EU 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

8010 NE Mauzy Ct,
Hillsboro, Oregon 97124 USA

meets the essential safety requirements of the European Union, 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 EMC directive.

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 it 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:	Temperature Controller
Watlow Part Number:	EHG3
Product Description:	Heater Temperature Control
Rated Voltage and Power:	100 to 240 Vac 50/60 Hz up to 3.5 Amps Load
Ratings:	Installation Category II, Pollution degree 2, IP3x
Ambient:	2 to 60°C operating up to 2000 meters altitude, 35 to 85% RH.

We, as the manufacturer, hereby declare that the product described above are in conformity with the applicable requirements in accordance with the following European Directives:

Applicable Directives:
2014/35/EU (Low Voltage Directive)
2014/30/EU (Electromagnetic Compatibility Directive)
2011/65/EU as amended by **EU 2015/863** (RoHS Directives)
2012/19/EU (WEEE Directive)

Applicable Standards:

Safety: **UL® File E185611 QUYX, QUYX7**
EN 61010-1:2010 + A1:2019 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
EN IEC 61010-2-201:2018 Part 2-201: Particular requirements for control equipment

EMC: **TÜV Rheinland® Test Report# CN25XGWV 001**
EN IEC 61326-1:2021 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
EN 55011:2016+ A1:2017/A1:2020 Electromagnetic compatibility (EMC) - Group 1 RF not intentionally generated, Class A[1] Industrial Emissions
IEC 61000-4-2:2008 Electrostatic discharge immunity, 4kV contact, 8 kV air.
IEC 61000-4-3:2007 +A1/2008, A2/2010 Radiated, radio-frequency electromagnetic field immunity 10V/M 80–1000 MHz, 3 V/M 1.4–6 GHz
IEC 61000-4-4:2012 Electrical fast-transient / burst immunity 2kV
IEC 61000-4-5:2014 +A1/2017 Surge immunity 1 kV L-L

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.): **IEC 61000-4-6:2013** + Corrigendum 2015 Immunity to conducted disturbances induced by radio-frequency fields 150 kHz to 80 MHz 3V
IEC 61000-4-8:2010 Magnetic field immunity 30A/m
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
EN 61000-3-3[2]:2013 Voltage fluctuations and flicker ≤ 16 Amps per phase (controls in panel)

WEEE: Electronic Equipment Assembly, Consult sales office or factory for information on proper recycling methods.

Environmental: EN IEC 63000[3]: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.

The object of the declarations described above is in conformity with the relevant Union harmonization legislation:

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) Depending on cycle time and load being switched, the unit may have issues with flicker. Maximum individual load per external controller is 3.5 Amps. Power panel with independent transformer source than facility lights or increase cycle time of load controller to enable to pass this requirement. Cycle time > 150 seconds may be needed.
3) Some of the components use exemptions internal to the devices for components. 6c, 7a, and 7ci are used within components.

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

CE Implementation Date: October 2025

Place of Issue: 1241 Bundy Blvd., Winona, MN 55987 USA

Company Authorized Representative: Jeff Harrington

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

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.