



Intelligent Transport Systems

Type Approval

Certificate No:

ITS-TAN000092

Issued to:

Tyco Traffic and Transportation

For:

**Eclipse EC1-60 Traffic Controller - Ground Mounted
Housing With Removable Roof**

RMS Specification:

TSC/4

Version:

Amend 1 & 2

Summary Scope:

The Ground Mount Housing for accommodating an approved TSC/4 Logic Module and providing facilities for up to 24 signal group outputs, 24 loop inputs, 16 or 32 external contact inputs and configuration of 8 SPIPs and 8 SPOPs.

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

Evaluation Reference:	ITS-EV000102	Approver	Manager TSI
Approver Signature:	<i>Raj J Roychoudhry</i>	Date	24 th July, 2019

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

The Ground Mounted Housing for Tyco Eclipse EC1 series 60 traffic controller:

Overall Dimensions of the housing are 1425mm (H) x 760mm (W) x 400mm (D), with IP45 Protection, made by Marine Grade Aluminium.

The housing contains the following key items:

- Site Identification Unit (Product Part No. 4002 150 18280, Rev: 3)
- Flasher Unit
- Line Interface Unit
- 30V Power Supply and its Transformer
- Lamp Terminals for up to 32 Signal Groups
- Terminal Panel for 32 Loop Inputs
- Terminal Block E for 16 or 32 External Contact Inputs
- Mains Filter
- Facility Switch
- Mains Power Outlet (GPO, with RCD protection)
- Gas Sensor, Light Sensor and Door Open Sensor
- Mains Change-over switch and Power Generator Input Socket
- Flashing Yellow Change-over Relay

- Mains Distribution Panel:
 - Master and Auxiliary Relays
 - Fault Current Limiter
 - Circuit Breakers (Mains, Lamp, Flasher, Logic, Det and Aux)
 - Surge Diverter and Mains EMI Suppressor
 - Earth link, Neutral Link1 and 2

- Cabinet Removable Roof

B) Summary of concessional deviations from specified requirements

Nil.

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
1605-TSC4-1-1	18th May, 2016	EV0102	1605-TSC4-1-1 has been renewed and superseded by this certificate
ITS-TAN000080	13 Aug 2018	EV0193	ITS-TAN000080 Fixed Roof Traffic Controller cabinet has been superseded with this certificate with removable roof