

EU – TYPE EXAMINATION CERTIFICATE

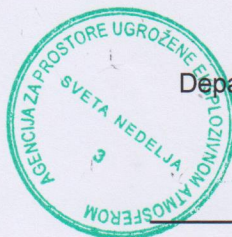
- [1]
- [2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.
- [3] EU-Type Examination Certificate Number: **EXA 14 ATEX 0016X** Issue: **2**
- [4] Product: **Optical smoke detector**
Type: **ODD-801 Exi**
- [5] Manufacturer: **MAJUR d.o.o.**
- [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 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.

[13]

SCHEDULE[14] **EU - TYPE EXAMINATION CERTIFICATE No.: EXA 14 ATEX 0016X**[15] **Description of product**

Optical smoke detector **ODD-801 Exi** is intrinsically safe device without their own power source that in the event of fire responds to the threshold smoke concentration 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:

Detector mounting base:

P-802Exi - mounting base with two cable entries

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

Detector head:

ODD-801 Exi - optical smoke detector

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 d.o.o., type: **SSU-24ExEi** (EXA 14ATEX0003).

Maximum internal capacitance

C_i negligible

Maximum internal inductance

L_i negligible

$T_{amb} = -20^{\circ}\text{C}$ to $+65^{\circ}\text{C}$

[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 0300/2	01/00	01.06.2018
Sketch drawing of fire detector head	T 0302/2-GJ	02	01.04.2013
Mechanical parts specification of optical smoke detector	T 0303/2-S	02	01.04.2013
Cross section of smoke detector head mounted on base	T 0304/2-PJ	02	01.04.2013
Schematics	T 0305/2-ES	02	01.04.2013
Electrical components specification	T 0306/2-SE	02	01.04.2013
Layout, assembly layout	T 0307/2-TP	02	01.04.2013
Description of smoke detector mounting base	T 0401/2-OR	02	01.04.2013
Sketch drawing of smoke detector mounting base	T 0402/2-PJ	02	01.04.2013
Mechanical parts specification of smoke detector mounting base	T 0403/2-PJ	02	01.04.2013
Schematics: Smoke detector mounting base	T 0405/2-ES	02	01.04.2013
Electrical components specification of smoke mounting detector base	T 0406/2-S	02	01.04.2013
Layout, assembly layout of smoke detector mounting base	T 0407/2-TP	02	01.04.2013
Instructions for fire alarm system 800Exi	T-0709/2 -UK	00/00	26.06.2018.