Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;

2. Improper results of operation of the product or products related with it;

3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.

Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.

Turn off the device before transporting it.

Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Proper product disposal:

A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.

To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

The MICRA alarm module with GSM/GPRS communicator is the versatility alarm device with capability to support both traditional hardwired detectors, as well as dedicated wireless ones. 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. To configure a module, simply connect it to the computer with a suitable cable and run the appropriate application.

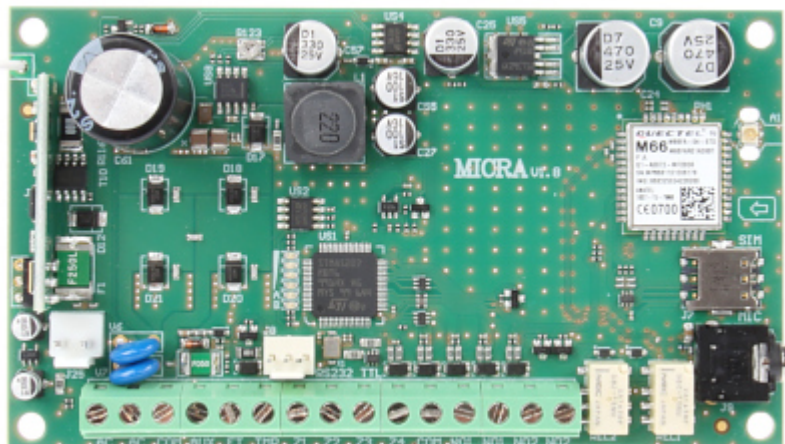|	
Number of hardwired inputs:	4 + 1
Number of relay outputs:	2
Number of low-current OC type outputs:	1
Number of power outputs:	1
Power supply:	18 V ± 10%
Recommended transformer type:	TR40VA (40VA / 18VAC)
Module power supply type:	A
Total current consumption of the built-in power adapter:	2 A
Current consumption from 230V mains (standby):	50 mA
Maximal current consumption from 230V mains:	150 mA
Current consumption from battery (standby):	120 mA
Maximal current consumption from battery:	420 mA
Battery failure voltage threshold:	11 V ± 10 %
Battery cut-off voltage:	10.5 V ± 10 %
Battery charging current:	250 mA ± 20 %
Output voltage range of the power adapter:	10.5 ... 13.8 V DC

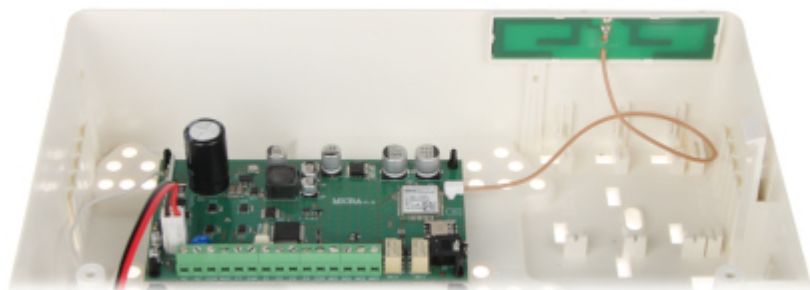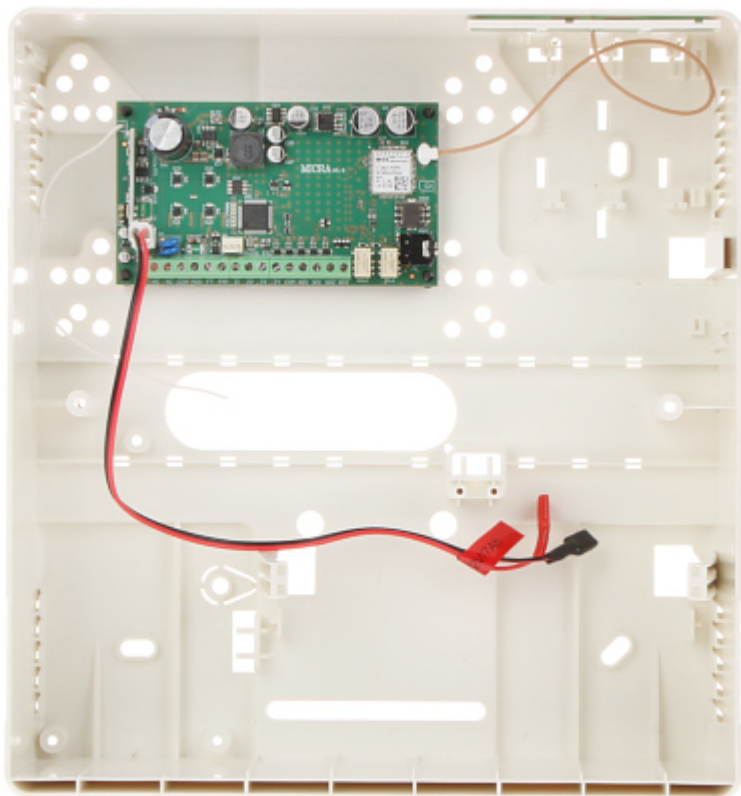|	
Current-carrying capacity, AUX output:	500 mA
Current-carrying capacity, FT output:	50 mA
Relay contacts rating (resistive load):	1 A / 30 V DC
Number of supported remote control keyfobs:	8
Supported keyfobs types:	• P-2 • P-4 • T-1 • T-2 • T-4
Operating range in open area:	max. 100 m
Number of supported wireless detectors:	8
Supported wireless detectors types:	• MSD-300 • MPD-300 • MMD-300
Operating frequency range of the wireless devices:	433.05 ... 434.79 MHz
Type of microphone socket:	JACK 3.5 mm
Environment class:	II
Operation temp:	-10 °C ... 55 °C
Main features:	• inputs mode selection: digital (NO/NC) or analog (voltage measurement) • dedicate tamper loop input • GPRS/SMS monitoring • SMS/CLIP test transmission function • non-volatile memory of events • possibility of local programming via RS-232 port or remote programming via GPRS/SMS
Board dimensions:	120 x 68.5 mm
Dimensions:	266 x 286 x 100 mm
Manufacturer / Brand:	SATEL
Guarantee:	2 years

PCB:

The kit includes an enclosure designed for mounting the panel module, as well as separately available battery (7Ah - 12V/7.2AH-MW) and transformer:

The module placed inside enclosure:

In the kit:

PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg