



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 ExTC 18.0014X

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-10-15\)](#)

Status: **Current**

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Date of Issue: **2018-10-15**

Applicant: **R&D Technology Pty Ltd**
102 Munibung Road
Cardiff NSW 2285
Australia

Equipment: **Tilt Switches XTREME Series XTSD-Ex-10 and XTSI-Ex-10**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking:
Ex ia I Ma IP66/68 (2m 1hr)

*Approved for issue on behalf of the IECEx
Certification Body:*

James Bes

Position:

Certification Authority

*Signature:
(for printed version)*

Date:

2018-10-15

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:

Ex Testing and Certification Pty Ltd
1/30 Kennington Drive
Tomago NSW 2322
Australia



TESTING & CERTIFICATION



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Date of Issue: **2018-10-15** Page 2 of 3
Manufacturer: **R&D Technology Pty Ltd**
102 Munibung Road
Cardiff NSW 2285
Australia

Additional Manufacturing location(s):

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 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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/EXTC/ExTR18.0012/00](#)

Quality Assessment Report:

[AU/EXTC/QAR18.0004/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The tilt switch consists of a hollow PVC cylinder of diameter 42mm and length 150 mm to 220mm, with cemented plugs both ends, provided with an integral cable and M16 cable gland, internally containing either a Snap Action Tilt Switch (model XTSD-Ex-10) or Mercury Tilt Switch (model XTSl-Ex-10). It is provided with a stainless steel hanger as a method of attachment of the tilt switch.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Annexe for details.

Annex:

[IECEX_ExTC_18.0014_0 Annex Final.pdf](#)

IECEX Certificate of Conformity



Annexe



Annexe for Certificate No.:

IECEX ExTC 18.0014X

Issue No.:

0

Conditions of Certification pertaining to Issue 0 of this Certificate:

1. The following parameters must be observed when connecting in an intrinsically safe circuit:

XTREME Series XTSD and XTSI with 6m of cable included	
Ui	30 V
Ii	1 A
Pi	3.3 W
Li	5 μ H
Ci	1 nF

Drawing list pertaining to Issue 0 of this Certificate:

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
Wiring Diagram – XTREME TILT XTSI & XTSD	25762-001	1	A	2018-03-13
Tilt Switch Components	001	1	1	2018-10-10
Tilt Switch Components	003	1	1	2018-10-10
Tilt Switch General Arrangement Assembly	005	1	1	2018-10-10
XTSD & XTSI General Arrangement	25762-101	1	B	2018-08-24
Ex Label	RD130	1	A	2018-09-24
Product Information XTREME Series Tilt	020118_XTREME_TILT-Ex	2	-	-