

DATA SHEET

Product Version: Eliron Cargo Tracker ROAD (ECT)

Datasheet rev: D

Confidential



Eliron Cargo Tracker ROAD

ECT Tracker is GSM cell location based tracking device designed to enable low cost tracking of valuable and critical shipments.



ECT Tracker is a tracking system designed for tracking of your valuable and critical shipments. The Tracker is based on GSM cell locationing. This enables cost effective, global coverage tracking that also works inside warehouses, basements and factories.

ECT Tracker ROAD is designed specifically to meet the tracking needs of road transportation with continuous tracking capabilities. ECT Tracker ROAD is not certified to be used on air-cargo or airmail.

Features

- Globally trackable where GSM network is available
 - Operates indoors and outdoors
 - Optimized for road transportation
 - No infrastructure investments needed - uses existing GSM infrastructure
 - More cost efficient than GPS - no roaming data costs, lower initial investment
 - Long battery lifetime – 20 days of tracking
 - Reusable – rechargeable battery
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Specification	Description
Location technology:	GSM CellID based location
Location accuracy*:	Urban areas: ~0,5km Rural areas: ~2km
Location update interval**:	1 hour (More frequent location interval to be released later)
Location coverage:	
Size (W x L x H):	61 x 89 x 8 mm
Weight:	46g
IP rating:	IP54
Operating conditions:	Temperature: -25°C to +55°C (ETSI EN 300 019-13 Class 3.3) Humidity: 10-100%
Impact:	Stands fall from 1,5m without functional damage
Pressure:	Static pressure of 50kg
Vibration:	According to Radio Technical Commission for Aeronautics (RTCA) DO-160 section 8 category R or U, Environmental conditions and test procedures for airborne equipment "Robust Vibration test".
Average battery lifetime***:	20 days
Battery type:	Lithium Ion/Polymer The battery meets the requirement in the UN Manual of Tests and Criteria, Part III, subsection 38.3
EASA airplane certificates:	NOT certified for air cargo
Standards compliance:	RoHS CE1313
IATA DGR compliance:	Meets IATA DGR Packing Instruction 967 Section II requirements Does not belong to Class 9 of dangerous goods Can be classified as "NOT RESTRICTED"
Patents pending:	PCT CH2010000243, PCT/CH 2010/000242, PCT CH2011000229 / CT104, PCT CH2011000147 / CT100
Restrictions on use:	ECT Tracker ROAD is not certified to be used on air-cargo or airmail. It is prohibited to use ECT Tracker for personnel tracking.

* Location accuracy is dependent on mobile network cell coverage. These values should only be used as guidance.

** The device connects to GSM network once each hour.

*** Average battery lifetime 20 days. Battery life in sub-zero conditions will be shortened. Actual battery lifetime may vary according to usage of the device.

Product versions and order codes:

Eliron Cargo Tracker ROAD (ECT) TRA_ROAD



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