



Intelligent Transport Systems

# Type Approval

**Certificate No:**

**ITS-TAN000053**

Issued to:

**Aldridge Traffic Systems Pty Ltd**

For:

<b>Illuminated Flashing Arrow Signs</b>			
<b>RMS Specification:</b>	<b>FAS/5</b>	<b>Version:</b>	<b>1.0</b>

Summary Scope:

**Model: Type – B Arrow board Single-Sided**

**Model Number: RA7001**

**Arrow Controller: RA7001 AC :**

**Type 1 – Rotary switch or Type 2 – Keypad switch**

**Software: V3.05**

Note: Conditions of approval are on the reverse side of this certificate.

<b>Evaluation Reference:</b>	<b>ITS-EV0113</b>	<b>Approver:</b>	<b>Manager TSI</b>
<b>Approver Signature:</b>	<i>Raj J Roychowdhry</i>	<b>Date:</b>	<b>05/11/2018</b>

**A) Description and itemisation of the equipment covered by the type approval:**

LED flashing arrow sign – type ‘B’ (models: single-sided RA7001), comprising:

- Black sign board with fifteen (small element) 100mm High Intensity LED lamps (LED Lamp PCB RA7117 with 100 LEDs) and visors on the front panel;
- LED lamp optical chamber ingress protection rating – IP65\*\*;
- Dimming control of LED lamps intensity using a photocell;
- Arrow controller (models: RA7001 AC with Type 1 – Rotary switch or Type 2 – Keypad switch);
- 12V input power capability with a fuse;
- Electric actuator for raising and lowering of sign board (12V model: TA2 series);

**B) Summary of deviations from specified requirements:**

Concession given for IP45 test report in lieu of extra two (2) years Warranty for water damage.

Note: \*\* LED lamp module tested to IP65 by Aldridge Photometric Laboratory, but are not accredited for this test and have issued an extra two (2) years Warranty for water damage.

**C) Relevant Specifications, Drawings and Standards:**

RMS Specification FAS/5 specifies that the traffic signal lanterns shall comply with all the requirements of AS 4192:2006, except as varied in FAS/5.

**D) Conditions of use:**

Certificate users shall verify with RMS whether this certificate is current, valid, and applies to the latest RMS specification version, when using in situations where current validity is required.

The Type B illuminated flashing arrow sign board is designed for use in Region A, Terrain Category 2 and a maximum viewing distance of 860m.

**E) Related Certification History:**

Certificate Number	Issued	EV Number	Description or change details
1102-FAS5-0-1B	16/02/2011		1102-FAS5-0-1B has been renewed and superseded by this certificate.