



AUSTRALIAN RAIL TRACK CORPORATION

Certificate No.: **S-02-10-107**

NEW EQUIPMENT & SYSTEM APPROVAL CERTIFICATE

Approval date: 11 October 2010

Approved by: ARTC Risk & Safety Committee

Report no.: TAS-02-10-107

Report date: 27 September 2010

This certificate is issued to:

Supplier: **Invensys Rail Pty Ltd**

In respect of:

Manufacturer: Invensys Rail Pty Ltd
179-185 Normanby Rd
South Melbourne
Victoria 3205

Product description: **LAMP PROVING RELAY**

Item identification: **QECX20**

Application: Lamp proving for signals

Relevant Standards:

- SPS 11 Light Signals;
- ESD-05-01 Signal Principles;
- SDS 25 Signals Circuit Design Standards

Conditions of Approval:

1. For use in accordance with ARTC signals construction standards and standard typical circuits only.
2. For use with IR RM4 series of LED signal units.
3. May be used with other manufacturers LED lamp units subject to confirmation of current thresholds.
4. Only components from the list may be utilised.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate.

Issue date: 1/12/2010

Expiry date: N/A

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Issued by:

John Furness
ARTC Manager Standards

NEW EQUIPMENT & SYSTEM APPROVAL - APPROVED ITEM LIST

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The following lists the individual items (by catalogue number) are approved for use on ARTC infrastructure under the above referenced New Equipment & System Approval Certificate number, subject to any conditions shown on that Certificate and the Conditions of Use shown against individual items.

| Catalogue /Part No. | Item Type | Description | Conditions of Use <i>(including Version number if applicable)</i> |
|----------------------------|--------------------|--------------------|---|
| B18513/27 | Lamp proving relay | QECX20 | For use with RM4 LED signals |
| M31538 | Plugboard | For QECX20 | |
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