



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 LCI 07.0003X issue No.: 1
Status: **Current**
Date of Issue: 2008-11-17 Page 1 of 4

Certificate history:
Issue No. 1 (2008-11-17)
Issue No. 0 (2007-5-11)

Applicant: **EXHEAT LIMITED**
Thrextan Road Industrial Estate
Watton, Thetford, Norfolk
IP25 6NG
United Kingdom

Electrical Apparatus: **...FT Flameproof thermostat**
Optional accessory:

Type of Protection: **Flameproof 'd' and Dust 'tD' (AFT model only)**

Marking: **EXHEAT LIMITED**
Type : HFT or AFT
Ex d IIC T6
Ex tD IP6X A21 T85°C (AFT only)
Serial Number
Year of construction
LCI 07.0003 X
WARNING - DO NOT OPEN WHILE ENERGIZED
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE DUST ATMOSPHERE IS PRESENT

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

Certification manager

Signature:
(for printed version)

Date:

21-11-2008

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:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





IECEX Certificate of Conformity

Certificate No.: IECEx LCI 07.0003X

Date of Issue: 2008-11-17

Issue No.: 1

Page 2 of 4

Manufacturer: **EXHEAT LIMITED**
Threxton Road Industrial Estate
Watton, Thetford, Norfolk
IP25 6NG
United Kingdom

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 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 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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:

FR/LC/ExTR07.0003/01

Quality Assessment Report:

FR/LC/QAR06.0005/00



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 07.0003X

Date of Issue: 2008-11-17

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Thermostat contained in a flameproof enclosure with an external air temperature sensing probe contained in a suitable housing. An optional externally adjustable version is included. This equipment is designed to operate in an ambient temperature of -60°C to +60°C.
The enclosure is a flameproof enclosure with a spigot flamepath lid to body joint, made of stainless steel (HFT model) or aluminium (AFT model).
The maximum total capacity of components included is rated to 20A up to 300V. There are 2 models of enclosures. Each model is equipped with a probe housing. One model can be equipped by an optional external adjuster.
HFT model is suitable for a use in gas explosive atmospheres.
AFT model is suitable for a use in gas and dust explosive atmospheres.
Refer to the manufacturer technical documents for complete description.

CONDITIONS OF CERTIFICATION: YES as shown below:

The calorific transfer of sensor shall not transmit, in any case a heating above 80°C, including ambient temperature, to all thermostat part directly in contact with explosive atmosphere.



IECEX Certificate of Conformity

Certificate No.: IECEx LCI 07.0003X

Date of Issue: 2008-11-17

Issue No.: 1

Page 4 of 4

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

- Change of company name : EXHEAT instead of HEATEX
- Compliance for low ambient temperature -60°C.
- Tamb : -60°C up to +60°C