



CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051-CPR-1884

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

SOUNDERS AND VISUAL ALARM DEVICE

Trademark: **Hyfire**
Model: **HFI-EBSB-23W-06; HFI-EBSB-23R-06;**
HFI-ABSB-23W-06; HFI-ABSB-23R-06

Other information: **see ANNEX**

Produced by:
STERLING SAFETY SYSTEMS Ltd
Unit B12a, Holly Farm Business Park, Honiley,
Warwickshire. CV8 1NP (UK)

In the manufacturing plant:
PI.Q0009R

This Certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

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

under system **1** are applied and that **the product fulfills all the prescribed requirements set out above.**

This certificate was first issued on 2019-11-11 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

ING. V. BAGGIO
CPR TECHNICAL DIRECTOR

Milan, 2019-11-11

This Certificate was issued by IMQ S.p.A., a Notified Body according to Regulation (EU) No. 305/2011.
IMQ S.p.A. Identification Number is: 0051.

ANNEX

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Configuration

Plastic enclosure internally fitted with the following main parts:

- main board type PCB-SBN01-00A
- piezo element KAILITECH, model KD-50B-29EW80
- Led white CREE , model XTEAWT-00-0000-00000BKE3, Cool White SMD High Power LED, 5000K, 115 deg angle, 350mA, 70CRI
- Led red CREE , model XPEBRD-L1-0000-00901, RED SMD High Power LED, 80.6lm, 130 deg angle, 350mA

Characteristic of models

- HFI-EBSB-23W-06: Slave base sounder beacon with Altair base (White led);
- HFI-EBSB-23R-06: Slave base sounder beacon with Altair base (Red led);
- HFI-ABSB-23W-06: intelligent Base sounder Beacon with Altair base (White led); Same PCB of model HFI-EBSB-23W-06. Only difference is software able to decode a dedicated serial protocol sent on the remote LED terminal.
- HFI-ABSB-23R-06: intelligent Base sounder Beacon with Altair base (Red led); Same PCB of model HFI-EBSB-23R-06. Only difference is software able to decode a dedicated serial protocol sent on the remote LED terminal

Technical Characteristics

- Tone patterns according to EN 54-3:
 - Warble Tone: 800 Hz for 500 ms then 1000 Hz for 500 ms;
 - Continuous tone: 970 Hz continuous;
 - Slow Whoop (NL): 500-1200 Hz for 3500 ms, then off for 500 ms;
 - German DIN tone: 1200-500Hz swept every 1000 ms (1Hz);
- Destination for use: Type A (for internal);

Coverage characteristics for:

- 1) HFI-EBSB-23W-06; HFI-ABSB-23W-06: C3 – 15.2 (high power) ; C3 – 9.2 (low power);
O 4.5 – 15.2
 - 2) HFI-EBSB-23R-06; HFI-ABSB-23R-06: C3 – 10 (high power) ; C3 – 1.7 – 6 (low power);
Flash rate: 0.5 Hz;
White Led; (HFI-EBSB-23W-06; HFI-ABSB-23W-06)
red Led ; (HFI-EBSB-23R-06; HFI-ABSB-23R-06)
Clear Lens.
- Main board : SBN01-00A;
 - Hardware Identifications: MSP430G2433IPW28.
 - Software version: 1.3.0