



GSM/GPS Platform

SwedeTrack is delivered with a combi antenna for GSM/GPS and cable loom.

SwedeTrack

The SwedeTrack is a GSM/GPS platform in a compact casing. The unit is developed for positioning and surveillance of mobile objects. All settings are made with a PC-programme or via SMS, making the unit very easy to configure. Alarms and positions can be sent to GSM-phones, PC or web-based map systems.

ComLink co-operates with leading developers of map systems, and can provide a complete product solution with both hardware and graphic user interface. The SwedeTrack can be integrated with most standard map systems.

Easy to install

The SwedeTracks small size makes it ideal for concealed installation in mobile objects such as boats, cars, jet skis, lorries, cargo containers etc. Installation is quick and easy since only a few wires have to be connected. Settings can be changed remotely via SMS if necessary.

Customer requirements for specific functions or alterations can be met by updating the unit's internal software.

Easy to use

The SwedeTrack zone alarm is activated by an incoming phone call, a satellite fix is then

retrieved and monitored. If it moves past a radius of 200 metres from the original fix, the unit will send an SMS alarm containing position and alarm text to recipients, defined in the PC configuration programme.

Additional sensors

External sensors such as IR motion detectors, magnetic contact switches, and flood sensors can be connected to two separate inputs. Affecting the sensors will generate an alarm via SMS.

Secure

Several features have been implemented to ensure reliability and security. All incoming calls and commands are screened to verify that the originator is authorised. The unit also continuously verifies access to the GSM-network.

GSM

The integrated Siemens TC35i GSM module, is controlled by a CPU, which also handles all communication with the GPS and the unit's alarm inputs. The GSM module works in the whole of Europe, on request it can be replaced by a module that will work on the American 1900 MHz GSM band.



Digital map system

GPS

The GPS module is the very reliable Trimble Lassen SQ; it calculates the unit's position using up to eight satellites at a time.

Alarm inputs

The SwedeTrack is equipped with two alarm inputs which can send text messages containing alarm texts or positions in the form of latitude and longitude.

Outputs

The SwedeTrack is equipped with a transistor output that handles max. 200mA.

Battery back-up

There is an internal battery back-up in the unit in case of loss of supply voltage. Should the supply voltage disappear, an alarm will be sent via SMS that the unit runs on battery back-up.

Map System

A web-based map service can be used to position several objects continuously. Geographical boundaries can be defined. If they are breached the units can be configured to send alarm messages. A free, basic map-service is also available at the Comlink web site.

Communication

All SMS messages sent from the unit follow the international OVLS standard and can be integrated in most map systems on the market.

Technical Data

Power Supply

- Supply voltage
9–30VDC
- Power consumption nom. @12VDC
20mA
- Power consumption max. @12VDC
1A
- Storage temperature range
–55 to +100°C
- Operating temperature range
–20 to +55°C

GSM

Siemens TC35i GSM-modem dual band (900/1800)

The unit can be equipped with 1900 modem on request.

GPS

Trimble Lassen SQ, 8 Channels

Interfaces

I/O cable loom, screw terminal block

Inputs

2 inputs: N/O and N/C
+ trigg (max 30VDC)

Outputs

Transistor output max 200mA

Communication

Follows the OVLS standard

Casing

Plastic casing IP64

Physical data

Size L x W x H: 151 x 80 x 36mm

Weight: 260g