



CE Declaration of Conformity



1625 Sharp Point Drive
Fort Collins, Colorado 80525 USA

Thyristor Power Controller (SCR)
Thyro-A

Year of Issue:	2017
Applicable Directives:	<ul style="list-style-type: none"> • 2014/35/EU - Low Voltage Directive - Laws for electrical equipment within certain voltage limits • 2014/30/EU - EMC Directive - Laws relating to electromagnetic compatibility
Applicable Standards:	<ul style="list-style-type: none"> • EN 61000-6-2: 2005 Electromagnetic Compatibility – Generic Standards – Immunity for Industrial Environments • EN 61000-6-4: 2007 Generic standards - Emission standard for Industrial Environments +A1: 2011

NOTE:

1. The EMC and Safety compliance described is only for the equipment listed in this declaration. When this equipment is installed in a system, the end-user is responsible to ensure both the EMC and Safety compliance of the overall system.
2. This equipment must be installed and used in accordance with all the “conditions of use” described in the user Manual.
3. Do not modify or expand this equipment without official permission and direction of Advanced Energy Industries Inc.
4. Failure to follow any of these requirements makes this declaration invalid.

Declared Model Numbers:

I	II	III	IV	V	VI	VII	VIII	IX
Thyro-A	1A	xxx-	yyy	HF	RL	1 / 3	Czz	aa
Thyro-A	2A	xxx-	yyy	HF	RL	1 / 3	Czz	aa
Thyro-A	3A	xxx-	yyy	HF	RL	1 / 3	Czz	aa

- I. Basic type designation
- II. Number of switched phases
- III. Voltage (V): 48, 230, 400, 500 or 600
- IV. Current (A): 2, 4, 8, 10, 16, 30, 45, 60, 100, 130, 170, 280, 350, 495, 650, 1000, 1400 or 1500 (VII=1)
Current (A): 2, 4, 8, 10, 16, 30, 45, 60, 100, 130, 170, 280, 350, 495, 650, 1000, 1400 or 1500 (VII=3)
- V. Manufacturer’s Identification: F (fan cooled), H (fuse provided), HF or blank
- VI. Manufacturer’s Identification: R (relay contact), L (current transformer), RL or blank
- VII. Manufacturer’s Identification: P (power control) or blank and 1 or 3
- VIII. Manufacturer’s Identification (optional): Indicates customer option, zz can be 01-99
- IX. Manufacturer’s Identification (optional): Indicates special version, ET or GV



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Supplementary Information:

The products listed are certified to the following safety standards and carry the UL mark accordingly:

- CAN/CSA-C22.2 No.14:2013 Safety requirements for Industrial Control Equipment (up to 350A)
- UL 508:17th Ed. :2013 Safety requirements for Industrial Control Equipment (up to 350A)

The products listed are tested to and comply with the following:

- IEC 60146-1-1 4th Ed.:2009 Semiconductor converters – General requirements and line commutated converters – Part 1-1: Specification of basic requirements

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Advanced Energy Industries, Inc.

May 31, 2018
Date

Note: To verify the validity and relevance of this document to AE products, contact the Advanced Energy Industries, Inc.