



Transport
for NSW

Intelligent Transport Systems

Type Approval

Certificate No:	ITS-TAN000131
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Issued to:

Aldridge Traffic Controllers Pty Ltd

For:

Device Type	Post Mounted Traffic Signal Controller		
TfNSW Specification:	TSI-SP-069	Version:	1.0

**Model: ATSC4 P-Type Traffic Signal Controller
(8 Signal Group)**

Evaluation Reference:	ITS-EV0276	Approver	Snr Manager Specifications and Evaluations
Approver Signature:	<i>Raj J Roychoudhry</i>	Date	18th April 2023

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

Dimensions (Typical): 1380mm(H-front) x 400mm(W) x 405mm(D) With a ramped roof to guide rainwater to follow toward the rear of the housing.

Major items and components contained in the controller’s housing:

- Site ID Unit: TC430-60
- Flasher Module:TC400-84
- Photo Transistor Module: TC400-145
- Master / Auxiliary Relays: PR0320 and PT0320
- Toroidal Transformer 240/30Vac (50VA) : PT0612
- Line Transient Protection Unit: TC430-10
- Facility Switch 3Ways: PS2175
- Field Terminal Block: TC496-2
- Loop Termination Panel (16 Channel): TC400-79
- Field Terminal E Block: TC496-1
- Flash Change-Over (FCO) Relays: PR0325
- Door Switch: PS6212
- TB Terminals 1-6: Auxiliary Supply (A, N, E); Detector/Modem Supply (A, N, E)
- Switch Board:
 - Filter Capacitor Module: TC400-15
 - Surge Diverter: PC0110
 - Fuse NS32A / Holder FC32A: PF0105 / PF0104
 - Main Circuit Breaker 32A 10KA: PC0104
 - EMI Mains Filter : PF0107
 - Circuit Breakers(10KA): Lamps10A, Flash10A, Logic6A, Detector6A, Auxilary10A
 - Earth Link 7Way, Neutral Links 7Way x 2: PL0328
- Earth Link – Housing: 7Way, PL0325
- General Purpose Outlet x 2 (with earth leakage protection): PP0103
- Generator Change Over Switch (Optional): TC400-130

B) Summary of deviations from specified requirements

The function of Dimming by Control Signal is not included in this model of ATC Low Voltage Post-mounted Traffic Signal Controller. The Housing Electrical Code of Encoder of the controller is defaulted for operation with Nominal Mains; Reduction of lamp supply voltage (Phase Control) for dimming.

C) Relevant Specifications, Drawings and Standards:

TfNSW Specification TSI-SP-069 “Control Equipment for Road Traffic Signals” (Issue 1.0), including the relevant Australian / International Standards and TfNSW Specifications/Drawings noted in the Section 3 and 4 of the Specification.

D) Conditions of use

Control operations of low voltage traffic signal lanterns (not including ELV type of traffic signal lanterns).

E) Related Certification History.

Certificate Number	Issued	EV Number	Description or change details