MADE TO PROTECT

wireless alarm system
reliable protection for small-size buildings

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

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 cabling and, if necessary, supplement it with some wireless typical detectors, using standard wired devices. Additionally, there is no need for classical power supply units, which are often a burden in the case of small-size buildings.

Easy to install and configure
Because of the use of wireless communications, installation of the MICRA system is minimally intrusive. A complete alarm system can be installed in less than an hour. Configuring the MICRA module does not require skills necessary for programming applications or control panels. To configure a module, simply connect it to a computer with a suitable cable and run the appropriate application. The software to be used for this purpose provides a user-friendly wizard to guide you through the configuration process.

Reliable protection for small-size buildings
The MICRA system has been designed primarily for protection of small-size buildings and facilities. The possibility to use wireless motion detectors and door switch detectors provides additional security. Operating the system by means of remote control keyfobs, wireless keypad or mobile phones simple and intuitive. Owing to its analog inputs, the MICRA can also be used for supervision over technical devices, providing information on exceeding the critical parameters, such as temperature or pressure.

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, as with car alarms. As a consequence, the training of end-users of the system is short, and the possibility of making mistakes during the operation minimized. The MICRA system also allows for typical applications, such 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 radio transmitter keyfobs.

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 transmitters, 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 minor faults, for example, a network failure, or to replace the battery.

Reliable communication
The MICRA module is provided with a G3/GPRS communicator, with which it can not only receive SMS notification of events, but also transmit information to alarm monitoring centers. Additionally, remote operation via SMS is possible, 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 radio transmitter keyfobs. Owing to its capability of acoustic alarm verification, you will be notified of the alarm signal and to avoid unnecessary costs associated with unwarranted intervention.

Analog inputs
Support for analog inputs opens a number of new applications for the MICRA module. With its features, it can successfully supervise the operation of various industries, companies and enterprises, especially those located in remote technical buildings. The MICRA module can be used to supervise telemetric measurements, personal and information on the volume of voltage signals, turning on or turning off motors and other equipment. Additionally, 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.

Easy configuration and intuitive operation
Setting the MICRA module can be performed in three simple steps.

1. Connection to the computer and running the MICRA installation software, which guides you through the configuration process.
2. Connecting the MICRA module to the GSM/GPRS communicator with a suitable cable.
3. Configuring the MICRA module with the appropriate application on the PC.

Powerful control
You can control devices connected to the MICRA module, like the garden lights or driveway gate. A unique feature of the MICRA module is also its capability of acoustic alarm verification, to monitor monitoring by phone of what is happening inside the protected premises. This allows you to remotely observe the possible causes of the alarm signal and to avoid unnecessary costs associated with unwarranted intervention.

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 cabling and, if necessary, supplement it with some wireless typical detectors, using standard wired devices. Additionally, there is no need for classical power supply units, which are often a burden in the case of small-size buildings.
MMD-300 / MMD-302 • MGD-300 • MFD-300 • MSD-300 • MPD-300

Technical data of MICRA module

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of wireless detectors</td>
<td>8</td>
</tr>
<tr>
<td>Number of wired inputs (standard/tamper)</td>
<td>4/1</td>
</tr>
<tr>
<td>Number of outputs (relay/OC)</td>
<td>2/1</td>
</tr>
<tr>
<td>Number of keyfobs/wireless keypads</td>
<td>8/1</td>
</tr>
<tr>
<td>Number of phones to be notified</td>
<td>4</td>
</tr>
</tbody>
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**MMD-300 / MMD-302 MAGNETIC DETECTOR**
Magnetic door and window opening detector, representing the "first line of defense". With MMD-300/302, the alarm system will react to intrusion before the intruder manages to get into the protected area.

**MGD-300 GLASSBREAK DETECTOR**
The MGD-300 detector allows for the expansion of the MICRA system with glassbreak detection for plate, tempered and laminated glass.

**MFD-300 FLOOD DETECTOR**
The MFD-300 flood detector is designed for leak detection in areas with water installations, for example, in the kitchen, bathroom or laundry room. The external probe is connected to the detector using a flexible cable, which simplifies installation even in hard to reach places.

**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.

**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, are moving within its range when the system is armed.

**MTX-300 WIRELESS SYSTEM CONTROLLER**
The MTX-300 controller enables expansion of the alarm systems by adding wireless devices that operate at 433 MHz frequency. It can also be used in automation system. The MTX-300 supports up to 16 detectors, up to 32 keyfobs and up to 4 MSP-300 wireless sirens. The controller can be programmed locally using buttons located on it or by means of computer with the MTX Soft dedicated free program installed.

**MSP-300 WIRELESS OUTDOOR ACOUSTIC AND OPTICAL SIREN**
The MSP-300 wireless outdoor siren is designed to work in conjunction with the MTX-300 controller. The modern radio system with optimized power management enables long-lasting operation of the device in harsh environments. Trouble-free functioning of the MSP-300 is also possible due to the high-performance battery, which is used in specialized applications, including military and medical ones.

**MKP-300 WIRELESS KEYPAD**
Wireless keypad, 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.

**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.
MORE THAN 25 YEARS OF EXPERIENCE

Professional protection of each type of premises, as well as people staying therein, through advanced, yet functional and cost-effective solutions – these few words may serve as the shortest description of the mission of SATEL, a manufacturer of security systems with involvement of 100% Polish capital. Due to integrity in business and a special emphasis on high quality and a wide range of products offered, the SATEL brand has been highly appreciated in the industry for over 25 years.

This philosophy of management and hard work of more than 300 SATEL’s employees produce tangible results. The wide range of over 400 offered products provides countless opportunities to create security, home automation, fire alarm, access control and monitoring systems, tailored to the individual needs of each user. At the same time, these systems meet all requirements prescribed by Polish and international regulations and industry standards.

Bringing the functionality of devices into line with current requirements and expectations of the market with the use of the latest technologies is one of the main objectives of SATEL. For this reason the design and production departments of the Company are continuously being modernized and expanded. A natural consequence of all actions aimed at the production of top-quality devices was the introduction of the quality management system conforming to ISO 9001:2000 in 2002. Regardless of this certification, SATEL also carries out a full functional test of all products leaving the production line, thus ensuring reliability of the manufactured devices. Focusing on modern design and attaching importance to the highest levels of quality and functionality of its products, SATEL has gained many satisfied customers not only in Poland but also in more than 50 markets worldwide.