



AUSTRALIAN RAIL TRACK CORPORATION

STANDARDS & SYSTEMS

Engineering Standards and Documents

The following recommendation, together with attached supporting documentation, has been considered the Manager Standards on 11th April 2008.

Documents:

Ref No:	08-08-10-088 - Equipment Type Approval
Subject:	'Exelectronics' Emergency Changeover Contactor Panel (ECO)
Dated:	9 th April 2008.

Prepared By: Arthur Haberlin, Signalling Engineer

Endorsed by: Trevor Moore, Signalling Standards Engineer

Items Considered for Approval:

Manufacturer:	Exetronics Pty. Ltd..
Product:	Emergency Changeover Contactor Panels 120V.
Item Identification:	ECO 50A High Speed, ECO 100A High Speed, ECO 150A High Speed, ECO 200A High Speed, ECO 250A High Speed, ECO 500A High Speed and ECO 1000A High Speed.

The items in the form presented at the review date were approved for System & Equipment Approval to be used on all ARTC jurisdictions in accordance with the manufacturers published performance criteria and subject to the following.

Relevant ARTC Specifications:

Ref. No.	Title	Status	Date
SC 07 01	Signalling Power Systems	Issue 1 Revision 0	March '05
SPS 02	Environmental Conditions	Issue 1 Revision 2	May '05
SPS 05	Electrical & Electronic Components (Ratings & Construction Requirements)	Issue 1 Revision 3	May '05
SPS 24	Emergency Changeover Contactor	Issue 1 Revision 3	May '05

Specific Conditions of Approval:

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| <ul style="list-style-type: none">i. ECO panels with capacities of 250A, 500A and 1000A shall use bar type contactors from the same Telemechanique range as required by ARTC specification SPS 24 for lower currents.ii. For use in accordance with ARTC specification SDS 25 and standard typical circuits only.iii. Ongoing quality audits of the manufacturer's production and distribution systems to confirm procedures are adequate to maintain ARTC quality requirements shall be undertaken. |
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Certificate Issued to:

Exelectronics Pty. Ltd. 1A Coulson Street (Unit 8) Erskinville New South Wales 2043
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Any subsequent change to the design, materials or manufacturing process is not covered by this approval.

Approved for use in the ARTC.



John Furness
Manager Standards

A general condition of approval is that the supplier maintains a quality management system for these products of a standard acceptable to ARTC including a continuing register of all reported faults, fault investigations and rectifications for individual units. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to maintain their own AS 19011:2003 certification.

APPROVAL No: 08-08-10-088

Approval Date: 11th April 2008