

BRE Global

UK Approved Body No. 0832

BRE Global Limited
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Certificate of UKCA approval constancy of performance 0832-UKCA-CPR-F1481

In compliance with the Construction Product Regulations 2020, UK Statutory Instruments 2020 No.1359 of Ministry of Housing, Communities and Local Government. This certificate applies to the construction product.

ARF-WL8-OV Wireless Optical Smoke Detector with Type A Built-In Voice Annunciator and VAD

(For full product details and conditions of use refer to appendix)

Placed on the market under the name or trademark of: and produced in the manufacturing plant(s):

ASI Oy Ltd
Laitaatsillantie 3
Savonlinna
57170
Finland

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Savonlinna
57170
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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 + A1:2002 + A2:2006 - Sounders
EN 54-7:2018 - Smoke detectors - Point detectors
EN 54-23:2010 - Visual alarm devices
EN 54-25:2008 - Components using radio links

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 18 August 2023 and will remain valid as long as neither the designated standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved product certification body.

Z Major, Technical Manager

On behalf of BRE Global Limited

Date of First Issue: 18 August 2023

Issue Date: 02 May 2024

Issue Number: 02

To check the validity of this certificate, please contact us on +44 (0)333 321 8811 or email enquiries@breglobal.com

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APPENDIX to Certificate of constancy of performance: 0832-UKCA-CPR-F1481**ARF-WL8-OV Wireless Optical Smoke Detector with Type A Built-In Voice Annunciator and VAD****Variants:**

EK-WL8-OV – (EKHO Brand)
KM-WL8-OV – (K-Mesh Brand)

Notes:

1. Meets the requirements of EN 54-3 for the following tones:

Default messages loaded by manufacturer are the following:

- a) Tone intermittent (925 Hz: 250 ms / 628 Hz: 250 ms, s01)
- b) Voice message 2 (A fire incident has been reported in the building. Please remain calm, leave the building immediately by the nearest exit.) synchronised, (sequence and timing:
Attention-drawing signal: 4.5 s / Silence: 1.5 s / Voice message: 8.25s / Silence: 1.75 s)
- c) Voice message 3 (A fire has been reported. Please stay where you are and await further instructions.) synchronised, (sequence and timing:
Attention-drawing signal: 2 s / Silence: 0.3 s / Voice message: 5.4 s / Silence: 0.3 s)

Additional approved tones for WL8-OV device are the following:

- d) Din tone (sweep 1200Hz to 500 Hz in 1s - WL8-OVR message 1, s45)
- e) Continuous (3500 Hz, s52)
- f) ISO8201 (3x500ms 2500 Hz pulsed, 1.5s silence)
- g) Voice message 4 (Fire! Fire! Please leave the building by the nearest exit)
- h) Voice message 5 (Fire! Fire! Please leave the building by the central exit)

2. Approved to EN54-7 at the following sensitivity settings:

- High
- Normal
- Low

3. The device must be used with the following batteries only:

- Primary – CR123A (3V)
- Secondary – CR123A (3V)


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4. The Ceiling mounted VAD meets the requirements of EN 54-23 for the following:

- Category rating C-3-7.5, O-4.4-7.5
- Synchronization
- Flash rate 0.5Hz
- White LED



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