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Certificate of Conformity

Certificate num.	Registration date	V	ersion	Valid until	
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Product designation

Pertronic, AUX24 series, non-integrated power supply equipment

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Pertronic Industries Pty Limited

Unit B2, Hallmarc Business Park, 2A Westall Road, SPRINGVALE, VIC, AUSTRALIA, 3171

Registrant

Pertronic Industries Pty Limited

Unit B2, Hallmarc Business Park, 2A Westall Road, SPRINGVALE, VIC, AUSTRALIA, 3171

Producer

Pertronic Industries Limited

17 Eastern Hutt Road, WINGATE, LOWER HUTT, NEW ZEALAND, 5019

Conformance criteria and evaluation

The Pertronic, AUX24 series, non-integrated power supply equipment has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.4:2018, 'Fire detection and alarm systems - Part 4: Power supply equipment (ISO 7240-4:2017, MOD)'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Producer's description

The Pertronic, AUX24 series, non-integrated power supply equipment is a combined power supply and battery charger providing 28Vdc with seamless switching between battery and mains power.

The Pertronic, AUX24 series, non-integrated power supply equipment is available in standard Pertronic battery enclosures as the AUX24/5PSU-7240, AUX24/11PSU-7240 and AUX24/22PSU-7240. These products offer LED status indication and fault relay output. Non-integrated PSE's provide power to peripheral units or to a CIE in a compliant manner by abutting the cabinets.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices .and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kai Loh

Executive Officer - ActivFire Scheme





Schedule to

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Technical specification

The following details are a representative extract of the technical specification for the Pertronic, AUX24 series, non-integrated power supply equipment and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		
Type	Ident.	Description
Model num.	AUX24/5PSUV2-7240	Non-integrated 5 A PSE with Delta power supply unit.
	AUX24/11PSUV2-7240	Non-integrated 11 A PSE with Meanwell power supply unit.
	AUX24/22PSUV2-7240	Non-integrated 22 A PSF with Meanwell power supply unit.

Schedule of mandatory functions and optional functions with requirements

The following schedule of AS 7240.4:2018 optional functions with requirements have been validated

Opt		
1.	Impact (operational) (Cl. 6.8)	Provided
2.	Vibration, sinusoidal (operational) (Cl. 6.9)	Provided
3.	Vibration, sinusoidal (endurance) (Cl. 6.12)	Provided
4.	Dry heat steady state (operational) (Cl 6.13)	Provided

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Parameter	AUX24/5PSUV2-7240	AUX24/11PSUV2-7240	AUX24/22PSUV2-7240
Input	85-264 Vac, 50-60 Hz, 176 VA	85-264 Vac, 50-60 Hz, 350 VA	85-264 Vac, 50-60 Hz, 680 VA
Output	27.5 V +0.5 V/-1.0V, 176 W	27.5 V +0.5 V/-1.0V, 350 W	27.5 V +0.5 V/-1.0V, 680 W
Quiescent current	15 mA	15 mA	15 mA
Maximum load	4.5 A @ 27.5 Vdc (Charge current <225 mA), 124 W (P _b)	10.5 A @ 27.5 Vdc (Charge current <225 mA), 290 W (P _b)	21.5 A @ 27.5 Vdc (Charge current <225 mA), 590 W (P _b)
	2.7 A @ 27.5 Vdc (Charge current 2.1 A), 75 W (P _a)	8.25 A @ 27.5 Vdc (Charge current 2.1 A), 225 W (P _a)	15.5 A @ 27.5 Vdc (Charge current 5.2 A), 425 W (P _a)
Battery charging output	27.4 V @ 20 °C	27.4 V @ 20 °C	27.4 V @ 20 °C
	2.1 A maximum current	2.1 A maximum current	5.2 A maximum current
Battery capacity	7 Ah to 42 Ah	7 Ah to 42 Ah	16 Ah to 100 Ah
Software version	V0.0.24	V0.0.24	V0.0.24

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference			Date issued		
Ident. type	Ident.	Title / description	(or date validated)	Source	
Report	CSBA0050/R1	Verification of conformity of the Pertronic, Power Supply Equipment series to the requirements of AS 7240.4:2018	2-Feb-2024	CSIRO, Fire Systems Laboratory	
Datasheet	0000-PSU- AS7240-V2-DS- AUS-20230207	PERTRONIC INDUSTRIES PTY LTD DATASHEET AS 7240.4 V2 Power Supplies AUX24/5PSU-7240, AUX24/11PSU-7240 24/5PSUV2-7240, 24/11PSUV2-7240, 24/PSUV2-7240 (PSU-AS7240-V2-DS-AUS.pdf)	7-Feb-2023	Pertronic Industries Pty Ltd, AU	