

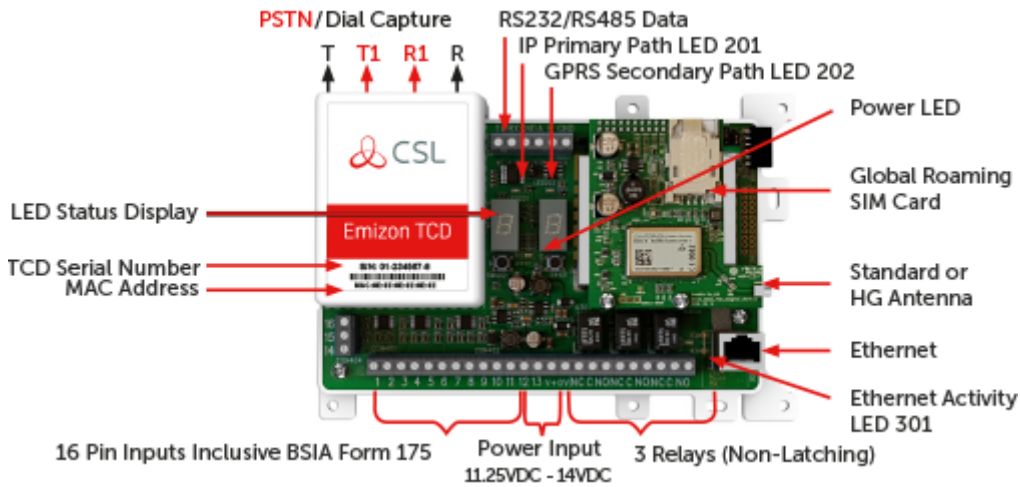


# EMIZON TCD

## TECHNICAL SPECIFICATIONS

# Emizon TCD

## Technical Specifications



TO TAKE A GPRS SIGNAL STRENGTH - TAP LEFT HAND BUTTON ONCE  
 TO SEND A TEST SIGNAL - PRESS RIGHT HAND BUTTON FOR 5 SECONDS  
 TO APPLY A FIRMWARE UPDATE - PRESS BOTH BUTTONS FOR 10 SECONDS

Dimensions	123 mm (h), 180 mm (w), 29 mm (d)
Weight	250 grams
Pins	16 Pin alarm inputs
Power Supply Requirements	11.25v DC to 14v DC Logic low -0.5V to +0.8V Logic high 3.6V to +30V Note -The EN54 version of TCD will accept 24V. Please check the TCD
Relays	3 Relays Non-Latching - Contact rating is: 1A@30V DC resistive 10 °C to +50 °C
Lower Battery Threshold	Low battery threshold 10.8V +/- 0.2v DC

### WARRANTY

CSL will refurbish or replace, at our discretion, any Stand-Alone TCD developing a fault within 5 Years. All returns must be accompanied with a CSL Returns Number, this can be obtained by calling the CSL Technical Support as detailed in the procedure below.

### OPEN SOURCE LICENSING

Details of open source software used within the CSL Group service, and the license conditions associated are available within the document entitled “Emizon Open Source Licensing” available from the CSL website.

The document details open source licensed code used within the Emizon TCD 1.X hardware environment. Details of licensed source code which is modified or linked to by Emizon applications are included. Details of licensed code which is not modified or linked to, and used only as part of Linux command line operations are not detailed here, code, configuration and license details can be found in the Emizon Open Source Package.

## **OPEN SOURCE SOFTWARE ACCESS**

A copy of the Emizon open source software package, which contains all the information, source code, build environment setups and configuration data to build the current Emizon open source platform environment are available. To obtain access, please send a large stamped self addressed envelope to the CSL main office address, including details of the Emizon TCD device (serial number and purchase details). CSL will then return a copy of the Emizon Open Source Package relevant to the device in which it was distributed.

The works on 10/100 Ethernet switches and router

## **COMPLIANCE**

Emizon TCD is suitable for installation in systems complying with EN 50131- 1 and is available to comply with EN Grades 2, 3 and 4. Emizon TCD is tested and certified for EN50136-1:2012, EN50136-2:2013, 50130-4/2011 and 50130-5/2011. As a transmission system it is certified to EN50136-1:2012 for ATS Categories SP1, SP2, SP3, SP4, SP5, over Ethernet only, and DP1, DP2, DP3, DP4, EN54-21:2006 Type 1 where EN-installation instructions in this manual apply. It only meets the EN 50131-10:2014 requirements when it is installed in an EN 50131-3:2009 or EN 50131-6:2008 compliant housing.

## **ENVIRONMENTAL COMPLIANCE**

EN50130-5 Environmental Class II (-10 to +55)  
EN50136-2:2013 -Signalling operation: Pass-thru  
EN50136-2:2013 Acknowledgment operation: By RCT (end-to-end)  
EMC 55032 Class B

Restrictions/instruction for EN-installation:  
Placement in EN-certified housing to be provided separately.

## **MAX CABLE LENGTH**

- **PSTN** - Max 30mtrs, Serial BUS no restrictions, specifications panel manufacturer apply,

- **Parallel inputs** - Max 3 mtr.

Network Interface Monitoring operation EN50136-2:2013: Encrypted polls to the service-platform with timed acknowledgements and timed intervals so SPT, Platform and RCT monitors operation.

**Information Security** - All connections between SPT, Service-platform and RCT are at least AES128 encrypted.

**Substitution Security** - The TCD is supplied without a key and that key is generated during commissioning of the installation. The key will be a minimum of a 128 bit AES key. Once the key has been produced there is no other method of gaining direct access to the TCD without using the existing authorised connection. As the TCD initiates the access there is no way that an unauthorised party can attempt to gain access directly to the TCD.