



### NOTIFIED BODY No. 1293

# **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

### No. 1293 - CPR - 0850 Rev.2

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

### Intelligent analogue addressable sounder with base SensolRIS CSOU, Belinda CSOU, Erida CSOU, Marl CSOU, Smoke sense CSOU, MAGPRO-DBS1

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

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 19<sup>th</sup>, 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



Michal M i š i a k Head of CB NB No. 1293

Nová Dubnica, July 19th, 2024

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EVPÚ a.s., Trenčianska 19, SK 018 51 Nová Dubnica, Slovak Republic, <u>www.evpu.sk</u> Page 1 / 3 F COCV 7.7.12 Rev.1

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### Annex No. 1 to Certificate No. 1293 - CPR - 0850 Rev.2 from July 19th, 2024

#### **Technical specifications**

SensoIRIS CSOU (and derived variants Belinda CSOU, Erida CSOU, Marl CSOU, Smoke sense CSOU, MAGPRO -DBS1) is an addressable sounder with base, compatible for mounting on all models and standard bases for SensoIRIS devices. The sounder is designed for installing in addressable fire alarm systems which support operation via TTE communication protocol. The device is powered on from the panel and can be controlled via the 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 SensolRIS 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. SensolRIS 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.

Operating voltage range16-32V DCMaximal consumption at communication470 $\mu$ A @ 27VDCMaximal consumption-main tone type 27, high volume level3mA@ 27VDC-main tone type 27, high volume level10 mA @ 27 VDCPower volume (main tone type 27)-wo volume (up to 100 pcs sounders* to the loop)~81dB(A)±3dB@ 1m-high volume (up to 30 pcs sounders* to the loop)~81dB(A)±3dB@ 1m-high volume (up to 100 pcs sounders* to the loop)~81dB(A)±3dB@ 1mPower volume (other tone type)-wo volume (up to 30 pcs sounders* to the loop)~81dB(A)±3dB@ 1m-low volume (up to 30 pcs sounders* to the loop)~81dB(A)±3dB@ 1m-one type specification-wo volume (up to 30 pcs sounders* to the loop)~81dB(A)±3dB@ 1mTone type 1970 Hz-wo volume (up to 30 pcs sounders* to the loop)~87dB(A)±3dB@ 1mTone type 2800Hz - 970Hz@2Hz-wo volume (up to 30 pcs sounders* to the loop)~87dB(A)±3dB@ 1mTone type 3800Hz - 970Hz@2Hz-wo volume (up to 30 pcs sounders* to the loop)~87dB(A)±3dB@ 1mTone type 4970Hz 1s OFF/1s ON-wo volume (up to 30 pcs sounders* to the loop)-87dB(A)±3dB@ 1mTone type 5970Hz 0.5s / 630 Hz, 0.5sOFF (NEN 2575:2000)-wo volume (up to 30 pcs sounders* to the loop)-wo volume (up to 30 pcs sounders* to the loop)Tone type 6554 Hz, 0.1s /440 Hz, 0.4s (AFNOR NF S 32 001)-wo type 10-wo type 10-wo type 10Tone type 7500 - 1200Hz, 0.5s/0.5s OFF x 3/1.5s OFF (ISO 8201)-wo type 10-wo type 10-wo type 10Tone type 119	Products parameters (Pa	art 1)	
Maximal consumption $3mA@ 27VDC$ -main tone type 27, high volume level $3mA@ 27VDC$ -main tone type 27, high volume level $10 mA @ 27 VDC$ Power volume (main tone type 27) $10 mA @ 27 VDC$ -low volume (up to 100 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -high volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ Power volume (up to 100 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-81dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low volume (up to 30 pcs sounders* to the loop) $-87dB(A)\pm 3dB@ 1m$ -low type 4970Hz $5.55 (F16$	Operating voltage range		16-32V DC
- main tone type 27, low volume level $3mA@ 27VDC$ -main tone type 27, high volume level10 mA @ 27 VDCPower volume (main tone type 27)10 mA @ 27 VDC-low volume (up to 100 pcs sounders* to the loop)~81dB(A)±3dB@ 1m-high volume (up to 30 pcs sounders* to the loop)~81dB(A)±3dB@ 1mPower 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)~81dB(A)±3dB@ 1m-high volume (up to 30 pcs sounders* to the loop)~87dB(A)±3dB@ 1m-none type 1970 HzTone type 2800Hz/970Hz@2HzTone type 3800Hz - 970Hz@ 1HzTone type 4970Hz 1s OFF/1s ONTone type 5970Hz 0.5s / 630 Hz, 0.5 sTone type 6554 Hz, 0.1s /440 Hz, 0.4 s (AFNOR NF S 32 001)Tone type 7500 – 1200 Hz, 3.5s / 0.5s OFF (NEN 2575:2000)Tone type 8420 Hz 0.625s ON/0.625 OFF x 3/1.5s OFF (AS 1670 Evacuation)Tone type 9500-1200 Hz, 0.5s/0.5s OFF x 3/1.5s OFF (AS 1670 Evacuation)Tone type 10550 Hz /440 Hz@ 0.5 HzTone type 11970 Hz, 0.5s ON / 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 122850 Hz, 0.5s ON / 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 131200 Hz – 500 Hz @ 1 Hz (DIN 33 404)Tone type 14400 HzTone type 15550 Hz, 0.7 s / 1000 Hz, 0.33 sTone type 161500 Hz - 2700 Hz @ 3 HzTone type 17750 HzTone type 182400 HzTone type 19660 HzTone type 19	Maximal consumption at c	ommunication	470 µA @ 27VDC
-main tone type 27, high volume level10 mA @ 27 VDCPower volume (main tone type 27)-ow volume(up to 100 pcs sounders* to the loop) $\sim$ 81dB(A)±3dB@ 1m-logh volume (up to 30 pcs sounders* to the loop) $\sim$ 81dB(A)±3dB@ 1mPower volume (up to 100 pcs sounders* to the loop) $\sim$ 81dB(A)±3dB@ 1m-low volume(up to 100 pcs sounders* to the loop) $\sim$ 81dB(A)±3dB@ 1m-low volume (up to 30 pcs sounders* to the loop) $\sim$ 81dB(A)±3dB@ 1m-low volume (up to 30 pcs sounders* to the loop) $\sim$ 81dB(A)±3dB@ 1m-low type 1970 HzTone type 2800Hz/970Hz@2HzTone type 3800Hz - 970Hz@ 1HzTone type 4970Hz 1s OFF/1s ONTone type 5970Hz 0,5s / 630 Hz, 0.5 sTone type 6554 Hz, 0.1s /440 Hz, 0.4 s (AFNOR NF S 32 001)Tone type 7500 - 1200 Hz, 3.5s / 0.5s OFF (NEN 2575:2000)Tone type 8420 Hz 0.625s ON/0.625 OFF (Australia AS1670 Alert tone)Tone type 9500-1200Hz, 0.5s/0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 10550 Hz /440 Hz@ 0.5 HzTone type 11970 Hz, 0.5s ON/ 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 122850 Hz, 0.7 s / 1000 Hz, 0.33 sTone type 131200 Hz - 500 Hz @ 1 HzTone type 14400 HzTone type 15550 Hz, 0.7 s / 1000 Hz, 0.33 sTone type 161500 Hz - 2700 Hz @ 3 HzTone type 17750 HzTone type 182400 HzTone type 19660 HzTone type 20660 Hz 1.8 s ON / 1.8 s OFFTone type 21660 Hz 0.15 s OFFTone type	Maximal consumption		
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-low volume (up to 100 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m Power volume (other tone type) -low volume (up to 100 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~87dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~87dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~87dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~87dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~87dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~87dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m -high volume (up to 30 pcs sounders* to the loop) ~81dB(A) $\pm$ 3dB@ 1m Tone type 1 970 Hz Tone type 5 970Hz 0,55 /630 Hz, 0.5 s OFF 100 type 10 550 Hz, 0,15 s OFF (A) 1,5 OFF (AS 1670 Evacuation) 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 OFF Tone type 21 660 Hz 0.15 s OFF Tone type 21 660 Hz 0.25 s / 610 Hz 0.25 s			10 mA @ 27 VDC
-high volume (up to 30 pcs sounders* to the loop) Power volume (other tone type)-88dB(Å)±3dB@ 1m-low volume (up to 100 pcs sounders* to the loop) -high volume (up to 30 pcs sounders* to the loop) Tone type specification~81dB(A)±3dB@ 1mTone type 1970 HzTone type 2800Hz/970Hz@2HzTone type 3800Hz - 970Hz@ 1HzTone type 4970Hz 1s OFF/1s ONTone type 5970Hz 0,5s / 630 Hz, 0.5 sTone type 6554 Hz, 0.1s /440 Hz, 0.4 s (AFNOR NF S 32 001)Tone type 7500 - 1200 Hz, 3.5s / 0.5s OFF (NEN 2575:2000)Tone type 8420 Hz 0.625s ON/0.625 OFF (Australia AS1670 Alert tone)Tone type 9500-1200Hz, 0.5s/0.5s OFF x 3/1.5s OFF (AS 1670 Evacuation)Tone type 10550 Hz /440 Hz@ 0.5 HzTone type 11970 Hz, 0.5s ON / 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 122850 Hz, 0.5s ON / 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 131200 Hz - 500 Hz @ 3 HzTone type 14400 HzTone type 15550 Hz, 0.7 s / 1000 Hz, 0.33 sTone type 161500 Hz - 2700 Hz @ 3 HzTone type 17750 HzTone type 182400 HzTone type 19660 HzTone type 20660 Hz 1.8 s ON / 1.8 s OFFTone type 21660 HzTone type 22510 Hz 0.25 s / 610 Hz 0.25s			
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Tone type specification970 HzTone type 1970 HzTone type 2 $800Hz/970Hz@2Hz$ Tone type 3 $800Hz - 970Hz@1Hz$ Tone type 4970Hz 1s OFF/1s ONTone type 5970Hz 0,5s / 630 Hz, 0.5 sTone 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 $500-1200$ Hz, 0.5s OFF x 3/1.5s OFF (AS 1670 Evacuation)Tone type 10 $550$ Hz /440 Hz@ 0.5 HzTone type 11970 Hz, 0.5s ON / 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 122850 Hz, 0.5s ON / 0.5s OFF x 3/1.5s OFF (ISO 8201)Tone type 131200 Hz - 500 Hz @ 1 Hz (DIN 33 404)Tone type 14400 HzTone type 15550 Hz, 0.7 s / 1000 Hz, 0.33 sTone type 161500 Hz - 2700 Hz @ 3 HzTone type 17750 HzTone type 182400 HzTone type 19660 HzTone type 20660 Hz 1.8 s ON / 1.8 s OFFTone type 21660 Hz 0.15 s OFFTone type 22510 Hz 0.25 s / 610 Hz 0.25s			~81dB(A)±3dB@ 1m
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Tone type 23 800/1000 Hz 0.5s each (1 Hz)			
	Tone type 23	800/1000 Hz 0.5s each (1	Hz)

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Nová Dubnica, July 19th, 2024

EVPÚ a.s., Trenčianska 19, SK 018 51 Nová Dubnica, Slovak Republic, <u>www.evpu.sk</u> Page 2 / 3 F COCV 7.7.12 Rev.1

Michál M i š i a k Head of CB NB No. 1293

### Annex No. 2 to Certificate No. 1293 - CPR - 0850 Rev.2 from July 19th, 2024

#### Products parameters (Part 1)

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 800 Hz – 970 Hz @ 100 Hz 800 Hz – 970 Hz @ 100 Hz 800 Hz – 970 Hz @ 9 Hz 800 Hz – 970 Hz @ 3 Hz Tone type 28 Tone type 29 Tone type 30 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 Color Sounder type Material Dimensions Weight

(93±3)%@+40°C white A ABS ¢ 105mm x 22mm ~ 120 g

Essential characteritics	Harmonised technical specifications	Performance	
	EN 54-3:2001 EN 54-3:2001/A1:2002 EN 54-3:2001/A2:2006		
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	Pass	
Operational reliability	cl. 4.4 to 4.6, 5.4, C.4=N/A	Pass	
Durability of operational reliability: temperature resistance	cl. 5.5, 5.6=N/A, 5.7 to 5.9	Pass	
Durability of operational reliability: humidity resistance	cl. 5.8, 5.9, 5.10=N/A	Pass	
Durability of operational reliability: shock and vibration resistance	cl. 5.12 to 5.15	Pass	
Durability of operational reliability: corrosion resistance	cl. 5.11	Pass	
Durability of operational reliability: electrical stability	cl. 5.16	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-0850	Original certificate issued	December 2 <sup>nd</sup> , 2022
2	1293-CPR-0850 Rev.1	New location of the company	November 6th, 2023
3	1293-CPR-0850 Rev.2	Editorial correction	July 19 <sup>th</sup> , 2024



Michal M i š i a k Head of CB NB No. 1293

Nová Dubnica, July 19th, 2024

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