

# MICRA

The MICRA system has been designed primarily for 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**.

The MICRA alarm module versatility stems from its capability to support both traditional hardwired detectors, as well as dedicated wireless ones. 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. 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. 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 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 cannot just arm/disarm the system, but you can even control devices connected to the module. 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.



## Features:

- 4 programmable inputs for detectors and technical equipment supervision
- inputs mode selection: digital (on/off) or analog (voltage)
- dedicate tamper loop input
- 2 relay outputs controlled locally or remotely (with keyfobs, SMS or CLIP)
- remote control receiver supporting up to eight P-2/P-4/T-2/T-4 keyfobs
- support for **MRU-300** radio signal repeater
- GPRS/SMS monitoring with events definition
- SMS/CLIP personal messaging on selected events
- audio verification over telephone via external microphone
- local (RS-232) or remote (GPRS) programming

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

Maximum humidity	93±3%
Number of supported wireless detectors	8
Number of supported wireless keypads	1
Number of supported remote control keyfobs	8
Number of hardwired zones	4+1
Number of outputs low-current, OC type	1
Number of relay outputs	2
Relay contacts rated load (resistive)	1000 mA/24 V AC/DC
Number of outputs power	1
Battery cut-off voltage (±10%)	10,5 V
Supply voltage (±10%) [V AC]	18 V AC
Battery failure voltage threshold (±10%)	11 V
AUX output rating	500 mA
Current capacity of the FT output	50 mA
Current consumption from battery - maximum	420 mA
Current consumption from battery - standby	120 mA
Current consumption from 230 V mains - maximum	150 mA
Current consumption from 230 V mains - standby	50 mA
Battery charging current (±20%)	250 mA
Type of microphone socket	Jack 3.5 mm
Power supply type	A
Types of supported wireless detectors	MSD-300, MPD-300, MMD-300
Types of supported keyfobs	P-2, P-4, T-1, T-2, T-4, MPT-300
Power supply rating	2 A
Enclosure dimensions	266 x 286 x 100 mm
Board dimensions	120 x 68,5 mm
Operating frequency range	433,05 ÷ 434,79 MHz
Output voltage range	10,5...13,8 V DC
Operating temperature range	-10...+55 °C
Recommended transformer type	TR40VA (40 VA / 18 V AC)
Keyfobs operating range in open area	up to 100 m
Weight	1072 g

