



UKCA Declaration of Conformity
(in accordance with ISO/IEC 17050-1 and ISO/IEC 17050-2)

This is to certify that the product listed below, which was designed and manufactured by:

Watlow Electric Manufacturing Company
1241 Bundy Blvd.
Winona, MN 55987 USA

meets the essential safety requirements of the following Statutory Guidelines, when properly installed, maintained and operated in the application for which it was designed. In addition, this is to certify that this product has also been designed and manufactured to ensure compliance with all applicable regulations.

A Technical Documentation File is also available for review by competent authorities and will be maintained for a period of ten years after the date on which the product was last manufactured. In addition to this Technical File, one can find design, safety, installation, maintenance, and application related information about this product in the documentation that was shipped with product or on www.watlow.com.

This declaration of conformity is issued under the sole responsibility of the manufacturer for the product listed below.

Product Name: Smartheat or “EHG”
Watlow Part Number: WCSH-(0120 or 0240)-(Any four letters or numbers)
Product Description: Incorporated Thermostat (In-line heater control), Installation Category II, Pollution degree 2, IP20, T_{min} 0 T_{max} 70°C, Type 1.Y output.
Rated Supply: 100 to 120 V~ (ac) or 200 to 240 V~ (ac), 50/60 Hz
Rated Power: 10 Amps maximum

We, as the manufacturer, hereby declare that the products described above are in conformity with the applicable requirements in accordance with the following **Statutory Guidance**:

Applicable regulations: **S.I. 2016 No. 1101** – Electrical Equipment (Safety) Regulations
S.I. 2016 No. 1091 – Electromagnetic Compatibility (EMC) Regulations
S.I. 2012 No. 3032 – Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous materials (RoHS).
S.I. 2018 No. 1214 – The Waste Electrical and Electronic Equipment Regulations Amendment. 2. (WEEE)

The object of the declarations described above is in conformity with the relevant harmonized standards:

Applicable Standards:

Safety: **EN 60730-1:2011** Automatic Electrical Controls, Part 1: General Requirements
EN 60730-2-9:2010 Particular Requirements for Temperature Sensing Controls

EMC: **EN 61326-1:2013** Electrical equipment for measurement, control and laboratory use – EMC requirements Industrial Immunity
EN 55011:2016/A1:2017/A11:2020 Emissions Industrial, Scientific, Medical equipment, Group 1 RF not intentionally generated Class A¹ Industrial Emissions.
IEC 61000-4-2:2008 Electrostatic discharge immunity

Any questions relating to this declaration or the conformity of the product(s) covered by this declaration should be directed, in writing, to either the European or Company Authorized Representative noted on this declaration.

EMC (Cont'd): **IEC 61000-4-3:2007** +A1/2008, A2/2010 Radiated, radio-frequency electromagnetic field immunity
10V/M 80–1000 MHz, 3 V/M 1.4–2.7 GHz
IEC 61000-4-4:2012 Electrical fast-transient / burst immunity
IEC 61000-4-5:2014 +A1/2017 Surge immunity
IEC 61000-4-6:2013 + Corrigendum 2015 Immunity to conducted disturbances induced by radio-frequency fields
IEC 61000-4-11:2020 Voltage dips, short interruptions and voltage variations immunity
EN 61000-3-2:2014 Limits for harmonic current emissions for equipment ≤ 16 Amps per phase
EN 61000-3-3²:2013 Voltage fluctuations and flicker ≤ 16 Amps per phase

WEEE: Electronic Equipment Assembly, Consult sales office or factory for information on proper recycling methods. Case plastics are Polycarbonate. Connectors Nylon.

Environmental: **EN IEC 63000³:2018-** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances (RoHS) 10 of 10 with exemptions below.

Industry Standard: **SEMI F47-0812E** Specification for semiconductor sag immunity Figure R1-1

Notes:

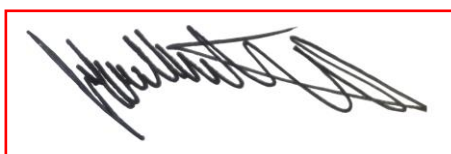
- 1) CAUTION: This equipment not intended for use in residential or commercial environments and may not provide adequate protection to radio reception in such environments without additional filtering.
- 2) Cycle time may need to be extended up to 120 seconds to meet flicker requirements depending on load current and type switched and source impedance. PM unit power compliant with flicker requirements.
- 3) RoHS compliance of some components used within product is via the following exemptions
 - 7 a) Lead in high melting point solders internal to components
 - 7 c) -i Lead in glass in ceramic internal to components
 - 8 b) Cadmium used in relay contacts.

European Authorized Representative: Mr. Martin Wallinger
Watlow Plasmatech GmbH
Brennhoflehen-Kellau 156
5431, Kuehl, Austria

Implementation Date: January 27th, 2023

Place of Issue: Winona, MN USA

Company Authorized Representative: Jeff Harrington



Director of Operations
Watlow Electric Manufacturing Company
1241 Bundy Blvd.
Winona, MN 55987 USA

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