



AUSTRALIAN RAIL TRACK CORPORATION

Certificate No.: **TAS-02-1208-IR 126**

NEW EQUIPMENT & SYSTEM APPROVAL CERTIFICATE

Approval date: September 2012
Approved by: T. Moore
Report no.: TAS 02-1208-IR126
Report date: 23rd August 2012

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: **INVENSYS 5518/12XRR92 LED SIGNAL**

Item identification: See approved item list for certificate TAS-02-1208-IR-126

Application: LED signals for Microlok interlocking

Relevant Standards: SPS11 Light Signals
SPS02 Environmental Conditions
ESC-04-01 Signal Sighting and Position
SCP 23 Design of Microlok II Interlockings

Conditions of Approval:

1. For use in accordance with ARTC signals construction standards and standard typical circuits only.
2. Not suitable for use in tunnels.
3. For use with Microlok interlockings only.
4. All 5518/12xrr92 LED light units shall be scheduled for routine replacement after 10 years in service.
5. Maintenance schedules for sites with these units installed shall include requirements to note the number of failed LEDs in each aspect and arrange for replacement when 60% failed (before failure alarm is activated).
6. Only components from the list in **Approved Item List** may be utilised.
7. All main signal heads at a site (included in the same circuit book), which use LED signal light units, shall use units from one supplier's range.
8. Selection of Medium, Intermediate or Long Range units to be in accordance with requirements detailed in ESC-04-01.

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.

Note/Comments: Nil

Issue date:

Expiry date:

Page: 1 of 2

Issued by:

John Furness - ARTC Manager Standards

NEW EQUIPMENT & SYSTEM APPROVAL - APPROVED ITEM LIST

Reference no.: TAS 02-1208-IR126
Date: 23rd August 2012
Product description: **INVENSYS 5518/12XRR92 LED SIGNAL**
Certificate no.: **TAS-02-1208-IR 126**

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 No.	Item Type	Description	Conditions of Use
5518/12GLR92	Main Line Signal	LED module green 200 mm	12 V DC Microlok
5518/12YLR92	Main Line Signal	LED module yellow 200 mm	12 V DC Microlok
5518/12RLR92	Main Line Signal	LED module red 200 mm	12 V DC Microlok
5518/12WLR92	Main Line Signal	LED module white 200 mm	12 V DC Microlok
5518/12GMR92	Main Line Signal	LED module green 200 mm	12 V DC Microlok
5518/12YMR92	Main Line Signal	LED module yellow 200 mm	12 V DC Microlok
5518/12RMR92	Main Line Signal	LED module red 200 mm	12 V DC Microlok
5518/12WMR92	Main Line Signal	LED module white 200 mm	12 V DC Microlok
5518/12GIR92	Main Line Signal	LED module green 200 mm	12 V DC Microlok
5518/12YIR92	Main Line Signal	LED module yellow 200 mm	12 V DC Microlok
5518/12RIR92	Main Line Signal	LED module red 200 mm	12 V DC Microlok
5518/12WIR92	Main Line Signal	LED module white 200 mm	12 V DC Microlok