



Transport  
for NSW

Intelligent Transport Systems

# Type Approval

|                 |               |
|-----------------|---------------|
| Certificate No: | ITS-TAN000102 |
|-----------------|---------------|

Issued to:

**A1 Roadlines Pty Ltd**

For:

|                      |                                |          |     |
|----------------------|--------------------------------|----------|-----|
| Device Type          | Portable Traffic Light Signals |          |     |
| TfNSW Specification: | TSI-SP-049                     | Version: | 1.0 |

Summary Scope:

Model: **CS – 400**  
Software: **V 4.01.02**  
Operation: **Auto and Manual**  
Power: **Batteries with Solar Charging**

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

|                       |                          |          |             |
|-----------------------|--------------------------|----------|-------------|
| Evaluation Reference: | ITS-EV0206               | Approver | Manager TSI |
| Approver Signature:   | <i>Raj J Roychoudhry</i> | Date     | 16 Jan 2020 |

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

Portable Traffic Light System with two trailers, each trailer comprising:

- CS-400 Master or Slave Controller;
- Transceiver radio-link communication – (Maxon DM-0515);
- RMS type approved 200mm roundel LED traffic signal lantern;
- Eight 75AH 6V deep cycle batteries;
- Two 75W Solar cells;
- Plasmatronics Solar Charging Controller – PL20 (12 to 48V);
- AGD: Doppler Speed Radar – AGD200;
- Manual winch to raise/lower the lantern into its operational position;
- Wireless remote – TRH4.

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

Nil.

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

RMS Specification TSI-SP-049 specifies that the traffic signal lanterns shall comply with all the requirements of AS 4191:2015, except as varied in TSI-SP-049.

**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 CS-400 Multi-Way portable traffic light controller (NSW) is not to be used for 3-Way; 4-Way; or 2-Way Pedestrian control.

**E) Related Certification History:**

| Certificate Number | Issued    | EV Number | Description or change details  |
|--------------------|-----------|-----------|--|
| 0005-PTSAR1-0-1    | 9/03/2000 | n/a       | 0005-PTSAR1-0-1 has been renewed and superseded by this certificate. |
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