

EU Declaration of Conformity

(in accordance with 93/68/EEC)

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.

Certificate number: PYR029 Issue 5

We accept all the responsibilities for the products mentioned below.

The Products Covered by this Declaration:

Model Number	Product Name
SMOKE-WE	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)

2011/65/EU & 2015/863 - 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 Basis on which Conformity is being declared:

The products identified above comply with the requirements of the above EU Directives by meeting the below standards through design and manufacturing processes.

We hereby declare that these standards are valid for the products mentioned above.

EN 14604: 2005 + AC: 2008 Smoke alarm devices

Article 3.1a – Safety:

EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2012 Information technology equipment. Safety. General requirements – risk assessment

Article 3.1b – Electromagnetic Compatibility:

EN 61000-6-3: 2007 + A1: 2011 EMC. Generic emission standard. Residential, commercial and light industry.

ETSI EN 301 489 -3 V1.6.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); 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

EN 50130-4:2011 + A1: 2014 Immunity requirements for components of fire, intruder and social alarm systems.

Article 3.2 – Radio Spectrum:

EN 50131-5-3: 2005 + A1: 2008 Alarm systems – Intrusion and hold-up systems – Part 5-3: Requirements for interconnections equipment using radio frequency techniques

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

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

The CE mark was first applied in 2013.

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

Name Steven Fazey Signed *Steven Fazey*

Authority Compliance Engineer Date 17th October 2019

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).

List of essential characteristics of construction product according to EN14604

According to Construction Products Regulation EU 305/ 2011

European harmonized standard:		EN 14604:2005+AC:2008 Smoke alarm devices	
Name of construction product:		SMOKE-WE	
Declared intended use of product in accordance with harmonised standard*:		Photo electric type smoke detector for use in and installed in and around buildings (private residential premises only) suitable for BS 5839 part 6 grade F2 (suitable for installation in existing single-family dwellings of no more than two storeys with a user replaceable battery).	
No.	Essential characteristics of the product	Harmonised standard	NPD ND** Scope of essential characteristics regarding intended use of product (place „+“ or „NPD“ or “NA”) **
		EN 14604:2005 +AC:2008	
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions			
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
Operational reliability			
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	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	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
Tolerance to supply voltage			
35	Variation in supply voltage	5.21	N/A - battery only
Durability of operational reliability, temperature resistance			
36	Dry heat (operational)	5.7	Passed
37	Cold (operational)	5.8	Passed
Durability of operational reliability, vibration resistance			
38	Vibration (operational)	5.12	Passed
39	Vibration (endurance)	5.13	Passed

	Durability of operational reliability, humidity resistance		
40	Damp heat (operational)	5.9	Passed
	Durability of operational reliability, corrosion resistance		
41	Sulphur dioxide (SO ₂) corrosion (endurance)	5.10	Passed
	Durability of operational reliability, electrical stability		
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).

17th October, 2019

Date

Steven Fazey

Steven Fazey
Compliance Engineer
Legibly name, surname, signature