Certificate of Compliance

Certificate: 1887674 **Master Contract:** 163661

Project: 2668716 **Date Issued:** October 24, 2013

Issued to: **Astec International Ltd-Philippine Branch**
3rd and 4th Floor, Techno Plaza One Bldg,
#18 Orchard Road, Quezon City Cyberpark,
Bagumbayan, 1110
PHILIPPINES

Attention: Mr. PeterPaul Dychitan

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: Matthew Leong

PRODUCTS

CLASS 5311 36 - POWER SUPPLIES - Component Acceptance.
CLASS 5311 96 - POWER SUPPLIES - Component Acceptance - Certified to US Standards.

DC-DC Component power supply for use with Information Technology or Electrical Equipment for Laboratory use where the suitability of the combination is to be determined.

Model 73-610-096 or 73-310-112, rated input: 6.1A / 24Vdc, +/- 20% or 14.8A/ 12Vdc, -4% +5%; output rated: +12V/ 8A, 5.1V/ 2A, +3.4V/ 2A (for 24Vdc, +/-20% Vdc Input) or +12V/ 13A, 5.1V/ 2A, +3.4V/ 2A (for 12Vdc, -4% +5% Vdc Input); Alarm contacts rated 30Vdc, 2A. Output derated for 70 deg C, Class III, Installation Category I, Pollution Degree 2; IPX0; extended environment –40 to 70 deg C.

Model 73-610-115, rated input: 6.1A / 24Vdc, +/- 20%; output rated: +12V/ 8A, 5.1V/ 2A, +3.4V/ 2A, Alarm contacts rated 30Vdc, 2A. Output derated for 70 deg C, Class III, Installation Category I, Pollution Degree 2; IPX0; extended environment –40 to 70 deg C.

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APPLICABLE REQUIREMENTS

CAN/CSA- C22.2 No. 0-M91	-	General Requirements - Canadian Electrical Code, Part II.
CAN/CSA- C22.2 No. 0.4-04	-	Bonding of Electrical Equipment.
CAN/ CSA- C22.2 No. 60950-1-07	-	Information Technology Equipment – Safety Part 1: General Requirements.
ANSI/ UL 60950-1(2nd Edition)	-	Information Technology Equipment – Safety Part 1: General Requirements.
CAN/CSA-C22.2 No. 61010-1-04	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements.
ANSI/UL Std. No. 61010-1(2nd Edition)	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements.

CONDITIONS OF ACCEPTABILITY

1. Component recognition were the suitability of use is to be determined in the end use application.

2. The following electrical ratings are marked on the label for the “Alarm Relay Contact Rating” Rating 30Vdc, 2A OR 250Vac, 2A. Due to spacing requirements: The alarm relay contacts are ONLY suitable for 30Vdc/2A applications and NOT for 250Vac/2A applications.

3. This Test/Certification Reports does not cover the rating of 250Vac/2A for the alarm relay contacts.

4. Maximum recommended ambient (Tmra): 60°C, refer below for other conditions. Output current for +12Vdc is derated to 6A and 10A for +24Vdc (+/-20%) input and +12Vdc (-4%, +5%) input respectively at a maximum ambient of 70°C. Maximum combined output power for 5.1Vdc and 3.4Vdc is 10.2 watts.

5. Exposure to extreme temperatures, excessive dust, moisture or vibration; to flammable gases; to corrosive or explosive atmospheres: This equipment is intended to operate in a "normal" environment (Offices and homes).

Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2668716	October 24, 2013	To cover alternate constructions.
2295366	June 7, 2010	To Report to include additional model 73-610-115 and modified list of critical components.
2204188	July 29, 2009	To cover alternate Model number 73-610-112.
1997841	January 30, 2008	To cover alternate Fuse F1 and Relay RLY1.
1887674	April 11, 2007	Original Certification.