



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3865	8-Jan-2024	Number 1	Issue date 7-Feb-2024	30-Apr-2025

Page 1 of 2

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.

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	Page 2 of 2
afp - 3865	8-Jan-2024	Number 1	Issue date 7-Feb-2024	

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.

Type	Variant	
	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 PSE 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

Option	
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) 2.7 A @ 27.5 Vdc (Charge current 2.1 A), 75 W (P _a)	10.5 A @ 27.5 Vdc (Charge current <225 mA), 290 W (P _b) 8.25 A @ 27.5 Vdc (Charge current 2.1 A), 225 W (P _a)	21.5 A @ 27.5 Vdc (Charge current <225 mA), 590 W (P _b) 15.5 A @ 27.5 Vdc (Charge current 5.2 A), 425 W (P _a)
Battery charging output	27.4 V @ 20 °C 2.1 A maximum current	27.4 V @ 20 °C 2.1 A maximum current	27.4 V @ 20 °C 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		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
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