



EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 14 ATEX 5548X Issue 1
- [4] Product: Digital Flame Proof Dual IR Flame Detector
- [5] Manufacturer: Gulf Security Technology Co., Ltd.
- [6] Address: No. 80, Changjiang East Road, QETDZ, Qinhuangdao, Hebei, P. R. China 066004
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 the Directive.
The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013, EN 60079-1:2014 and EN 60079-31:2014.
- [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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:

	II 2 G	Ex db IIC T6 Gb
	II 2 D	Ex tb IIIC T80°C Db

Date of issue:
2018-12-11



This certificate may only be reproduced in its entirety and without any change, schedule included.

Asle Kaastad
For DNV GL Presafe AS
The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info

[13]

Schedule

[14] **EU-TYPE EXAMINATION CERTIFICATE No.:** Presafe 14 ATEX 5548X Issue 1

[15] **Description of Product**

The enclosure of Digital Flame Proof Dual IR Flame Detector is made of stainless steel, and consists of back cover and top cover with a sapphire (Al_2O_3). The back cover and top cover are connected by spigot joints and hexagon socket head cap screws (M8×25). The screws used for the assembly must be of yield stress higher or equal to 700N/mm².

It has one incorporated cable gland with rubber sealing ring and one blanking element installed in back cover by threaded joints (M27×2). Detection and control circuit are installed inside the enclosure.

Type designation

D-9107RExd

Electrical Data

Operating Voltage: 24 V d.c.

Degrees of protection (IP Code)

IP65

Ambient temperature:

-20°C to +55°C

Routine tests

- Every box must be tested according to EN 60079-1, Clause 16. The test pressure shall be 1.1MPa. Duration between 10s and 60s.

[16] **Report No.:** D0001504, Rev. 01

Project No.: PRJC-587682-2018-PRC-CHN

[17] **Specific Conditions of Use**

– Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 3 and 4 of EN 60079-1.

[18] **Essential Health and Safety Requirements**

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
F3.780.649	General Assembly	V3	2018-11-19
F6.106.247-01	Pressing Nut	V1	2014-1-21
F6.106.247-03	Washer	V1	2014-1-21
F6.106.247-04	Sealing Ring	V4	2014-1-21
F6.106.352-01-02	Retaining Ring	V1	2014-1-21
F6.106.352-01-03	Rubber Washer	V1	2014-1-21
F6.106.352-01-04	Sapphire	V3	2014-1-21
F6.106.352-01-05	Detector Shield	V1	2014-1-21
F6.106.376-02-01b	Back Cover	V3	2014-1-21
F6.106.376-02-02	Mounting Board	V1	2014-1-21
F6.106.376-02-03	Rope Screw	V1	2014-1-21
F6.106.376-02-04	Plug	V2	2014-1-21
F6.106.427-01	Cable Gland	V1	2014-1-21
F6.106.815-01-01	Top Cover	V3	2014-1-21
F6.116.258	Bottom Cover	V1	2014-1-21
F8.807.1583	Nameplate	V8	2018-11-19

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2015-03-17	D0001504, Rev. 00
1	The applied standards were updated to the latest versions	2018-12-11	D0001504, Rev. 01

END OF CERTIFICATE