

# DECLARATION OF PERFORMANCE

## N° 2852-CPR-0163

1- Unique product-type identification code:

**LF24WU**

2- Intended uses:

**Fire detection and fire alarm System: Visual alarm device  
and sounder.  
Type A (Indoor use)**

3- Manufacturer:

**Synaps Technology S.r.l.**  
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4- VVCP systems:

**System 1**

5- Harmonized standards:

**EN 54-23:2010**  
**EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006**

Notified entity: Qualilab, N.B. No. 2852



6- Declared performances:

Essential characteristics	Applicable clause	Result	Harmonized standards
Durability	4.2.1	PASS	EN 54-23:2010
Provision for external conductors	4.2.2	PASS	
Materials	4.2.3	PASS	
IP ratings	4.2.4	PASS - IP21C	
Access	4.2.5	PASS	
Manufacturer's adjustment	4.2.6	PASS	
On-site adjustment of behaviour	4.2.7	NA	
Requirements for software controlled devices	4.2.8	PASS	
Coverage volume	4.3.1	PASS	
Variation of light output	4.3.2	PASS	
Min and Max effective luminous intensity	4.3.3	PASS	
Light colour	4.3.4	PASS	
Light temporal pattern and frequency of flashing	4.3.5	PASS	
Marking and data	4.3.6	PASS	
Synchronization	4.3.7	PASS	
Dry heat (operational)	4.4.1.1	PASS	
Dry heat (endurance)	4.4.1.2	NA	
Cold (operational)	4.4.1.3	PASS	
Damp heat, cyclic (operational)	4.4.2.1	PASS	
Damp heat, steady state (endurance)	4.4.2.2	PASS	
Damp heat, cyclic (endurance)	4.4.2.3	NA	
Shock	4.4.3.1	PASS	
Impact (operational)	4.4.3.2	PASS	
Sinusoidal Vibration (operational)	4.4.3.3	PASS	
Sinusoidal Vibration (endurance)	4.4.3.4	PASS	
Sulphur dioxide SO2 corrosion (endurance)	4.4.4	PASS	
EMC, immunity (operational)	4.4.5	PASS	



Essential characteristics	Applicable clause	Result	Harmonized standards
Performance parameters in fire condition	4.2, 4.3, 5.2, 5.3	PASS	EN 54-3:2001+A2:2006
Operational reliability	4.4, 4.5, 4.6, 5.4	PASS	
Duration of operational reliability: Resistance to temperature	5.5, 5.6, 5.7	PASS	
Duration of operational reliability: Resistance to humidity	5.8, 5.9, 5.10	PASS	
Duration of operational reliability: Corrosion resistance	5.11	PASS	
Duration of operational reliability: Shock and vibration resistance	5.12, 5.13, 5.14, 5.15	PASS	
Duration of operational reliability: Electrical stability	5.16	PASS	
Duration of operational reliability: Resistance to penetration	5.17	PASS	

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

Signed in the name and on behalf of the manufacturer  
 Massimo Defendi  
 Synaps technology Srl, Trieste -ITALY  
 Trieste, 01 October 2020

Signature:

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