



EVPU[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0534

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

Fire alarm sounder ELKRON SD500LI

For specifications see Annex to this certificate

placed on the market under the name or trade mark of

URMET S.p.A.

Via Bologna 188/C, 10154 Torino, Italy

and produced in the manufacturing plant

FMA Elettronica Srl.

Via M. Colombo 34 int. 72 Castellanza (VA) 21053, Italy

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

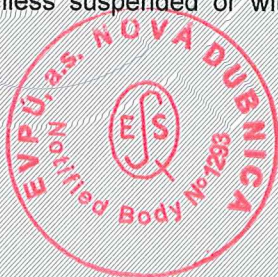
EN 54-17:2005

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 September 13 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



Nová Dubnica, September 13, 2016
053006

Marek Hudač
Director NB

Annex to Certificate No. 1293 - CPR – 0534 from September 13, 2016

Technical Specifications

SD500LI is a fire alarm addressable sounder base with optical indicator compatible with ELKRON FAP54 fire detection control panels. The base can be used in conjunction with a detector of the series 500 or alone using the provided cover cap. The base contains a short circuit isolator in order to preserve the detection circuit integrity and a bicolour red/green LED to show the operating status and the device address. Inside the base, there are 8 red LEDs that blink during the acoustic signalling. The addressable base is configurable by the control panel or using a set of micro-switches: it is possible to disable the optical signalling, set the volume and the tones.

In the addressable base the acoustic and optical synchronization with the other SD500LI bases installed on the same detection circuit is implemented.

The SD500LI base can also be used as a sounder base not connected to the detection circuit but power supplied and controlled by a fire alarm signalling circuit (siren output) of a fire detection control panel.

Products parameters:

Operating voltage	20Vdc (-15%, +10%) - modulated-detection circuit 24Vdc (-15%, +10%) - fire alarm signalling circuit
Power consumption in normal condition	250µA@20Vdc
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Environmental class	Type A – Internal use
Protection degree	IP21C
Dimensions	Ø114mm H51mm with cap H66+75mm with detector
Weight	170g
Operative temperature	-10+55°C ± 2°C
Relative humidity	93% ± 2% non condensing

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=N/A, C.5.2=N/A, C.5.3=N/A	cl. 5.2	Pass
Operational reliability	cl. 4.4, 4.5, 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, 5.8, 5.9	cl. 5.4, 5.5	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: humidity resistance	cl. 5.8, 5.9, 5.10=N/A	cl. 5.6, 5.7	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

Nová Dubnica, September 13, 2016

Marek Hudák
Director NO