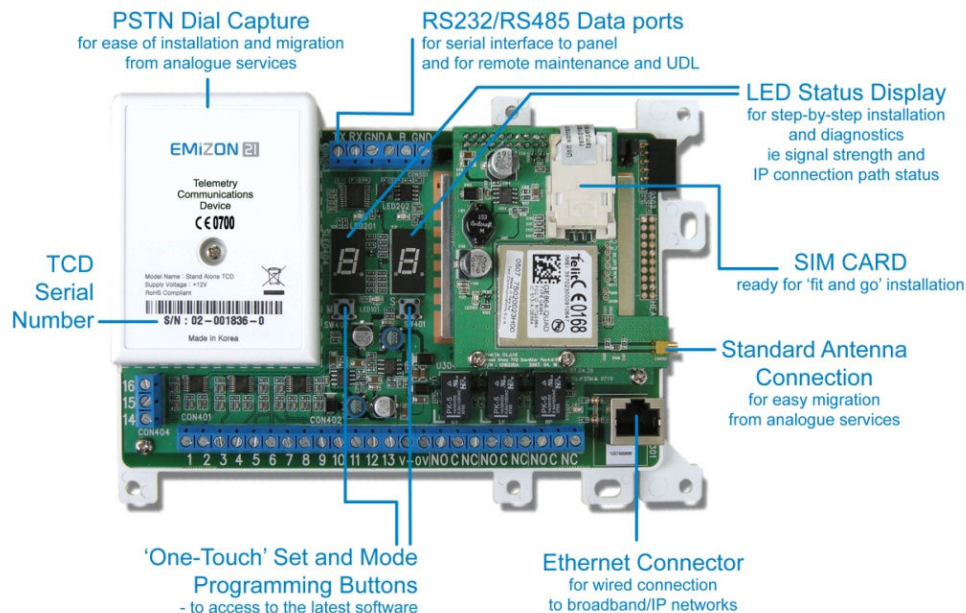


Emizon TCD (Telemetry Communications Device) Data Sheet



Description

The TCD is a dual-path communication device that fits into the alarm control panel and connects to the Emizon IP – the leading alarm and CCTV monitoring service. Once connected, the TCD provides an ‘always on’ link between the alarm panel and the 24 hour response centre – ensuring that all alarms always get through. The TCD connects into the customer’s existing broadband/IP network for the primary and wired communication path, and it also connects to the wireless GPRS network for the secondary path. TCDs can be supplied with either a Vodafone or a roaming SIM. The roaming SIM will connect onto the GPRS network with the strongest signal, choosing between (Vodafone, O2, T-Mobile and Orange).

Connectivity

The TCD uses **outbound TCP/IP connections only**, in the IP destination port range of 18,000 to 18,049, via the landline IP (Ethernet) and the GPRS IP networks. The TCD does not accept inbound connections and does not require any inbound IP ports to be opened on a customer firewall/router. GPRS connectivity is established via a private network connection (APN), and no internet connectivity is possible via GPRS in the TCD. No connectivity exists between the GPRS IP and landline IP networks in the TCD and no IP bridging is permitted between the networks in the TCD. The TCD also contains an internal firewall to isolate the TCD from any unauthorised connections or IP traffic.

Data traffic	<ul style="list-style-type: none"> • 20 Mbytes or less per month for the most secure Grade 4 service. • Grade 3 and Grade 2 will be significantly less due to the reduced polling rate.
Firewalls	<ul style="list-style-type: none"> • The TCD does not interfere with network firewall operation or settings.
IP Address	<ul style="list-style-type: none"> • As supplied the TCD is DHCP enabled. The TCD can also operate using a static IP address which can be registered in the TCD using the GPRS path.
Ports	<ul style="list-style-type: none"> • The TCD does not require any inbound IP ports to be opened.
Security	<ul style="list-style-type: none"> • The TCD does not interfere with the customer’s security settings or operations.
Power	<ul style="list-style-type: none"> • Power Supply Requirements 12 volts (ripple < 200mV) • Current typical 321mA and 350mA max
Network performance	<ul style="list-style-type: none"> • The TCD does not interfere with broadband or network performance.
Panel connection	<ul style="list-style-type: none"> • Traditional pins, serial connection via the RS485/RS232 data port or dial capture.