CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

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

(4) Product: **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 B.V.**

(6) Address: **Fokkerstraat 25, 3905 KV Veenendaal, The Netherlands**

(7) This product 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. 215902700, issue 3.

(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**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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

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

Date of certification: 25 May 2021

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) # SCHEDULE

(14) **to Type Examination Certificate DEKRA 13ATEX0077 X** Issue No. **3**

(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.

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

Electrical data

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

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 215902700, issue 3.

(17) **Specific conditions of 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 item (9).

(19) **Test documentation**

As listed in Report No. 215902700, issue 3.

(13) # SCHEDULE

(14) **to Type Examination Certificate DEKRA 13ATEX0077 X** Issue No. **3**

(20) **Certificate history**

Issue 1 -	215902700	initial certificate
Issue 2 -	218419700	IR3-109/1CZ Series added, assessd per newer edition of the standard
Issue 3 -	225645100	Manufactuer address change