

Certificate of Acceptance

PA05/06703

Manufacturer:
Mors Smitt UK Ltd

Issue : 1
Valid From : 02-11-2016

RelayDoc - BR960 Signalling Relay Tester

Product Description

RelayDoc is a product designed to provide quick and controlled testing for BR930 signalling relays in accordance with their original BRB design specifications. RelayDoc tests up to 110V D.C. in standard configuration, which allows it to test contact resistance of SSI interface relays and standard 24V and 50V D.C. relays

Product Image

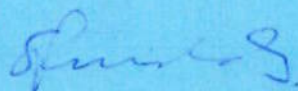


Scope of Acceptance

Full Acceptance

Accepted for controlled testing for BR930 signalling relays of upto 110V D.C in accordance with their original BRB design specifications.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.
Authorised by:



Steven Rennolds
Product Acceptance Specialist (Safety Technical & Engineering)



Jerry Morling BEng, MSc, CEng, MIET, MIRSE
Professional Head – Signalling and Telecommunications

Manufacturer:
Mors Smitt UK Limited

Issue : 1
Valid From : 02-11-2016

Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section. Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

- 1) All BR relay types which can be tested to be contained in the RelayDoc Manual
- 2) Network Rail to be advised of any Software and Hardware changes

User

- 1) Tester should be calibrated by Mors Smitt every 12 months
- 2) Software updates can be carried out by one of the following means:-
 - i. USB stick loaded with updates,
 - ii. When the RelayDoc is calibrated
 - iii. or via a 3G or 4G hotspot with a LAN connection

Product Configuration

System or Complete Assembly

Part No.	Description	Catalogue No.
TY373/GRP14	RelayDoc Tester inside Portable Protective Case	0087/032278

Hardware (Maintenance Spares and Line Replaceable Units)

Part No.	Description	Catalogue No.
TY373-300	Miniature barcode reader	0087/032279
TY373-250	Contact resistance "Test Reference Base"- low profile	0087/032280
TY373/GRP04	RelayDoc Tester	0087/032281

Software

Part No.	Description	Version No.
-	Software version	1.24
-	Hardware version	01.C.2

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
160804	EMC Compliance of the "RelayDoc" with EN 50121- 4: 2015 and the European EMC Directive (CE)	-	26/10/2016	1
4041063_808	RelayDoc Test Report	-	26/10/2016	1
RIA 054	Avoiding High Contact Resistance on BR 930 Series Signalling Relays	4	26/10/2016	1

Certificate of Acceptance

PA05/06703

Manufacturer:
Mors Smitt UK Limited

Issue : 1
Valid From : 02-11-2016

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
REP20206 – Iss1	Response to Livingstone Murungu's Product Acceptance Document 06703 for RelayDoc	1	26/10/2016	1
REP20181 – Iss 2	RelayDoc Product Approval Request Report	2	26/10/2016	1
Correspondence	E-mails from Paul Ashton		26/10/2016	1

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
UM-RelayDoc TY373-GRP04 V2 2016.07.01.002	RelayDoc – BR960 Signalling relay tester User Manual		26/10/2016	1

Certificate History

Issue	Date	Issue History
1		First accepted for use

Contact Details

Manufacturer

Mors Smitt UK Limited
Paul Ashton
pashton@wabtec.com

Applicant

Kevin Rayment
Reliability Process Manager
Kevin.Rayment@networkrail.co.uk

Lead Reviewing Engineer

Livingstone Murungu
Senior Engineer (CCS)
Livingstone.Murungu@networkrail.co.uk

Manufacturer:
Mors Smitt UK Limited

Issue : 1
Valid From : 02-11-2016

General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Acceptance Requirements and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement 2011, where the specification and/or Product Acceptance Certificates specify quality assurance classifications (QA1 to QA5) for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

Manufacturer:
Mors Smitt UK Limited

Issue : 1
Valid From : 02-11-2016

4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations

2) As required in Railway Group Standard GE/RT8270, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.

4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail Regulation) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.

2) Products may be purchased by Network Rail or its agents, suppliers or contractors.

3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.

