



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: Control Panel
Watlow Part Number: HMI or EMO or Hot N2 may be followed by additional numbers or letters.
HMI P/N's 2435-7381, 2439-2028, 2439-1978
EMO P/N's 2435-7397, 2439-2031, 2439-1986
Hot N2 P/N 2439-1993

Product Description: Controller Interface Power Distribution Panel.
Rated Voltage and Power: 200 to 240 Vac 50/60 Hz, 3P + PE power, 50 Amp maximum load. Or
230/400 Vac 3P 5 wire, 50 Amp maximum load.
Ratings: Installation Category III, Pollution degree 3, IP2x
Ambient: 5 to 40°C operating up to 1000 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)
2006/42/EC (Machinery Directive)
2014/30/EU (Electromagnetic Compatibility Directive)
2011/65/EU as amended by **EU 2015/863** (RoHS Directives)
2012/19/EU (WEEE Directive)
2006/66/EC as amended by **2013/56/EU** (Battery Directive)

Applicable Standards:

Safety and Machinery: **EN 60204-1:2018** Safety of machinery - Electrical equipment of machines - Part 1: General requirements

EMC: **EN 61000-6-2:2005** Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments

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.):** EN 61000-6-4:2007 + A1:2011 Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments Group 1 RF not intentionally generated, Class A¹ 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 1.4–2.7 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, 2 kV L-E
IEC 61000-4-6:2013 + Corrigendum 2015 Immunity to conducted disturbances induced by radio-frequency fields 10V
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 (controllers in panel)
EN 61000-3-12:2014 Limits for harmonic current emissions for equipment > 16 Amps ≤ 75 Amps per phase (loads hooked to panel).
EN 61000-3-3:2013 Voltage fluctuations and flicker ≤ 16 Amps per phase (controls in panel)
EN 61000-3-11²:2013 Voltage fluctuations and flicker > 16 Amps ≤ 75 Amps per phase (loads hooked to panel).
- Battery:** HMI model contains BR/CR 2032 lithium coin cell battery which shall be recycled at end of life. CPU in this model contains lithium cylinder cell soldered into internal.
- WEEE:** Electronic Equipment Assembly, Consult sales office or factory for information on proper recycling methods.
- 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.

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, but if units' cycle rate "sync" up at certain points this may be higher. Power panel with independent transformer source than facility lights or increase cycle times of each load controller to enable to pass this requirement. Cycle times > 150 seconds may be needed if multiple units cycling at exactly same time.
- 3) Some of the components use exemptions internal to the devices for components. 6a, 7a, and 7ci are used within components.

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

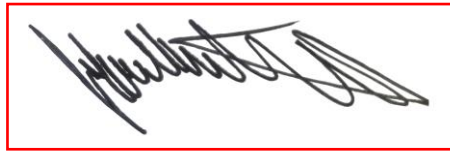
CE Implementation Date: November 20, 2025

Place of Issue: 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.

Company Authorized Representative:

Jeff Harrington



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

EMO Panel



HMI Panel



HOT N2 Panel



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