



Transport
for NSW

Intelligent Transport Systems

Type Approval

Certificate No:	ITS-TAN000136
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Issued to:

Aldridge Traffic Controllers Pty Ltd

For:

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

Summary Scope:

ATC ATSC4 Ground Mounted Traffic Signal Controller Housing with up to 32 Signal Group Outputs, typical 48 Loops and 8 Push Buttons Inputs.

Note: Approved items are described on the reverse side of this certificate

Evaluation Reference:	ITS-EV0266	Approver	Snr Manager Specifications and Evaluations
Approver Signature:	<i>Raj J Roychoudhry</i>	Date	8/9/2023

A) Description and itemisation of the equipment covered by the Type Approval

Typical overall dimensions of controller housing: 1585mm(H-front) x 805mm(W) x 425mm(D) With a ramped roof to guide rainwater to follow toward the rear of the housing.

Major items and components contained in the housing:

- Site ID Unit: TC430-60
- Flasher:TC400-84
- Photo Transistor Module: TC400-145
- Master / Auxiliary Relays: PR0320 / PT0320
- Extra Low Voltage Transformer 240Vac - 28Vac 3A 84VA: PT0610
- LTPU (Line Transient Protection Unit): TC430-10
- Facility Switch 3 Way: PS2175
- Door Switch: PS6212
- Field Terminal Blocks(4 Signal Groups) A - D: TC416-2(with DBW terminal); AA-DD:TC432-1
- Flash Change Over(FCO) Relay Coil: PR0325; Base: PR0326
- E Terminal Block: TC416-1
- Dim-By-Wire Generator: TC435-15
- Loop Termination Assembly
 - Termination Panels(Typical) 1-16Ch:TC400-79;17-32Ch:TC400-179; 33-48Ch:TC400-389
 - Earth Link 7 Way: PL0325
- Switch Board:
 - Main Circuit Breaker 32A 10KA: PC0104
 - Circuit Breakers(10KA): Lamps10A, Flash10A, Logic6A, Detector6A, Auxiliary10A, Spare(Space)
 - Surge Diverter: PC0110
 - EMI Mains Filter: PF0107
 - Filter Capacitor Module: TC400-15
 - Fuse NS32A / Holder FC32A: PF0105 / PF0104
 - Earth Link 12Way: PL0329
 - Neutral Links 12Way: PL0329; 7Way: PL0328
- General Purpose Outlet x 2 (with RCD protection): PP0103
- Generator Change Over Switch: TC400-130

B) Summary of major deviations from specified requirements

- Output Voltage of the Extra Low Voltage Transformer is 28Vac instead of 32Vac
- LTPU is supplied as typical routine component due to obsolescence of the PSTN

C) Relevant Specifications, Drawings and Standards

TfNSW Specification TSI-SP-069 "Control Equipment for Road Traffic Signals" (Issue 1.0), including Australian / International Standards and TfNSW Specifications/Drawings referenced within.

D) Conditions of use

Certificates have status that relates to their validity, certificate users shall verify with TfNSW whether this certificate is Current, applicable to the latest TfNSW specification version, when using in situations where current validity is required.

E) Related Certification History

Certificate Number	Issued	EV Number	Description or change details
ITS-TAN000068	25/6/2018	EV000098	Issued in accordance with TSC/4 and its Amend 1&2