



SENECA s.r.l.

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GENERAL FEATURES

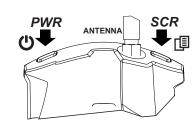
management system, datalogge Display LCD 128 x 32 Dots Lithium-ion rechargeable batter Nr.4 digital inputs (available on Nr.2 analog inputs V / mA (avail Nr.1 GSM antenna, replaceable Button for power on / off and bu LED for displaying: power supp SIM plug in (for SIM card with d Mini USB plug in, to recharge th Micro SD card input Internal GPS module (optional I Nr.2 relay digital outputs (optior	y, autonomy up to: 30 h GSM, 10 h G the internal s) able on the internal terminals) on SMA connector tton for display scrolling ly / device status, GSM status imensions: 15 x 25 mm) is internal battery and to configure the poard) ial board)	PS e module		
TECH	INICAL SPECIFICATION	S		
	Board base			
Digital inputs	Number: 4 Max frequency: 30 Hz Type: Reed, contact, PNP, Pulscap Threshold OFF: 0 - 2 Vdc, I < 1 mA Threshold ON: 12 - 24 Vdc, I > 3 m			
Analog inputs	Number: 2 Type: voltage (030V) / current (0 programmable; accuracy: 0.1% of e			
Voltage output	+12 Vdc @ 50 mA (max)			
Internal temperature sensor	Number: 1 Type: NTC			
USB	USB 2.0 mini B, for configuration a	nd battery charge		
Display	LCD 128 x 32 Dots Visible area 39 mm x 8.6 mm			
Micro SD	Type: push-push For SD card and SD HC card Memory SD CARD: max 32 Gb			
SIM	Type push-push			
GSM features	Quad band (850 / 900 / 1800 / 190	0 MHz)		
GPS board (optional)				
GPS features	Number of channels: 42 Sensitivity - tracking: -160 dBm; -au acquisition: -143 dBm Time to first fix - hot start: 5 s; -cold -130 dBm)			
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F	Relay board (optional)	
Digital outputs	Number: 2 Type: relay 3 A max (for common) - 240	V SPST
	CPU & memories	
Microprocessor	ARM @ 100 MHz, 32 bit	
Internal memories Input for external memories	128 kByte RAM 512 kByte + 2 Mbyte (log) FLASH Micro SD card: max 32 Gbyte (for micro SD and micro SD HC card)	
	Power supply	
Power supply	515 V _{DC} @ 500 mA	
Comsumption	Max 3.5 W	
Internal battery	lithium ions 3.7 V - 1000 mAh, recharge Dimensions: 53 mm x 34 mm x 6 mm Autonomy (up to): 30 h GSM, 10 h GPS	
	Environmental condition	
Temperature	-10+55°C	
Humidity	3090% at 40°C without condensing	
Storage Temperature	-20+85°C	
Degree protection	IP20	
	Connections	
Connections	Terminals, pitch 3,5 mm Push-push plug in for SIM card Mini USB plug in Push-push plug in for micro SD card SMA connector for GSM antenna	
E	Box / Dimensions	
Dimensions	L: 80 mm; H: 108 mm; W: 32 mm	
Case	Polycarbonate/ABS	
Weight	150 g (about)	
l	ncluded elements	
	(connection via terminals), GSM anten ISB cable, Nr.2 screws, Nr.2 dowels, su	
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Standards

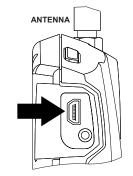
CONSTRUCTIVE ELEMENTS OF MYALARM2

Button for power on / power off and button for settings



The MyALARM2 has the PWR button, placed in the upper left side (front view). Pressing of this button allows to power on / off the module. To power off the module, keep pressed the PWR button for a few seconds. Moreover the MvALARM2 has the SCR button, placed in the upper right side (front view). Pressing of this button allows to scroll the display parameters.

USB port and power supply



The MyALARM2 has a mini USB plug in, placed on the left side of case; it can be used to configure the MyALARM2, to perform the firmware upgrading and to recharge the internal battery from PC.

In alternative, it is possible to recharge the internal battery, using: - the power supply (an accessory, no supplied with MyALARM2) using USB plug in or, in alternative - the 12 V - power supply (supplied with MyALARM2), connecting wires with minals + and - (GND).

Note about the MyALARM2 functioning

AUTO POWER-OFF. If the MyALARM2 displays «LOW BATT», its internal battery is running low: after 60 seconds, the MyALARM2 turns off automatically. To recharge the battery to an appropriate value, power on the MyALARM2 using one of the recommended cables.

POWER SUPPLY BY USB CABLE. The MyALARM2 power supply that uses USB port is not suitable for permanent installations, or installations in which are used relays and/or digital inputs. In these cases, supply the MyALARM2 using the 12 Vdc-power supply (it is an

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SD

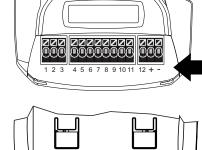
card

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Terminals

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The module complies with the following standards: ETSI EN 301 489-7 (electromagnetic compatibility and radio spectrum atters ERM; electromagnetic compatibility EMC standard for radio equipment and services) EN 301 511 EN 301 489-IEC/EN 60950 Symbols on case Power button (PWR) SIM CARD plug-in Micro SD CARD plug-in GSM antenna SD Internal GPS antenna GPS ▼ Scroll display button (SCR) (optional board) 4 Mini USB plug-in **INSTALLATION** The module is designed to be



The MvALARM2 has 14 terminals in the internal part of case. To use these terminals, lift and remove the cover placed in the inferior part of MvALARM2. In the figure on the side, the cover has been removed

IMPORTANT: it is forbidden the mobile cabling; conveying the cables correctly. To place with order and safety the cables outwards from the terminals, use the four removable cable runways at the rear of the case. When wiring is completed, replace the cover to protect cables from accidental contact.

The MyALARM2 has a SIM plug in, placed in the lateral right side of the

To insert the SIM card in the corresponding connector, ensure that the card is oriented with metal contacts towards the left (with reference to the fiaure).

The MyALARM2 has a SD card plug in that can be used for data logging and updating MyALARM2 firmware. The micro SD card plug in is placed in the lateral right side of the case. To insert the SD card in the corresponding connector, ensure that the card is oriented with metal contacts towards the left (with reference to the figure).

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installed, in vertical position, on DIN

1) Insert the three hooks of support into the corresponding three hole

in the bottom side of MyALARM2

2) To fix the module in the DIN rail

hook the omega support in the DIN

rail. Alternatively, the support is

provided with two holes: it is

possible the wall fixing using two

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뎹

46277 rail too

screws.

Inserting in the DIN rail

How the picture shows:

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0 \bigcirc e SIM card case SIM card

Micro SD card



