

mazore

Trading Ltd

distance under control



Locate-29

LOCATING, REMOTE CONTROL, MONITORING: DISTANCE UNDER CONTROL – ALWAYS AND EVERYWHERE

The locate-29 is a vehicle tracking unit based on the GPS satellite system and incorporating GSM / GPRS mobile data communication, reporting positions of vehicles and/or other moving objects in real time.

The locate-29 was developed to transmit various business critical data like numbers of items, metering data or status confirmation of vehicles or machines using add-on devices. The device provides the user with improved control and a high level of security vital to companies which are planning to optimise their costs of operations.

Advantages for your business can easily be achieved: user specific configuration allows to utilise locate-29 units fully integrated into the existing work-flow. This provides the user with more flexibility or even allows to eliminate up to now necessary work routines.

The locate-29 can often eliminate, or at least significantly reduce, the high costs of investments and its maintenance.

The locate-29 is the result of a successful combination of a high-performance processor with extensive memory capacity, a GSM module and a GPS satellite receiver for global positioning.



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STANDARD FEATURES

- Easy development of user-specific applications
- DTMF signaling recognition
- Announcement of information in natural human speech
- Choice of communication - by voice, data call, GPRS and SMS
- GPRS – the most cost-effective dedicated line into the Internet – is fully supported
- Data, application software, firmware and announcements can be individually modified, by choice over the built-in serial interface or by AI (air interface).
To transmit data over AI, all you need is either a simple modem connected to a PC or a subscription to the our M2M-commserver.
- An integrated development environment (IDE) for Windows PCs with an extensive and integrated simulator, which allows to develop applications in a BA-SIC/PASCAL-type programming language without the use of an additional device, is shipped with the device.
- Many applications support the device:
 - fleet-controlweb - the web based fleet management application for professionals
 - MP-route, the integration of VTUs and the mapping application Microsoft MapPoint
 - FT-route, the integration of VTUs and the mapping application FUGAWI Tracker
 - DGPS-enabler - the solution for all companies, that need especially accurate GPS information
 - tele-pos - the telephone based position announcement
 - inmarsat-T and inmarsat-D - satellite communication for areas without GSM coverage.

SOFTWARE DEVELOPMENT OF USER SPECIFIC APPLICATIONS

The locate-29 remote control unit can unusually fast and easy adapted to specific requirements. All that is needed is a normal PC that can be simultaneously used as a simulator for all functions such as GSM, SMS, I/Os, phone calls, etc.

Complicated, time consuming, user-specific application test preparations are unnecessary - if the program can run on the computer, then it will work on a locate-29 unit as well. A source code editor with syntax-sensitive color representation, and amongst others a compiler, are at your disposal for software development purposes. The locate supports voice recordings over a speech recognition platform, using existing recordings is no problem at all.

Voice recordings over a speech recognition platform supports locate, using existing recordings is no problem at all.

FEATURES LIST

- Siemens dual-band GSM module TC35i with GPRS support
- Standard SIM card reader, 3 Volts
- 8 channel GPS receiver
- 1,500 Kbytes of Flash memory
- Voice announcements (max. 130 seconds)
- DTMF touch tone recognition
- 4 galvanic-separated Digital Inputs
- 1 Ignition Input: change is recognized even in low power mode (0,28mA)
- 4 Relay Outputs
- 4 Analog Inputs (0..5 Volts)
- RS232 interface with PC connector (service input), 1,200 bps – 57,600 bps
- RS232 connector, 1,200 bps – 57,600 bps
- RS485 connector for up to 32 simultaneously connected devices, 110 bps – 115,000 bps (optional)
- RJ12 connector for Audio in/out; can be use for phone calls
- Battery backed Real-Time clock
- OnBoard temperature sensor
- 2 light-emitting diodes, each with 4 possible states (Red/Green/Orange/Off)
- High-speed Fujitsu CISC processor, 16 bit, 16 MHz
- GSM module headset signal, available on internal connector
- Practical aluminum housing with 4 fixing holes (170x110x31 mm)
- Power supply (9 – 36 Volts DC) monitor available through user-application program
- Extensive power-saving functions, with open configuration
- Possible simultaneous execution of 16 user-application programs with 2 different priorities
- Software updates over either AI (air interface) or serial interface
- Approvals: E1, CE, EN-50081-1 Emission, EN-61000-6-2 Immunity



**Mobile-box
version for temporary
use in vehicles**

CONNECTORS

- SUB-D9M connector for RS232 (service input)
- SUB-D9M connector for RS232
- SUB-D25M connector for power supply, I/Os, RS485
- SMA connector for GSM antenna (mobile radio)
- SMB connector for GPS antenna (satellite positioning)

Products

Product	Part-No.	Product Description
Locate-29	LOC-02-29	Basic module, user-programmable includes integrated development environment and full feature simulator
Extension-08	ERW-02-08	GPRS support (upgradeable)
Antenna-10	ANT-02-10	GSM window antenna with 3m connection cable
Antenna-11	ANT-02-11	GSM roof antenna with 3m connection cable
Antenna-12	ANT-02-12	Combined GSM / radio roof antenna with 3m connection cable
Antenna-13	ANT-02-13	GPS window antenna with 3m connection cable
Antenna-14	ANT-02-14	GPS roof antenna with 3m connection cable
Antenna-15	ANT-02-15	Combined GSM/GPS window antenna with 3m connection cable
Antenna-16	ANT-02-16	Combined GSM/GPS roof antenna with 3m connection cable
Accessory-21	ZUB-02-21	Serial cable 2m PC ↔ locate for the transmission of data, programs and firmware between a PC and locate-28
Accessory-23	ZUB-02-23	Surface mounted emergency call button
Accessory-24	ZUB-02-24	Illuminated emergency call push-button 8.1mm with light bulb
Accessory-26	ZUB-02-26	Plug-in power supply unit 12 Volts for the operation of locate with 220 Volt alternate current, all signals are available on SUB-25M connector.
Accessory-30	ZUB-02-30	Radio-Remote-Control for activating and deactivating the system
Accessory-31	ZUB-02-31	Car power cable to connect the device to 8-34 volt with additional wires for sensors or switches, including a fuse holder
Accessory-32	ZUB-02-32	12 Volt battery 700mAh with charging circuit
Accessory-33	ZUB-02-33	Switch for distinction of private and business rides incl. cable
Accessory-34	ZUB-02-34	Sub-D plug with 25 contacts with spring clips for plugging in testing wires, sensors, etc.; compatible with locate-29