



Intelligent Transport Systems

# Type Approval

<b>Certificate No:</b>	<b>ITS-TAN000068</b>
------------------------	----------------------

Issued to:

Aldridge Traffic Controllers Pty Ltd

For:

ATSC4 Traffic Signal Controller Ground Mount Housing			
RMS Specification:	TSC/4	Version:	Amend 1 & 2

Summary Scope:

Traffic signal controller ground mount housing for accommodating an approved TSC/4 logic rack and providing facilities up to 32 signal group outputs, 32 vehicle detector termination and 16 or 32 external input configuration.

Evaluation Reference:	ITS-EV00098	Approver	Manager TSI
Approver Signature:	<i>Farzad Naziri</i>	Date	25/06/2018

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

Ground mount housing for a Traffic Signal Controller, containing the following key items:

- Site ID Card: TC400-60-0A
- Flasher Module: TC400-85-GB 240V, 50Hz, 10A
- Light Sensor Module: TC400-145-0A
- Master and Auxiliary Relays PR0320 400Vac 7A; Supply: 240Vac,
- Facility Switch PS2175 3Way, 240Vac, 1.9A
- Field Terminal Blocks TC416-2: A, B, C, D & E Blocks  
TC432-1: AA, BB, CC & DD Blocks
- Loop Termination Panel TC400-75-0D
- Field Terminal E-Block TC416-3-0A
- Line Isolation Unit TC400-10-0E
- ELV Transformer Vin: PT0608 50Hz; 240V - 28V@3A; 84VA
- Generator Chang-Over Facility TC400-130 240V, 50Hz, 15A-min
- Filter Capacitor Module TC400-15-0A, Capacitors: 2 x 10uF, 305V
- GPO PP0103 240V 10A, fitted RCD (30mA)
- F.C.O. Relays (Four) PR0325 5A@240Vac, 24Vdc Coil
- Mains Sub-Switch Board: PF0107 250V/ 50-60Hz, 30A@40C° (SAMIL NFM-230)
- EMI mains filter: PC0110 Vc:440V, Vp:1.8kV, In:15kA,  
Imax: 40kA (Merlin Gerin 16560)
- Surge Diverter MCB: C 32A; Lamps: C 20A; Flash: C 16A;  
Logic: B 6A; Det: B 6A & Aux: C 16A
- Circuit Breakers(10KA): PF0104 / PF0105 400Vac FC32A / 400Vac NS32A  
7 / 12Way; Brass, 16mm<sup>2</sup> Cable (Max.) / Way
- Fuse Holder / Fuse
- Neutral - L / Earth - L

## B) Summary of deviations from specified requirements

- Output voltage of Extra Low Voltage (ELV) Transformer is 28Vac instead of 32Vac;
- Outputs of Wait signal via XDY connector on EIM module are not provided through pedestrian yellow outputs. The termination module for XDY connector is positioned in the XDD location of the equipment panel.

## C) 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.

## D) Related Certification History.

Certificate #	Issued	EV#	Description or change details
1306-TSC4-1-1	17 June, 2013		Certificate superseded due to renewal
ITS-TAN000066	14 June, 2018		Certificate superseded due to text amendment