



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 TSA 06.0007U** Issue No.: **1**

Status: **Current**

Date of Issue: **2007-02-19** Page 1 of 5

Applicant: **Temperature Controls Pty Ltd**
7 Yamma St
Sefton NSW 2162
Australia

Electrical Apparatus: **Terminal Head Types TC20EXD1 (flameproof) and TC20EXE1 (Increased Safety)**
Optional accessory:

Type of Protection: **Ex d or Ex e**

Marking: **Temperature Controls Pty Ltd**
Type TC20EXD1, Ex d IIC T6 IP66
40V 3 WATT SERIAL No.
IECEX TSA 06.0007U or,
Temperature Controls Pty Ltd
Type TC20EXE1, Ex e II T6 IP66
40V 3 WATT SERIAL No.
IECEX TSA 06.0007U

*Approved for issue on behalf of the IECEx
Certification Body:* Mr. Ujen Singh

Position: Quality and Certification Manager

Signature:
(for printed version)

Date:

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](http://www.iecex.com).

Certificate issued by:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Manufacturer: **Temperature Controls Pty Ltd**
7 Yamma Street
Sefton NSW 2162
Australia

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 manufacture'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 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'

*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/TSA/ExTR06.0013/00](#)
[AU/TSA/ExTR06.0121/00](#)

Quality Assessment Report:

[AU/TSA/QAR06.0018/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Flameproof Terminal Head is a die-cast aluminium circular enclosure with a screw-on lid. The material contains 0.1% magnesium. The enclosure may be fitted with either non-certified 6-way terminal block (Ex d version) or with a maximum of six previously Exe certified (IECEX SIR 05.0038U) Weidmuller model AKZ4 terminals on a DIN rail (Ex e version).

The model number for the enclosure when installed as a flameproof component is TC20EXD1 whereas the model number when installed as an increased safety component is TC20EXE1.

The enclosure has a temperature class of T6 and must only be installed in an atmosphere with an ambient temperature between -20 DegC and +60 DegC.

The terminal head must only be used in conjunction with a suitable IEC certified temperature probe.

The probe may be installed in an atmosphere with an ambient temperature between -20 DegC and +60 DegC.

CONDITIONS OF CERTIFICATION: NO



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



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Additional information:

This issue 1 of the certificate was issued to correct several typing errors. See Annexe to certificate IECEX TSA 06.0007U

Annexe: [Annexe to certificate IECEX TSA 06_0007U.pdf](#)