NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0890 Rev.1

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

Esmi Impresia Red VAD Wall Mounted Sounder FFS06741012
Esmi Impresia White VAD Wall Mounted Sounder FFS06741015

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

placed on the market under the name or trade mark of

Schneider Electric Buildings AB,
Mobilvägen 8, 223 62 Lund, Sweden

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,
EN 54-23:2010

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 April 1st, 2021 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, September 24th, 2024

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

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Annex No.1 to Certificate No. 1293 - CPR – 0890 Rev.1 from September 24th, 2024

General information

Esmi Impresia Red VAD Wall Mounted Sounder FFS06741012 (derived variant Esmi Impresia White VAD Wall Mounted Sounder FFS06741015) is an addressable wall mounted sounder and strobe with a built-in isolator module designed for installing in addressable fire alarm systems with Esmi ELC loop controller supporting Schneider Electric communication protocol.
The sounder is compatible with fire bases Esmi Impresia Standard Base (FFS06741018) and Esmi Impresia Standard Base High Profile (FFS06741028) for wall mounting.
Esmi Impresia Red VAD Wall Mounted Sounder FFS06741012 is also compatible with fire base Esmi Impresia Red IP65 Deep Base (FFS06741013) for wall mounting.
The sounder is designed for indoor and outdoor use.
The address setting is done by the panel, QR code or handheld addressing device.

Technical specification (Part 1)

Operating voltage	16 to 32 VDC (Nom. 27 VDC)
Nominal consumption (stand-by)	<500µA@27VDC
Maximal consumption (main tone type 27)	
- low volume level, sound only	<5mA
- low volume level, sound and strobe	<12mA
- high volume level, sound only	<16.5mA
- high volume level, sound and strobe	<22mA
Maximal consumption (other tone types)	
- low volume level, sound only	<4mA
- low volume level, sound and strobe	<11mA
- high volume level, sound only	<10mA
- high volume level, sound and strobe	<16.5mA
Consumption with activated isolator	<15mA
Power volume (main tone type 27)	
- low volume	~ 80dB (A) ± 6dB @ 1m
- high volume	~ 92dB (A) ± 5dB @ 1m
Power volume (other tone types)	
- low volume	75-85dB ± 3dB @ 1m
- high volume	80-95dB ± 3dB @ 1m
Number of tone types	32

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
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

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Annex No.2 to Certificate No. 1293 - CPR – 0890 Rev.1 from September 24th, 2024

Technical specification (Part 2)

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

Wire Gauge for terminals	2.5mm²
Operation temperature	-10°C ÷ +50°C
Relative humidity resistance	(93±3)% @ +40°C
Color	white / red transparent
Material	SAN
Dimensions (without base)	Φ 116 x 55 mm
Weight	~ 183g
Degree of protection	IP65*
Coverage volume	W-2.4-6
Supported communication protocol	Esmi ELC

* with Esmi Impresia Red IP65 Deep Base FFS06741013

Essential characteristics	Harmonised technical specification			Performance
	EN 54-3:2001 EN 54-3:2001/A1:2002 EN 54-3:2001/A2:2006	EN 54-23:2010	EN 54-17:2005 EN 54-17:2005/ 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. 4.3.1 to 4.3.7	cl. 5.2	Pass
Operational reliability	cl. 4.4 to 4.6, 5.4, C4=N/A	cl. 4.2.1 to 4.2.8	cl. 4	Pass
Durability of operational reliability and response delay: temperature resistance	cl. 5.5 to 5.9	cl. 4.4.1.1 to 4.4.1.3	cl. 5.4, 5.5	Pass
Durability of operational reliability: humidity resistance	cl. 5.8 to 5.10	cl. 4.4.2.1 to 4.4.2.3	cl. 5.6, 5.7	Pass
Durability of operational reliability: shock and vibration resistance	cl. 5.12 to 5.15	cl. 4.4.3.1 to 4.4.3.4	cl. 5.9 to 5.12	Pass
Durability of operational reliability: corrosion resistance	cl. 5.11	cl. 4.4.4	cl. 5.8	Pass
Durability of operational reliability: electrical stability	cl. 5.16	cl. 4.4.5	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-0784	Original certificate issued	April 1st, 2021
2	1293-CPR-0890	New company name and location New location of place of production	March 14th, 2024
3	1293-CPR-0890 Rev.1	Editorial correction	September 24th, 2024

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Nová Dubnica, September 24th, 2024

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