Prüf- und Zertifizierungsstelle

ZELM Ex

(1) # EC-TYPE-EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-TYPE-EXAMINATION CERTIFICATE Number:

ZELM 03 ATEX 0162

(4) Equipment: **Temperature Controller type TRS../...AT**

(5) Manufacturer: **Erich Ott**

(6) Address: **D-65189 Wiesbaden**

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Prüf- und Zertifizierungsstelle ZELM Ex, notified body No. 0820 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report ZELM Ex 0260315201.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50 014: 1997+A1+A2 **EN 50 028: 1987** **EN 50 018: 2000**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this Certificate.

(12) The marking of the equipment shall include the following:

Ex **II 2 G EEx md IIC T4**

Zertifizierungsstelle **ZELM Ex**

Dipl.-Ing. Harald Zelm

Zertifizierungsstelle ZELM Ex

Braunschweig, July 7, 2003

EC-type-examination Certificates without signature and stamp are not valid. The certificates may only be circulated without alteration. Extracts or alterations are subject to approval by the Prüf- und Zertifizierungsstelle ZELM Ex.
This English version is based on the German text. In the case of dispute, the German text shall prevail.

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(13) # SCHEDULE

(14) **EC-TYPE-EXAMINATION CERTIFICATE ZELM 03 ATEX 0162**

(15) Description of equipment

The temperature controller with voltage reduction is used for the regulation of heating systems which are adapted with the aid of the phase angle control onto the operating voltage in order to reduce the thermal load of the heaters to a minimum in the nominal operation.

Electrical data

Supply circuit	230 V + 10% -15%, 48...62 Hz, approx. 7 VA
Output circuit	70 V – 223 V~ Up to 7 A ≥ 13,5 Ω (load resistance)
Regulation temperature	+5 °C up to +70 °C

References:

The instruction manual has to be considered.

(16) Report No.

ZELM Ex 0260315201

(17) Special conditions for safe use

not applicable

(18) Essential Health and Safety Requirements

met by standards

Zertifizierungsstelle **ZELM Ex**

Dipl.-Ing. Harald Zelm

Zertifizierungs- und Prüfstelle ZELM Ex

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