



DECLARATION OF PERFORMANCE

No. 0051-CPR-1318

Unique identification code of the product-type:

Model/s: **ISB1020, ISB1050, IS1020, IS1050, IS2020xE, IS2050xE**

Intended use/es:

**Conventional sounder/beacon with voice function
for fire detection and fire alarm systems installed in buildings**

Manufacturer:

INIM ELECTRONICS S.R.L.
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System/s of AVCP:

System 1

Harmonized standard/s:

EN 54-3:2001 + A1:2002 + A2:2006
EN 54-23:2010

Notified Body/ies:

IMQ S.p.A., No. 0051

Declared performance/es:

Essential Characteristics	Performance	Harmonized technical specification	§	Note
Operational reliability				
Duration	PASS	EN 54-3:2001+A1:2002+A2:2006	4.4	
Construction	PASS		5.4	
Marking and data	PASS		4.5	
General testing	PASS		4.6	
Duration of operation	PASS	EN 54-23:2010	C.4	For voice models ISB1050, IS1050 and IS2050xE only
Provision for external conductors	PASS		4.2.1	
Flammability of materials	PASS		4.2.2	
Enclosure protection	PASS		4.2.3	
Access	PASS		4.2.4	
Manufacturer's adjustments	PASS		4.2.5	
On-site adjustment of behaviour	PASS		4.2.6	
Requirements for software controlled devices	PASS		4.2.7	
Requirements for software controlled devices	PASS		4.2.8	
Performance under fire conditions				
Sound level	PASS	EN 54-3:2001+A1:2002+A2:2006	4.2	For voice models ISB1050, IS1050 and IS2050xE only
Frequency and sound pattern	PASS		4.3	
Reproducibility	PASS		5.2	
Performance of operation	PASS		5.3	
Attention drawing signal and message broadcast sequences	PASS		C.3.1	
Synchronisation (option with requirements)	PASS		C.3.2	
Broadcast message performance	PASS		C.5.1	
Attention drawing signal/silence/message sequence timing	PASS		C.5.2	
Message synchronisation testing (option with requirements)	PASS		C.5.3	



Coverage volume	PASS	EN 54-23:2010	4.3.1	For models ISB1020, ISB1050, IS1020 and IS1050 you have: ▪ C-3-10 O-4-10 in High power configuration ▪ C-3-9 O-3.5-9 in Low power configuration For models IS2020xE and IS2050xE you have: ▪ W-3.5-10.2 O-3.5-10.5-10.0 in High power configuration ▪ W-2.8-7 O-2.8-7.5-7 in Low power configuration
Variation of light output	PASS		4.3.2	
Minimum and maximum light intensity	PASS		4.3.3	
Light colour	WHITE		4.3.4	
Light temporal pattern and frequency of flashing	PASS/0,5Hz		4.3.5	
Marking and data	PASS		4.3.6	
Synchronization (option with requirements)	PASS		4.3.7	
Durability of operational reliability: temperature resistance				
Dry heat (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.5 4.4.1.1	
Cold (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.7 4.4.1.3	
Durability of operational reliability: vibration resistance				
Shock (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.12 4.4.3.1	
Impact (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.13 4.4.3.2	
Vibration, sinusoidal (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.14 4.4.3.3	
Vibration, sinusoidal (endurance)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.15 4.4.3.4	
Durability of operational reliability: humidity resistance				
Damp heat, steady state (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.8 4.4.2.1	
Damp heat, steady state (endurance)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.9 4.4.2.2	
Durability of operational reliability: corrosion resistance				
Sulphur dioxide (SO ₂) corrosion (endurance)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.11 4.4.4	
Durability of operational reliability: electrical stability				
Electromagnetic compatibility (EMC), immunity tests (operational)	PASS PASS	EN 54-3:2001+A1:2002+A2:2006 EN 54-23:2010	5.16 4.4.5	
Durability of operational reliability: enclosure protection				
Enclosure protection	PASS	EN 54-3:2001+A1:2002+A2:2006	5.17	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Baldovino Ruggieri
(Managing Director)

At Montepreandone, on 23/04/2020