NOTIFIED BODY No. 1293

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

## No. 1293 – CPR – 0851 Rev.2

In compliance with *Regulation (EU) No 305/2011 of the European Parliament and of the Council of March 9th, 2011* (the Construction products Regulation or CPR), this certificate applies to the construction product

**Intelligent analogue addressable sounder with base and built-in isolator module SensoIRIS CSOU IS, Belinda CSOU IS, Erida CSOU IS, Marl CSOU IS, Smoke sense CSOU IS, Expera SSi**

For specifications see Annex No. 1 and No. 2 to this certificate

placed on the market under the name or trade mark of

**Teletek Electronics JSC**
**2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria**

and produced in the manufacturing plant

**Teletek Electronics JSC**
**2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

**EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006, EN 54-17:2005, EN 54-17:2005/AC:2007**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

**constancy of performance of the construction product.**

This certificate was first issued on July 19th, 2024 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

EVPÚ, a.s. NOVÁ DUBNICA Notified Body No 1293

Nová Dubnica, July 19th, 2024

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Head of CB NB No. 1293

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## Annex No. 1 to Certificate No. 1293 - CPR – 0851 Rev.2 from July 19th, 2024

**Technical specifications**

SensoIRIS CSOU IS (and derived varians Belinda CSOU IS, Erida CSOU IS, Marl CSOU IS, Smoke sense CSOU IS, Expera SSi) is an addressable sounder with base and built-in isolator module, compatible for mounting on all models standard bases for SensoIRIS devices. The sounder is designed for installing in addressable fire alarm systems which support operation via TTE communication protocol.

The sounder supports 32 different tone types at two sound levels. The tone type and sound level are programmed from the control panel.

The sounder is compatible for operation with SensoIRIS addressable detectors series:
T110 (IS), S130 (IS) and M140 (IS).

The sounder is compatible for mounting on the following bases:

1. SensoIRIS B124 - Standard low profile base for addressable detectors and sounders.
2. SensoIRIS B124-HP - Standard high profile base for addressable detectors and sounders.
3. SensoIRIS VAD RST* - Standard base with built-in red LED flash beacons.
4. SensoIRIS VAD WST* - Standard base with built-in white LED flash beacons.

* The base SensoIRIS VAD RST/WST is specially designed for use with SensoIRIS CSOU IS sounders, as expands their application in fire alarm installations providing additional lighting indication in case of fire alarm events.

**Products parameters (Part 1)**

| | |
|---|---|
| Operating voltage range | 16-32V DC |
| Maximal consumption at communication | 470 µA @ 27VDC |
| Maximal consumption: | |
| - main tone type 27, low volume level | 3mA@ 27VDC |
| -main tone type 27, high volume level | 10 mA @ 27 VDC |
| Power volume (main tone type 27) | |
| -low volume(up to 100 pcs sounders* to the loop) | ~81dB(A)±3dB@ 1m |
| -high volume (up to 30 pcs sounders* to the loop) | ~88dB(A)±3dB@ 1m |
| Power volume (other tone type) | |
| -low volume(up to 100 pcs sounders* to the loop) | ~81dB(A)±3dB@ 1m |
| -high volume (up to 30 pcs sounders* to the loop) | ~87dB(A)±3dB@ 1m |

Tone type specification

| | |
|---|---|
| Tone type 1 | 970 Hz |
| Tone type 2 | 800Hz/970Hz@2Hz |
| Tone type 3 | 800Hz - 970Hz@ 1Hz |
| Tone type 4 | 970Hz 1s OFF/1s ON |
| Tone type 5 | 970Hz 0,5s / 630 Hz, 0.5 s |
| Tone type 6 | 554 Hz, 0.1s /440 Hz, 0.4 s (AFNOR NF S 32 001) |
| Tone type 7 | 500 – 1200 Hz, 3.5s / 0.5s OFF (NEN 2575:2000) |
| Tone type 8 | 420 Hz 0.625s ON/0.625 OFF (Australia AS1670 Alert tone) |
| Tone type 9 | 500-1200Hz, 0.5s/0.5s OFF x 3/1.5s OFF (AS 1670 Evacuation) |
| Tone type 10 | 550 Hz /440 Hz@ 0.5 Hz |
| Tone type 11 | 970 Hz, 0.5s ON / 0.5s OFFx 3/1.5s OFF (ISO 8201) |
| Tone type 12 | 2850 Hz, 0.5s ON/ 0.5s OFF x 3/1.5s OFF (ISO8201) |
| Tone type 13 | 1200 Hz – 500 Hz @ 1 Hz (DIN 33 404) |
| Tone type 14 | 400 Hz |
| Tone type 15 | 550 Hz, 0.7 s / 1000 Hz, 0.33 s |
| Tone type 16 | 1500 Hz - 2700 Hz @ 3 Hz |
| Tone type 17 | 750 Hz |
| Tone type 18 | 2400 Hz |
| Tone type 19 | 660 Hz |
| Tone type 20 | 660 Hz 1.8 s ON / 1.8 s OFF |

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## Annex No. 2 to Certificate No. 1293 - CPR – 0851 Rev.2 from July 19th, 2024

**Products parameters (Part 2)**

| | |
|---|---|
| Tone type 21 | 660 Hz 0.15 s ON / 0.15 s OFF |
| Tone type 22 | 510 Hz 0.25 s / 610 Hz 0.25s |
| Tone type 23 | 800/1000 Hz 0.5s each (1 Hz) |
| Tone type 24 | 250 Hz – 1200 Hz @ 12 Hz |
| Tone type 25 | 500 Hz – 1200 Hz @ 0.33 Hz |
| Tone type 26 | 2400 Hz – 2900 Hz @ 9 Hz |
| Tone type 27 | 2400 Hz – 2900 Hz @ 3 Hz |
| Tone type 28 | 800 Hz – 970 Hz @ 100 Hz |
| Tone type 29 | 800 Hz – 970 Hz @ 9 Hz |
| Tone type 30 | 800 Hz – 970 Hz @ 3 Hz |
| Tone type 31 | 800 Hz 0.25s ON / 1 s OFF |
| Tone type 32 | 600 Hz – 1100 Hz, 2.6s / 0.4s OFF |
| Relative humidity resistance | (93±3)%@+40°C |
| Sounder type | A |
| Material | ABS |
| Dimensions | ϕ 105mm x 22mm |
| Weight | ~ 120 g |

| Essential characteristics | Harmonised technical specification | | Performance |
|---|---|---|---|
| | EN 54-3:2001<br>EN 54-3:2001/A1:2002<br>EN 54-3:2001/A2:2006 | EN 54-17:2005<br>EN 54-17:2005/<br>AC:2007 | |
| Performance under fire conditions | cl. 4.2, 4.3, 5.2, 5.3, C.3.1=N/A, C.3.2=N/A, C.5.1 to C.5.3=N/A | cl. 5.2 | Pass |
| Operational reliability | cl. 4.4 to 4.6, 5.4, C4=N/A | cl. 4 | Pass |
| Durability of operational reliability: temperature resistance | cl. 5.5, 5.6=N/A, 5.7 to 5.9 | cl. 5.4, 5.5 | Pass |
| Durability of operational reliability: humidity resistance | cl. 5.8, 5.9, 5.10=N/A | cl. 5.6, 5.7 | Pass |
| Durability of operational reliability: shock and vibration resistance | cl. 5.12 to 5.15 | cl. 5.9 to 5.12 | Pass |
| Durability of operational reliability: corrosion resistance | cl. 5.11 | cl. 5.8 | Pass |
| Durability of operational reliability: electrical stability | cl. 5.16 | cl. 5.3, 5.13 | Pass |
| Durability of operational reliability: resistance to ingress | cl. 5.17 | --- | Pass |

**History of certification**

| No. | Certificate No. | Description | Date of issue |
|---|---|---|---|
| 1 | 1293-CPR-0851 | Original certificate issued | December 2nd, 2022 |
| 2 | 1293-CPR-0851 Rev.1 | New location of the company | November 6th, 2023 |
| 3 | 1293-CPR-0851 Rev.2 | Editorial correction | July 19th, 2024 |

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Nová Dubnica, July 19th, 2024

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