

## EU Certificate of Conformity (in accordance with 93/68/EEC) 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: PYR100 Issue 1**

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

**The Products Covered by this Declaration:**

Model Number	Product Name
361301860	NANO/SHOCK-WE

**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** - EU RoHS restriction of the use of certain hazardous substances in electrical and electronic equipment and Commission Delegated **DIRECTIVE (EU) 2015/863**

**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)**

**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)

**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 V3.2.1 (2018-06)** 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 50131-1: 2006 + A3: 2020** Alarm systems – Intrusion and hold-up systems – Part 1: System requirements

**EN 50131-2-6: 2008** Alarm systems – Intrusion and hold-up systems – Part 2-6: Opening contacts (magnetic).

**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 mark was first applied in 2021.

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

Name	<u>Moh Tahir</u>	Signed	<u>Moh Tahir</u>
Authority	<u>Compliance Engineer</u>	Date	<u>10<sup>th</sup> October 2022</u>

**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).**

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Security Grade 2  
Environmental class II  
PD6662: 2017

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 -36bBm/0.0002mW)  
Duty cycle does not exceed 1%

