



Dosing  
Weighing  
Control  
Diagnostic

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## GSM watch control

### Type "Transmitter / Receiver" model



Type: Transmitter with Internal distance sensor, temperature and accumulator charge level

- Compact and robust enclosure with easy fix system
- 12VDC or 9VAC for battery or network adapter power supply
- Optimized power management for long accumulator / battery life
- Dual or triple band GSM for worldwide use (900,1800,1900 MHz)
- Supports SMS , optional email (depends on the GSM provider)
- GSM or/and wireless radio transceiver for Europe and US
- Send data to receiver station or any GSM cellular phone. Send to different numbers depending on the trigger event
- Accurate distance measuring from about 3 cm to 3 m (optional up to 6 meters), temperature and battery charge
- Internal/External distance sensor according to place availability
- Filling level monitoring for bins and silos
- Several on board options and extension boards allow to accomplish the requirements for different applications. (alarm systems, camera pictures, see more below)
- Configuration and control software (more below)

### Short description

This device has been designed for applications requiring GSM connectivity at an affordable price. Its flexibility and ease of use combined with a powerful price to performance ratio allow using it wherever a GSM connection is required. Master - Slave mode is supported as well as wireless radio transmission for Europe and US. It allows sending and receiving logic and analog measured values such as alarms, filling levels, temperature and accumulator charge level. Send data to receiver station or any GSM cellular phone. The on board microprocessor and flexible hardware allow reading of optional analog or digital sensors according to the application needs. It allows monitoring values from remote locations and/or control remote devices through the GSM network and SMS gateways. Several on board options and extension boards allow sending email and camera picture as well as other functions according to the application requirements. Hardware and software applications available from the same producer for reduced incompatibility risk and improved ease of use.

### Software applications

- Configuration software and programming cable for fast and easy configuration.
- Customized control software designed according to the application requirements.
- Remote customer support software allows to connect to technical support via Internet. (Support tasks related to the use of the software and troubleshooting)

### Optionals and extension boards

- Optional on board digital inputs and relay outputs allow several applications such as wireless alarm systems and all applications requiring to transmit logic or analog values through the GSM network or wireless radio link.
- Optional on board analog inputs.
- Optional digital camera extension board, emails, weighing module, smoke, gas, humidity sensor, data logger .

### Services

- Maintenance service, including accumulator recharge, guarantee trouble free and reliable operation at convenient price. We keep the devices running and you don't worry about them. Contact us for covered area.
- Messages management service and related action report printing. Action report can directly be sent to the addressee (for example to the company which emptys the rubbish bins) per email or fax.

## Technical specifications

Power supply	: 9 .. 14 [VDC] or 9 [VAC] + / - 10 %
Model :	: "GSM watch control" unit with internal distance sensor, temperature and accu level
SIM card (not included)	: Internal SIM card connector (only available on units with on board GSM )
Power consumption	: from 12[mW] to 900[mW] (while transmitting data with GSM module) Power consumption depends on model, application, use and environnement conditions
Power management	: Microprocessor power management or predefined switching on timer
Battery (not included)	: Adviced capacity 12V / 12Ah ; Minimal capacity 12V / 7Ah
Enclosure	: Polycarbonate (grey) with removable cover and mounting parts
External dimensions	: 180 x 130 x 60 [mm] excluded mounting parts
IP protection	: IP 54 (default) up to IP 65 (optional and depending on the model)

## Related products

- SMS receiver station with serial interface for PC connection.
- Configuration software and related configuration cable.
- Standard message management software.
- Application specific message management software for rubbish bins emptying plan.
- SMS receiver station with serial and Ethernet interface for accessing data from any Internet host through standard Web browser.

## Current prices, updated information and models

For further information on models and current prices visit our website [www.algosystems.ch](http://www.algosystems.ch)  
or contact us via email : [algo@ticino.com](mailto:algo@ticino.com)

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