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**EU – TYPE EXAMINATION CERTIFICATE**[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU.[3] EU-Type Examination Certificate Number: **EXA 14 ATEX 0005X**Issue: **2**[4] Product: **Heat fire detectors**Type: **TD-811Exi, TD-812Exi,  
TMD-811Exi, TMD-812Exi,  
TMD-812/75Exi, TMD-812/95Exi**[5] Manufacturer: **MAJUR d.o.o.**[6] Address: **Fallerovo šetalište 20, 10000 Zagreb, Croatia**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] Ex-Agencija, Notified Body number 2465 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 of the Directive.

The examination and test results are recorded in confidential Report No.: **EXA 18CR037**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012/A11:2013****EN 60079-11:2012**

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 Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:

**II 2G Ex ib IIC T6...T4 Gb  
II 2D Ex ib IIIC T135°C Db**

Date: 28.06.2018.

PB.18.TC.769/RS

**Ex-Agencija**Department of equipment certification  
Approved by:

Stipo Đerek, dipl.ing.el.



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**SCHEDULE**[14] **EU - TYPE EXAMINATION CERTIFICATE No.: EXA 14 ATEX 0005X**[15] **Description of product**

Heat fire detectors **TD-811Exi**, **TD-812Exi**, **TMD-811Exi**, **TMD-812Exi**, **TMD-812/75Exi** and **TMD-812/95Exi** are intrinsically safe devices without their own power source that in the event of fire respond to the threshold temperature or rise rate of temperature and cause increase of current in the channel of fire alarm system. Channel of the fire alarm system is powered by certified associated apparatus **SSU-24ExEi** (EXA 14ATEX0003), and fire detectors are connected in parallel to the channel of fire alarm system.

Detectors are designed for ceiling mounting and consist of two basic parts:

**Fire detector mounting base:**

**P-802Exi** - mounting base with two cable entries

**P-802/1Exi** - mounting base with one cable entry

**Fire detector head:**

**TD-811Exi** - heat fire detector which responds to rise rate of temperature and to overrun of temperature threshold of 57 °C

**TD-812Exi** - heat fire detector which responds to rise rate of temperature and to overrun of temperature threshold of 63 °C

**TMD-811Exi** - heat fire detector which responds to overrun of temperature threshold of 57 °C

**TMD-812Exi** - heat fire detector which responds to overrun of temperature threshold of 63 °C

**TMD-812/75Exi** - heat fire detector which responds to overrun of temperature threshold of 75 °C

**TMD-812/895Exi** - heat fire detector which responds to overrun of temperature threshold of 95 °C

**Intrinsically safe circuits:**

POWER SUPPLY/SIGNAL, leads (4,3) - (2,1):.....Power supply nominal voltage  $U_n = 12-30$  V DC

Only for connection to intrinsically safe circuit of certified associated apparatus manufactured by MAJUR, type: **SSU-24ExEi** (EXA 14ATEX0003).

Maximum internal capacitance

$C_i$  negligible

Maximum internal inductance

$L_i$  negligible

**Temperature class and ambient temperature:**

**T6: Tamb=** -20°C to + 65°C for detectors: **TD-811Exi**, **TD-812Exi**, **TMD-811Exi**, **TMD-812Exi**

**T4: Tamb=** -20°C to + 100°C for detectors: **TMD-812/75Exi** i **TMD-812/95Exi**

[16] **Confidential Report No. EXA 18CR037**[16.1] **Routine testing**

None



**[17] Specific Conditions of Use**

Appropriate method of installation, maintenance and operation, should prevent accumulation of static charge on the device.

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

Covered by the standards listed at item 9.

**[19] Drawings and Documents**

Title:	Drawing No.:	Rev.level:	Date:
Description and type of protection	T 0200/2	01/00	13.06.2018.
Sketch drawing of fire detector head	T 0202/2-GJ	02	01.04.2013.
Mechanical parts specification of fire detector head TD-81.Exi , TMD-81.Exi , TMD-812/75Exi, TMD-812/95Exi with mounting base P-802Exi	T 0203/2-S	02	01.04.2013.
Cross section of fire detector mounted on base	T 0204/2-PJ	02	01.04.2013.
Schematics: Fire detector head TD-81.Exi i TMD-81.Exi	T 0205/2-ES	02	01.04.2013.
Schematics: Fire detector head TMD-812/75Exi	T 0205/2-ES	02	01.04.2013.
Schematics: Fire detector head TMD-812/95Exi	T 0205/2-ES	02	01.04.2013.
Electrical components specification	T 0206/2-SE	02	01.04.2013.
Layout, assembly layout	T 0207/2-TP	02	01.04.2013.
Description of fire detector mounting base	T 0401/2-OR	02	01.04.2013.
Sketch drawing of fire detector mounting base P-802/1Exi i P-802Exi	T 0402/2-PJ	02	01.04.2013.
Mechanical parts specification of fire detector mounting base P-802/1Exi i P-802Exi	T 0403/2-PJ	02	01.04.2013.
Cross section of fire detector mounted on base	T 0404/2-PJ	02	01.04.2013.
Schematics: Fire detector mounting base P-802Exi i P-802/1Exi	T 0405/2-ES	02	01.04.2013.
Electrical components specification of fire mounting detector base P-802Exi i P-802/1Exi	T 0406/2-S	02	01.04.2013.
Layout, assembly layout of Fire detector mounting base P-802Exi i P-802/1Exi	T 0407/2-TP	02	01.04.2013.
Instructions for fire alarm system 800Exi	T-0709/2 -UK	00/00	26.06.2018.