

## EU Certificate of Conformity (in accordance with 93/68/EEC and EN ISO/IEC 17050-1: 2010) UKCA Declaration of Conformity (in accordance with UK Government)

We, Pyronix Ltd., located at the above address declare under our sole responsibility that the products, to which this declaration relates, meet the essential requirements and are in conformity with the relevant EU requirements and also with the relevant UK Statutory Instruments requirements and their amendments.

**Certificate number: PYR095 Issue 1**

**We accept all the responsibilities for the product mentioned below.**

**The Products Covered by this Declaration:**

Model Number	Product Name
361301850	SMOKE-WE2 Wireless smoke detector

**Mentioned model numbers above are under the coverage of these directives.**

**The EU Directives covered by this Declaration:**

**2014/53/EU** - Radio Equipment Directive (RED)

**Directive (EU) 2017/2102 amending 2011/65/EU AND 2015/863/EU** - EU RoHS restriction of the use of certain hazardous substances in electrical and electronic equipment

**305/2011 - Construction Products Regulations (CPR)** – see declaration of performance on the next pages as required by this Directive

**The UK Statutory Instruments covered by this Declaration:**

**2017 No. 1206 Radio Equipment Regulations 2017 (RED)**

**2012 No 2032 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (RoHS) and 2020 No. 1647 The Hazardous Substances and Packaging (Legislative Functions and Amendment) (EU Exit) Regulations 2020**

**2020 No. 1359 EXITING THE EUROPEAN UNION BUILDING AND BUILDINGS CONSTRUCTION MARKET STANDARDS**

**The Construction Products (Amendment etc.) (EU Exit) Regulations 2020**– see declaration of performance on the next pages as required

**The Basis on which Conformity is being declared:**

The products identified above comply with the requirements of the above EU Directives and UK Statutory Instrument by meeting the following standards:

**Article 3.1a – Safety:**

**EN 62368-1:2014+A11:2017** Audio/video, information and communication technology equipment. Safety requirements (risk assessment only)

**BS EN 62479:2010** Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

**Article 3.1b – Electromagnetic Compatibility:**

**EN 61000-6-3: 2007 + A1: 2011 EMC.** Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments.

**EN 50130-4: 2011 + A1: 2014** Alarm systems. Electromagnetic compatibility. Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems.

**ETSI EN 301 489-1:V2.2.3 (2019-11)** Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU – Clause 9.2 Radio frequency electromagnetic field (80 MHz to 6 000 MHz) only

**ETSI EN 301 489-3: V2.1.1 (2019-03)** Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.

**Article 3.2 – Radio Spectrum:**

**ETSI EN 300 220-2 V3.1.1 (2017-02)** Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non-specific radio equipment.

**Other**

**EN IEC 63000:2018** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

**Other Standards**

**EN 14604: 2005 + AC: 2008** Smoke alarm devices

**EN 50130-5: 2011** Alarm systems. Environmental test methods

**EN 50131-5-3: 2017** Alarm systems. Intrusion systems. Requirements for interconnections equipment using radio frequency techniques

The technical documentation supporting this declaration is available at the above address for inspection by the relevant enforcement authorities.

The UKCA and CE marks were first applied in 2021.

The products described above comply with the essential requirements of the directives and Statutory Instrument specified.

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Name Steven Fazey Signed Steven Fazey  
Authority Compliance Engineer Date 26<sup>th</sup> August 2021

### ATTENTION!

I hereby declare that the aforementioned products have been designed to comply with the relevant sections of the above referenced specifications. Pyronix Limited can only guarantee compliant operation when installed and operated according to the installation and user manuals that accompany the product(s).

Environmental class II



Results: -

Effective Radiated Power:

ETSI EN 300 220-1 V3.1.1 (2017-02) Clause 7.3.3 < 12dBm (Limit 14dBm/25mW)

Transient Power

ETSI EN 300 220-1 V3.1.1 (2017-02) Clause 7.5.3 > -42dBm (Limit -36dBm/0.0002mW)

Duty cycle does not exceed 1%

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### List of essential characteristics of construction product according to EN14604

According to Construction Products Regulation EU 305/ 2011

<b>European harmonized standard:</b>		<b>EN 14604:2005+AC:2008</b> Smoke alarm devices	
<b>Name of construction product:</b>		SMOKE-WE2	
<b>Declared intended use of product in accordance with harmonised standard*:</b>		This smoke detector for use in and installed in and around buildings (private residential premises only) suitable for BS 5839 part 6 grade F1 (suitable for installation in existing single-family dwellings of no more than two storeys with a tamper proof battery).	
No.	Essential characteristics of the product	Harmonised standard	NPD ND** <small>Scope of essential characteristics regarding intended use of product (place „+“ or „NPD“ or “NA”) **</small>
		EN 14604:2005 +AC:2008	
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>			
1	Smoke alarm signals	4.12	Passed
2	Inter-connectable smoke alarms	4.18	N/A
3	Repeatability	5.2	Passed
4	Directional dependence	5.3	Passed
5	Initial sensitivity	5.4	Passed
6	Air movement	5.5	Passed
7	Dazzling	5.6	Passed
8	Fire sensitivity	5.15	Passed
9	Sound output	5.17	85dB(A) at 3m
10	Sounder durability	5.18	Passed
11	Inter-connectable smoke alarms	5.19	N/A
12	Alarm silence facility	5.20	Yes - push button
<b>Operational reliability</b>			
13	Compliance	4.1	Passed
14	Individual alarm indicator	4.2	Yes - red LED
15	Mains-on indicator	4.3	N/A
16	Connection of external ancillary devices	4.4	N/A
17	Means of calibration	4.5	N/A
18	User replaceable components	4.6	RF Battery only
19	Normal power source	4.7	Battery
20	Standby power source	4.8	N/A
21	Electrical safety requirements	4.9	Passed
22	Routine test facility	4.10	Passed
23	Terminals for external conductors	4.11	N/A
24	Battery removal indication	4.13	Yes - label
25	Battery connections	4.14	Passed
26	Battery capacity	4.15	Passed
27	Protection against the ingress of foreign bodies	4.16	Passed
28	Additional requirements for software controlled smoke alarms	4.17	Passed
29	Marking and data	4.19	Passed
30	Impact	5.11	Passed
31	Battery fault warning	5.16	Yes - flashing LED
32	Battery reversal for RF	5.22	Passed
33	Back-up power source	5.23	N/A
34	Electrical safety – assessment and testing to determine the adequacy of personal protection against hazardous currents passing through the human body (electric shock), excessive temperature and the start and spread of fire	5.24	Passed
<b>Tolerance to supply voltage</b>			
35	Variation in supply voltage	5.21	N/A - battery only
<b>Durability of operational reliability, temperature resistance</b>			

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36	Dry heat (operational)	5.7	Passed
37	Cold (operational)	5.8	Passed
<b>Durability of operational reliability, vibration resistance</b>			
38	Vibration (operational)	5.12	Passed
39	Vibration (endurance)	5.13	Passed
<b>Durability of operational reliability, humidity resistance</b>			
40	Damp heat (operational)	5.9	Passed
<b>Durability of operational reliability, corrosion resistance</b>			
41	Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	5.10	Passed
<b>Durability of operational reliability, electrical stability</b>			
42	Electromagnetic compatibility (EMC), immunity (operational)	5.14	Passed

\* Define precise intended use or uses of construction product including requirements in place where producer intends to put product on market.

\*\* No Performance Determined  
Essential characteristics to be determined by CNBOP-PIB, should be marked with „+“, in other case place “NPD” (No Performance Determined).  
NOTE: For components to which the requirement does not apply, please indicate „NA” (not applicable).

Date  
26th August, 2021

**Steven Fazey**  
**Compliance Engineer**  
Legibly name, surname, signature

