

EC DECLARATION OF CONFORMITY

Name and address: **ELMARK INDUSTRIES SC, Bulgaria**
2 Dobrudzha blvd. Dobrich, Bulgaria
Tel.: +35958/ 500-059

Product: **SMART HOME CONTROL- HIGH VOLTAGE CONTROLLER**

Model: S1-B: AC TRIAC RF DIMMER SWITCH
S1: AC TRIAC RF DIMMER

With the following we declare under our sole responsibility that above described product/s/, with a trade brand ELMARK is/are/ in conformity with the requirements of the following EC Council Directives:

- Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (EMC)
- Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (LVD Directive)
- Directive of the European Parliament and of the Council about the national legislation regarding the R&TTE Directive
- 2011/65/EU Directive of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The above mentioned product/s/ conform/s/ with the requirements of the following standards, which introduce harmonized european standards:

Standard: **EN 55015:2013/A1:2015**- Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61547:2009- Equipment for general lighting purposes - EMC immunity requirements
EN 61000-3-2:2014- Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3:2013 - Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 61347-1:2008/A1:2011- Lamp controlgear - Part 1: General and safety requirements
EN 61347-2-13:2014- Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
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)
EN 60950-1:2006- Information technology equipment - Safety - Part 1: General requirements
EN 300 328 V2.1.1:2016- Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
EN 301 489-1 V1.9.2:2011- Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
EN 62321-4:2014- Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS
EN 62321-5:2014- Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS
EN 62321-6:2015- Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)
EN 62321-7-1:2015- Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals by the colorimetric method

The last two figures of the year of marking: 17

Date:
25/03/2018
Dobrich

Signature:

Dipl.eng. Milen Vasilev
Executive Director