HQ Acceptance Services
Engineering Directorate
40 Melton Street
London
NW1 2EE

IMPORTANT INFORMATION FOR USERS

From: Steven Rennolds

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Date: 1 Dec 2005

Product Acceptance Advice Note

This advice note provides appropriate background information and any specific action that may be required in accordance with the **attached certificate**. It will enable you to meet your obligations in meeting the requirements of the Company procedure RT/LS/P/029.

Certificate Ref.	Issue	Product
PA05/02466	1	650/230 V 12.5 KVA Constant Voltage Transformer with double insulated primary

Manufacturer		
Advance Electronics Ltd, Advance Park, Wrexham, Clywd, LL14 3YR		
Telephone: 01978-8200096	Fax:	Email:Nathan@aelgroup.co.uk

Background/ Reason for Issue
This certificate is for the acceptance of the above product on the WCRM Project, this follows successful trials of the equipment at Colwich.

Network Rail action
Deficiencies in performance affecting the accepted functionality of the product or safety integrity identified by users of the product shall be reported in writing to Network Rail, HQ Acceptance Services.

S Rennolds

Product Acceptance Specialist

Network Rail

HQ Acceptance Services
Network Rail
40 Melton Street
London. NW1 2EE

Certificate of Acceptance

Certificate No: PA05/02466 Issue: 1 Date:1 Dec 05
Effective date: 1 Dec 05

Product:	650/230 V 12.5 KVA Constant Voltage Transformer with double insulated primary
Manufacturer:	Advance Electronics Ltd Advance Park Wrexham Clywd, LL14 3YR

The product above is accepted for use on the Network Rail infrastructure within the defined scope of acceptance and any specific conditions in the certificate.

Scope of Acceptance: For use as a Constant Voltage Transformer, to provide a clean and stable voltage supply to an Uninterruptible Power Supply system, where applicable on the WCRM Project.

Specific Conditions:

See following pages for more detailed specific conditions of use and the product configuration.

Authorised by:

Kevin Lydford
Professional Head of Electrification & Plant, Engineering

Network Rail

Certificate of Acceptance

Certificate No: PA05/02466 Issue: 1 Date:1 Dec 05
Effective date: 1 Dec 05

SPECIFIC CONDITIONS (Manufacturer/Supplier)

- Any deficiency affecting the product quality, functionality and safety integrity shall be notified in writing within 48 hours (including corrective action undertaken or proposed) to Network Rail HQ Acceptance Services.
- Manufacturers/Suppliers are responsible for ensuring that they are in possession of the latest relevant standards and/or drawings, and for ensuring that their products are compliant.
- Any proposed change to the product configuration (to the actual product or its application) shall be put forward in writing to Network Rail, HQ Acceptance Services.

SPECIFIC CONDITIONS (User/Operators)

- Users are responsible for ensuring compliance with the following conditions. If a condition is not understood guidance must be sought from the Product Acceptance Specialist.
- All staff required to use the equipment shall be suitably trained and competent to do so.
- Safe Systems of Work shall be in place for **ALL** operational circumstances on Network rail infrastructure.
- Equipment shall be maintained in accordance with the manufacturer's recommendations.
- Equipment shall be repaired / serviced by the manufacturer or its nominated agent only.

SPECIFIC CONDITIONS (General)

- Operator and training manuals shall be made available to users of the equipment.
- Maintenance manuals and an appropriate level of training shall be provided for maintenance of the equipment.

COMMENTARY

This certificate is for the acceptance of the above product on the West Coast Route Modernisation Project this follows successful trials of the equipment at Colwich.

PRODUCT CONFIGURATION

Part No.	Description	PADS No.
AGT 12500/11	650/230 V 12.5 KVA Constant Voltage Transformer with double insulated primary	086/045833

Network Rail

Certificate of Acceptance

ASSESSED DOCUMENTATION

Reference	Title	Date and Applies to Cert. issue No.	
	12.5 KVA CVT Trial cert info. & memo	13.10.05	1
	12.5 KVA CVT Product Approval Colwich re-interlocking		
ID007	12 KVA CVT results	31.8.04	
	12 KVA CVT Drawings – Colwich: Re-Interlocking and Associate works Colwich SER Power distribution schematic – distribution option 2 with UPS.	24.8.04	
	Approval support – Colwich re-interlocking project supporting information for 12.5 KVA CVT Approval – Invensys Westinghouse rail systems		
	Advance – hb001 CVT Introduction the perfect sine wave outstanding spike and electrical noise protection		
	Advance – AGT Constant Voltage Transformers		
	Advance Scope wave forms sheet		

CERTIFICATE HISTORY

This certificate is the first issue, and supersedes the previous trial certificate.

Issue Number	Date	Issue History
1	1.12.05	First accepted for use.

Network Rail

Certificate of Acceptance

DISTRIBUTION

Manufacturer
Nathan Briggs
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Sponsor
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For PADS records

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