



(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 0195

- (4) Equipment: **Sensors with switching function Type Ex T. ...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 Nr. ZELM Ex 1010315248.

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

EN 50 014: 1997+A1+A2

EN 50 018: 2000

EN 50 028: 1987


- (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:



II 2 G EEx md II Tx

Zertifizierungsstelle ZELM Ex

Braunschweig, December 15, 2003


Dipl.-Ing. Harald Zelm





(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE ZELM 03 ATEX 0195

(15) Description of equipment

The Sensors with switching function serve as controller for radiators. Their function is to reduce thermal load to a minimum while nominal rating.

The allowable ambient temperature is -40°C to $+180^{\circ}\text{C}$, dependent on the specific design.

Electrical Data

Nominal Voltage	230V~ +10% -15%
Nominal Current	10 A
Temperature switching Point	$+5^{\circ}\text{C}$ to $+180^{\circ}\text{C}$

The temperature class is depending on design and nominal temperature of the equipment. The appropriate specifications are to be taken from the type plate.

Note:

The operating instructions have to be observed.

(16) Report No.

ZELM Ex 1010315248

(17) Special conditions for safe use


not applicable

(18) Essential Health and Safety Requirements

met by standards

Zertifizierungsstelle ZELM Ex

Braunschweig, December 15, 2003


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