with the Issue 1 of this Certificate:

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
Roadside Flasher Type MFLA2 Label Details	59-074-13	1	07	2008/10/22