NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0894 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 Base Base Sounder Beacon FFS06741031

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

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 March 14th, 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 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 – 0894 Rev.1 from September 24th, 2024

General information

Esmi Impresia Base Base Sounder Beacon (FFS06741031) is an addressable sounder with strobe base and a built-in isolator module, compatible with all Esmi Impresia standard bases. The sounder is designed for installation in addressable fire alarm systems with ELC Loop Controllers, which communicate via the ELC communication protocol. The device is powered from the panel and can be controlled via the communication protocol. The device supports 32 different tone types at two sound levels. The tone type and sound level are programmed from the control panel.
The Esmi Impresia Base Base Sounder Beacon is compatible with Esmi Impresia detectors.
The sounder is compatible with the following bases:
1. Esmi Impresia Standard Base (FFS06741018) - Standard low profile base for addressable detectors and sounders.
2. Esmi Impresia Standard Base High Profile (FFS06741028) - Standard high profile base for addressable detectors and sounders.
The sounder is compatible with the following cover:
1. Esmi Impresia Plastic Lid (FFS06741023)

Technical specification (Part 1)

Operating Voltage Range	16 to 32 VDC
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
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
Tone type 23	800/1000 Hz 0.5s each (1 Hz)
Tone type 24	250 Hz – 1200 Hz @ 12 Hz

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Annex No.2 to Certificate No. 1293 - CPR – 0894 Rev.1 from September 24th, 2024

Technical specification (Part 2)

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	2.5mm^2
Placement	Indoors
Operating temperature	-10°C to +55°C
Relative humidity resistance	(93±3)%@+40°C
Frequency of the strobe flash	1 Hz
Sounder Type	A
Material	SAN / transparent
Dimensions	Φ 105 x 22 mm
Weight	~ 120g
Degree of protection (with mounted sounder)	IP21C
Supported communication protocol	Esmi ELC

* Esmi Impresia Base Base Sounder Beacon (FFS06741031)

Essential characteristics	Harmonised technical specification		Performance
	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	
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-0894	Original certificate issued	March 14th, 2024
2	1293-CPR-0894 Rev.1	Editorial correction	September 24th, 2024

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Nová Dubnica, September 24th, 2024

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