



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:** ASPYRE® AT
- Product Description:** Electric Power Control, Utilization Categories AC-1, AC-5b, AC-6a Installation Category III, Pollution degree 2.
- Auxiliary Supply:** AUX power 24 Vdc + 10, -15%
- Rated Supply:** 100 to 480 Vac ± 10%¹
- Rated Power:** Auxiliary Power 4 Watts maximum
Load current 12, 24 or 48 Amps maximum, see derating curves.
- Environmental Rating:** IP20 with covers installed.

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 60947-1 2007:A1 2011, A2 2014 *Low Voltage Switchgear and Controlgear: Part 1 General Rules.*
EN 60947-4-3 2014 Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads
- EMC:** EN 60947-1 2007:A1 2011, A2 2014 *Low Voltage Switchgear and Controlgear: Part 1 General Rules.*
EN 60947-4-3 2014 Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads

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: EN 55011 2016:A1 2017, A11 2020² Group 1 RF not intentionally generated, Class B Residential, Commercial Radiated Emissions, Class A Industrial Conducted Emissions
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 immunity³
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 61000-3-2:2014⁴ Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3:2013⁴ 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

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

Environmental: EN IEC 63000⁵:2018- 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.

Notes:

- 1) SCCR rating of 100,000 Amps Type 2 protection when using Eaton DFJ or Special purpose FWP fuse up to 60 Amps, or Class J, CC, CF, T, fuse up to 30 amp rating. Type 1 protection if using Class J, CF, T fuse up to 60 amps or 10,000A rating with Eaton FAZ-NA circuit breaker at 240 Vac 30 Amps.
- 2) *CAUTION: This equipment not intended for use in residential environments and may not provide adequate protection to radio reception in such environments. For use in Class B environments, additional filtering on power lines required. For use with Phase Angle control, additional filtering required to pass Class A conducted Emissions.*
- 3) AUX tested on primary side of Lambda DSP series 24 Vdc power supply.
- 4) Harmonics and Flicker for models ≤ 16 Amps only, above this and for industrial uses this is not applicable. Flicker requires extended cycle times to comply. Up to 175 second cycle time at 16 Amps.
- 5) 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 (SCR's)
 - 7 c) -i Lead in glass in ceramic internal to components

European Authorized Representative:

Mr. Martin Wallinger
 Watlow Plasmatech GmbH
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 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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