micra
wireless alarm system

**reliable protection
for small-size buildings**

The **MICRA** system is an ideal solution wherever you need a simple and reliable alarm system with GSM communicator.

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The MICRA system has been designed primarily for protection of small-sized buildings and facilities. The optional use of wireless motion detectors and reed switch detectors provides optimal protection against burglary, while the wireless smoke detectors can provide additional safety. Operating the system by means of remote control keyfobs, wireless keypad or mobile phone is simple and intuitive. Owing to its analog inputs, the MICRA can be also used for supervision over technical devices, providing information on exceeding the critical parameters, such as temperature or pressure.

Simple and quick installation, easy configuration and intuitive operation are the main advantages of the MICRA module.
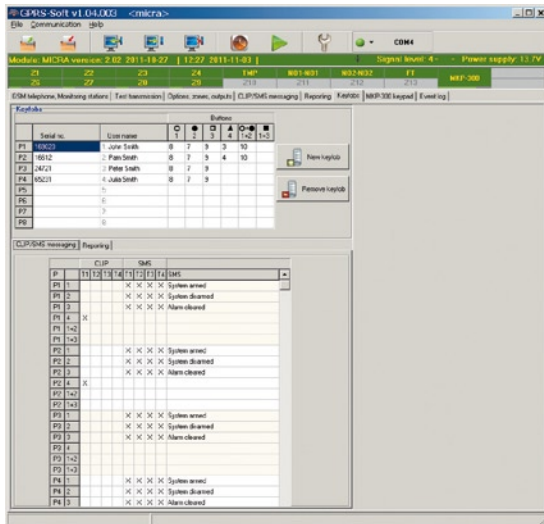
Versatility of application

The MICRA alarm module versatility stems from its capability to support both traditional hardwired detectors, as well as dedicated wireless ones. It is thus possible to quickly and easily implement a basic alarm system without having to lay any cables and, if necessary, supplement it with some less typical detectors, using standard wired devices. Additionally, the built-in buffer power supply unit with battery backup provides long-time continuous protection even in the event of 230 V power failure. The MICRA system performs ideally in protection of small-sized buildings and facilities, such as **kiosks, boutiques, holiday cottages, garages and small workshops**, but the MICRA's range of applications can be much wider. Given its compact design, the module can provide mobility for the installation, if necessary. It is therefore a perfect solution for temporary protection of, for example, **construction sites**.
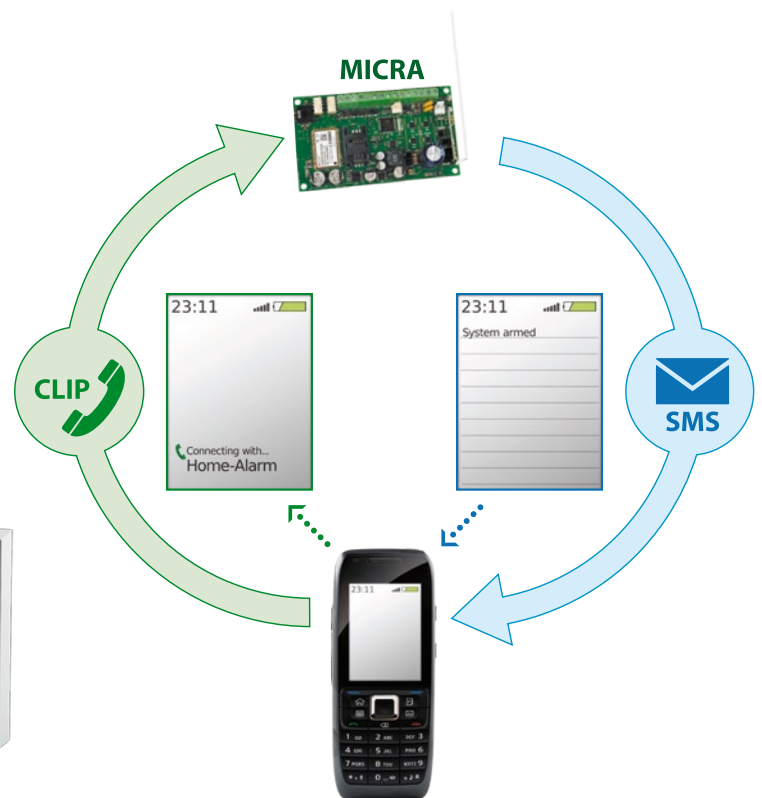
simple and easy to install • intuiti

Easy to install and configure

Because of the use of wireless communication, installation of the MICRA system is maximally simplified. **A complete alarm system can be installed in less than an hour**. Configuring the MICRA module does not require skills necessary for programming sophisticated control panels. To configure a module, simply connect it to the computer with a suitable cable and run the appropriate application. The application to be used for this purpose provides an easy and quick way to adjust the module to suit your needs, e.g. to program telephone numbers, add new detectors or configure remote control keyfobs.

MICRA

CLIP

SMS

Simple and intuitive operation

Daily operation of the MICRA system could not be simpler: you can arm and disarm the system using **radio transmitter keyfobs**, just as with car alarms. As a consequence, the training of end users of the system is short, and the possibility of making mistakes during operation minimized. The same remote control keyfob that allows you to arm or disarm the system can also be used, for example, as a panic button or to open the garage gate remotely. If you want the system to be able to be controlled with codes, as in traditional alarm systems, you can expand the MICRA system by adding a dedicated **wireless keypad**. The advantages of such a solution can be appreciated, for example, in the protection systems serving technical facilities to which various service crews need to have access. The unique capability of **operating the system via mobile phone** is another feature worth mentioning. Just send an SMS or dial into the MICRA module (so-called "CLIP") to arm or disarm the system..

small-size buildings

Reliable communication

The MICRA module is provided with a GSM / GPRS communicator, with which it can not only implement SMS **notification of events via SMS**, but also transmit information to alarm monitoring companies. In addition, **remote operation via SMS** is possible, so you can not just arm/disarm the system, but you can even control devices connected to the module, like the garden lights or driveway gate. A unique feature of the MICRA module is also its capability of **acoustic alarm verification**, or remote audio monitoring by phone of what is happening inside the protected premises. Thus it is possible to remotely assess the possible causes of the alarm signal and to avoid unnecessary costs associated with unneeded intervention.

Analog inputs

Support for analog inputs opens a number of new applications for the MICRA module. With this feature, the module can successfully **supervise the operation of various industrial equipment and installations**, especially those located in remote technical buildings. The MICRA module can perform **telemetric measurements**, periodically sending information on the values of voltage signals on its analog inputs. Additionally, a properly configured MICRA can notify about exceeding the critical values of certain process parameters (e.g. temperature, pressure, rpm) which are represented by a voltage signal.

Reliability and security

The MICRA module, like other SATEL's devices, feature top quality workmanship and well-thought-out technical solutions. This means not only a guarantee of trouble-free operation, but also the appropriate level of security. For example, the digital wireless transmission with rolling code prevents grabbing and copying of the remote control code and disarming by unauthorized persons. Another example of the adopted technical solutions is automatic diagnostics of the main components of the system, through which the system is able to detect and report, for example, a network failure, or the need to replace the battery

control by mobile phone

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MICRA alarm module

The heart of MICRA system is the alarm module that receives signals from the wireless and wired detectors, equipped with GPRS monitoring and SMS notification functions. The built-in power supply unit provides continuous system operation when the 230 V supply is not available, and the module outputs allow control of devices connected to it, such as garage door.

MMD-300 door/window opening detector

Magnetic detector of door / window opening, representing the "first line of defense". With MMD-300, the alarm system will react to intrusion before the intruder manages to get into the protected area. Powered by a lithium battery to ensure many years of work without having to replace the source of power supply.

MPD-300 motion detector

Motion detector, whose role is to detect an intruder moving within the area protected by the system. As it is immune to pets, the MPD-300 can provide protection even if small pets, such as small dogs or cats, are moving within its range when the system is armed. The lithium battery used to power the device ensures many years of work without having to replace it, so the system is as easy to operate as the traditional wired solutions.

MSD-300 smoke and heat detector

Smoke and heat detector, whose task is early detection of a developing fire. In addition to providing information about a threat to the control panel, the MSD-300 detector can warn of the danger by using the built-in sounder. In contrast to the conventional smoke detectors, this device will react not only to visible smoke, but also to a rapid increase in temperature, providing more complete protection against the danger of fire.

MPT-300 remote control keyfob

Universal remote control keyfob to operate the MICRA system. It not only enables the system to be easily armed and disarmed, but also allows you to call for help (start the panic alarm), or control other devices connected to the MICRA system, for example, the garage gate. Its additional advantage is the possibility to individually configure each button, so as to better adjust its performance to your needs.

MKP-300 wireless keypad

Wireless keypad for the MICRA system, which allows you to arm / disarm the system and control devices connected to the module without having your own keyfob. This makes it an ideal control solution where the system is expected to be operated by many different people.
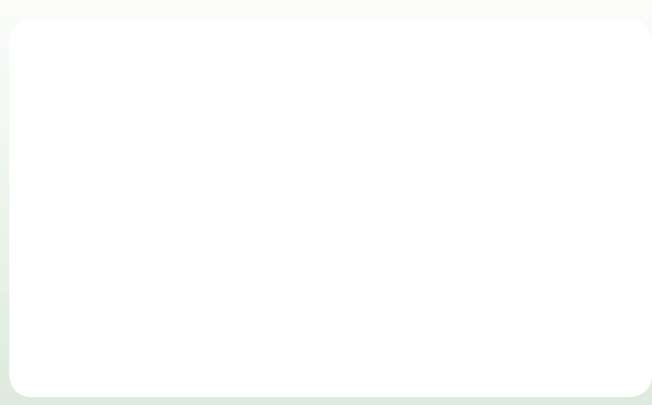
MICRA system

Number of wireless detectors	8
Number of wired inputs (standard/analog)	5
Number of outputs (relay/OC)	2/1
Number of keyfobs/wireless keypads	8/1
Number of phones to be notified	4

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Over **20 years** experience

Since its creation in 1990, each year of SATEL's activity has meant marketing additional products dedicated to the protection of people and property. In our offer you can find both a wide range of devices and accessories used in alarm systems, access control systems and equipment designed for companies dealing with their monitoring. Strategic investments in new technologies and innovative solutions ensure us a leading position in the market. The dynamic development of the Company and the expanding range of products offered are possible because of trust the customers have placed in our solutions. Accurate identification of the needs and requirements of our Customers is one of the pillars of the Company's success.

Our mission is to provide a sense of security to individual and institutional customers and to raise standards in the protection of people and property. Our employees make every effort to ensure that products bearing the SATEL trademark offer comfort of use and improve the quality of your life.