

CERTIFICATE

(1) Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **DEKRA 13ATEX0077 X** Issue Number: 2

(4) Equipment: **Flame detector model UV/IR-210/1CZ Series, model UV-185/5CZ Series and model IR3-109/1CZ Series**

(5) Manufacturer: **Sense-WARE Fire and Gas Detection BV**

(6) Address: **Storkstraat 7, 3905 KX Veenendaal, The Netherlands**

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

(8) DEKRA Certification B.V., 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 confidential test report no. 215902700, issue 2.

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

EN 60079-0 : 2012 + A11 : 2013

EN 60079-15 : 2010

EN 60079-31 : 2014

(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 Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

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



**II 3G Ex nA IIC T4 Gc
II 3D Ex tc IIIC T71 °C Dc**

This certificate is issued on 7 October 2015 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 13ATEX0077 X**

Issue No. 2

(15) **Description**

Flame detector model UV/IR-210/1CZ Series is a combination of an UV- and IR-flame detector, model UV-185/5CZ Series is a UV-flame detector and model IR3-109/1CZ Series is a Triple IR-flame detector.

The type code, the temperature class, the ambient temperature range and the maximum surface temperature T at the maximum ambient temperature of the modules shall be taken from **Table 1**.

The enclosure provides a degree of protection of at least IP65.

Electrical data

The electrical data of the supply and the input and output circuits shall be taken from **Table 1**.

Installation instructions

The manual provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 215902700, issue 2.

(17) **Special conditions for safe use**

1. When the temperature under rated conditions exceeds 70 °C at the cable or conduit entry point, or 80 °C at the branching point of the conductors, the temperature specification of the selected cable shall be in compliance with the actual measured temperature values.
2. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 215902700, issue 2.

Table 1

Description	Type No.	Temp. Class	Max. Surface Temp.	Ambient Range Ta:	Degree of Protection IP	Supply Volt.
UV/IR-flame detector	UV/IR-210/1CZ	T4	T71 °C	-25 to +70 °C	65	10-28V dc
UV-flame detector	UV-185/5CZ	T4	T71 °C	-25 to +70 °C	65	10-28V dc
Triple IR-flame detector	IR3-109/1CZ	T4	T71 °C	-25 to +70 °C	65	10-28V dc