Technology Introduction Group
Network Rail
Floor 3, 40 Melton Street
London. NW1 2EE

Certificate of Acceptance

Certificate No:	PA05/02592	Issue: 4	Date: 01/02/2010
Effective date:	01/02/2010		Page 1 of 4

Product:	2-State Banner Repeater Signal in LED Form.
Manufacturer:	Unipart Rail – Dorman Wennington Road, Southport PR9 7TN

The product above is accepted for use on railway infrastructure for which Network Rail is the Duty Holder (as per the ROGS regulations) within the defined Scope of Acceptance and any specific conditions in the certificate. Where the product is to be used as part of infrastructure for which NR is not the duty holder (e.g. Leased station), this certificate may be taken as evidence that the product is compatible with NR infrastructure (within the Scope of Acceptance), however it shall not absolve the sponsor from complying with any product acceptance requirements of that duty holder before committing that product to use.

Failure to abide by the certificate requirements may lead to acceptance by Network Rail becoming invalid.

Scope of Acceptance

2-state Banner Repeater Signals accepted for use throughout Network Rail controlled infrastructure. May be operated from 110V ac or 120V dc (nominal) supplies.

Specific Conditions:

Refer to the pages which follow for the product configuration and detailed conditions of use.

Authorised by:

Eur. Ing. Steve Hailes MA, CEng, MIET, FIRSE
Professional Head, Signal & Telecommunications

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SPECIFIC CONDITIONS

MANUFACTURER

- Ensure that the latest relevant standards/ drawings are available and worked to, and that the product is compliant.
- Notify Network Rail Technology Introduction Group:
  - Within 48 hours, of any deficiencies affecting the product quality, functionality and safety integrity of the product (including corrective action undertaken or proposed).
  - Of any intended change to the accepted product. Changes include:
    a) a change to the product configuration (to the actual product or its application);
    b) a variation to or addition of manufacturing locations or processes; and
    c) a change in the name or ownership of the manufacturing company.
- Provide all documentation in the English (UK) language.
- Provide operating and maintenance manuals to purchasers/users of the product.
- Provide training manuals and an appropriate level of training to purchasers/users of the product.

USER CLAUSES

- The low power (300mA) version is the preferred option.
- Users of the product are responsible for ensuring compliance with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Technology Introduction Group.
- Users are responsible for ensuring that the product is fit for purpose and that the application of use complies with the scope of acceptance. Any product defect should be taken up immediately with the supplier. If the defect is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway this shall be reported in writing to Network Rail Technology Introduction Group.
- Anyone becoming aware of a change to the product configuration (to the actual product or its application) should inform Network Rail Technology Introduction Group in writing.
- All staff required to use the equipment shall be suitably trained and, where appropriate, qualified as competent to use it.
- Products shall be maintained in accordance with the manufacturer's recommendations.
- Products shall be repaired / serviced by the manufacturer or its nominated agent only.
- Where the product is to be used in areas where Network Rail is not the Duty Holder (e.g. Leased Stations), the sponsor shall obtain formal consent from the Duty Holder for the locality where the equipment is to be installed in compliance with Railway Group Standard GE/RT8270 to deploy that equipment on, or about, or as part of that party's on or about their infrastructure. The decision of that party is absolute, and cannot be overridden except through the escalation processes established in the ROGS regulations.

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PRODUCT CONFIGURATION

Part No.	Description	PADS No.
T/BANNER500P/1 S	Banner Repeater Signal in LED form, 500mA nominal, 110V ac / 120V dc.	086/001320
T/BANNER300P/1 S	Banner Repeater Signal in LED form, 300mA nominal, 110V ac / 120V dc.	086/001346

ASSESSED DOCUMENTATION

Reference	Title	Date and Applies to Cert. issue No.	
NR TE EST0040	Safety Case submission for Dorman Green Banner Repeater Signal in LED form.	Jan. '06	1
	Trial report from A. Denholm, Network Rail Area Signal Engineer	23/01/07	1
PA05/03629	Memo summarising acceptance justification. J. Walker	16/05/08	2
-	Proposal for Product Acceptance	29/04/08	2
1556	AC / DC operation test Certificate	06/04/09	3
-	Unipart Rail Dorman, LED Colour Light Signal – Independent Safety Assessment for Product Acceptance, Review of Type Test Reports for LED Colour Light Signal Component Changes.	22/07/09	4
PA05/03663	Photo Transistor	N/A	4
PA05/03664	Power transistor	N/A	4

CERTIFICATE HISTORY

Issue Number	Date	Issue History
1	05/03/07	First accepted for use.
2	29/05/08	New low power (300mA) version accepted for use.
3	06/04/09	Scope of acceptance increased to include operation from 120V dc (nominal) supplies in addition to 110V ac.
4	01/02/10	Re-issued to include the following component changes: • Photo Transistor (PA05/03663) • Power transistor (PA05/03664)

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DISTRIBUTION

Manufacturer

Clive Porter
Unipart Rail – Dorman
Wennington Road,
Southport
PR9 7TN
csp@dorman.co.uk

John Walker
Network Rail
john.walker@networkrail.co.uk

Project Manager

Jeremy Jackson
Project Engineering Manager [Asset]
Network Rail
Infrastructure Investment
jeremy.jackson@networkrail.co.uk

Simon Pears
Project Engineering Manager [Asset]
Network Rail
Infrastructure Investment
simon.pears@networkrail.co.uk

Orry King
Project Engineering Manager [Asset]
Network Rail
Infrastructure Investment
Orry.king@networkrail.co.uk

Jonathan Salisbury
Project Engineering Manager [Asset]
Network Rail
Infrastructure Investment
Jonathan.salisbury@networkrail.co.uk

Mick Turner
Senior Signalling Design Engineer
Signalling System Design
Mick.turner2@networkrail.co.uk

For PADS records

Faith Ajidahun
Acceptance Co-ordinator
Network Rail
Floor 3, 40 Melton Street
London
NW! 2EE
Faith.ajidahun@networkrail.co.uk

DHL Ltd,
Blackpole Trading Estate
Blackpole
Worcester
WR3 8SG
inventory@dhl.com

Mark Coley
Nigel Draper
Serco Raildata Ltd,
Mark.Coley@serco.com
nigel.draper@serco.com

For Information/briefing

Nigel Beecroft
(Programme Manager (Telecoms))
Network Rail
nigel.beecroft@networkrail.co.uk

Andrew Ridley (CMS Planning & Configuration Manager)
Competence and Training
Network Rail
Andrew.ridley@networkrail.co.uk