



European Union 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 requirement 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 all applicable directives.

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:** Series C, L or TM
- Watlow Part Number:** CF – (B, C, D, E, F or G)(1, 2, 3, 4, 5, 6 or 7)(any letter)(H or C) – (any four numbers or – and three numbers) – (AAAA) – may be followed by additional numbers or letters
 CV – (B, C, D, E, F or G)(1, 2, 5, 6, A, B, C or D)(any letter)(H or C) – (any four numbers or – and three numbers) – (any four numbers) – may be followed by additional numbers or letters
 TM – (B, D or F)(1, 2, 5 or 6)(any letter)(A) – (AAAA) – (AAAA) – may be followed by additional numbers or letters
 LF (C, E or G)(1, 2, 3, 4, 5, 6 or 7)(any letter)(U, W, Y or Z) (#### or -###) (AAAA) X
 LV (C, E or G)(1, 2, 5 or 6)(any letter)(U, W, Y or Z) (#### or -###) (####) X
 LSF4 (H, J, K or L) W (#### indicating Limit trip point) (### indicating hysteresis) XX
 Where X = Any number or letter, and # = Any number
- Product Description:** CF and CV = Temperature control, TM = Indicator
 Installation Front Panel IP20, certain model IP65
 Series LF, LV Temperature Regulator, Front panel IP20, IP65 optional, open board IP00
Series LS, Electronic Temperature Limiter with Protective Function Software Class B, Output Type 2.B.K IP10
 All – Installation Category II, Pollution Degree 2 Incorporated equipment
- Rated Supply:** Series CF, CV, LF, LV, TM, 24 V, 120 V or 230/240 V~ (ac) 50/60 Hz
 Series LS, 100 to 240 V~(ac) 50/60 Hz
- Rated Power:** 10 VA maximum

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

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

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

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.

Applicable Standards:

- Safety:** EN 61010-1:2010 +A1:2019 Safety Requirements of electrical equipment for measurement, control and laboratory use. Part 1: General requirements (CV, CF, LV, LF, TM units)
EN 60730-1:2011 Automatic electric controls for household and similar use – General Requirements
EN 60730-2-9:2010 Particular requirements for temperature sensing controls. (Series LS models)
- 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 B Residential, Commercial Emissions. (CV, CF, LV, LF, LS, TM units)
EN 60730-1:2011 Automatic electric controls – General Requirements
EN 60730-2-9:2010 Particular requirements for temperature sensing controls. (Series LS models)
IEC 61000-4-2:2008 Electrostatic discharge immunity
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 61000-3-3¹:2013 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 63000²:2018- 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) Cycle time may need to be extended up to 160 seconds to meet flicker requirements depending on load current and switching method and source impedance. Unit power supply passes requirements.
- 2) RoHS compliance of some components used within product is via the following exemptions
 - 6 c) Copper alloy containing up to 4 % lead by weight (terminals)
 - 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

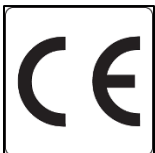
Any questions relating to this declaration or the conformity of the product(s) covered by this declaration should be directed, in writing, to either the European or Company Authorized Representative noted on this declaration.

Company Authorized Representative:

Jeff Harrington



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



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