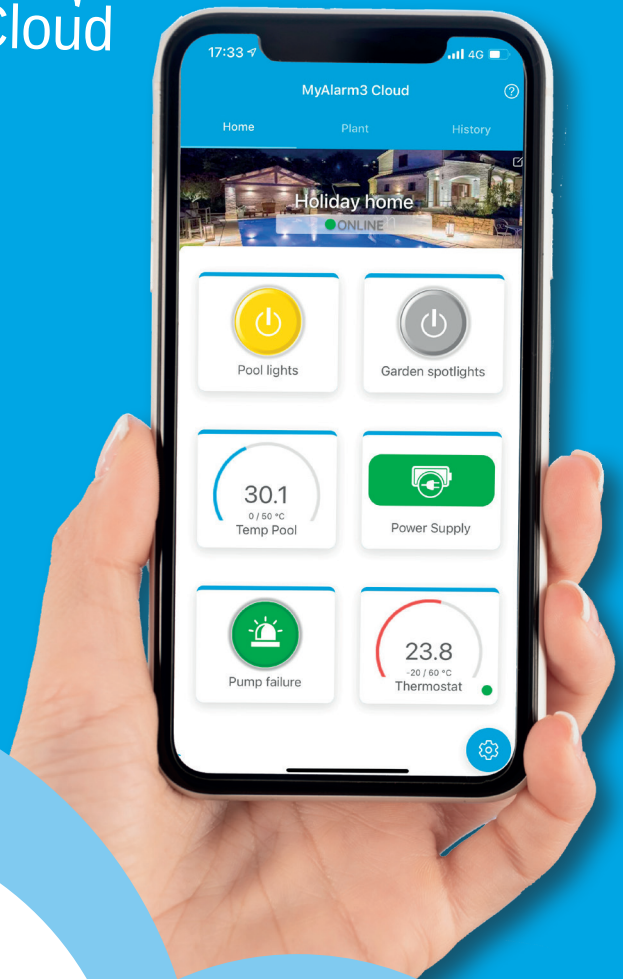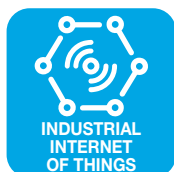# MYALARM3 CLOUD
REMOTE ALARM
AND CLOUD BASED MONITORING UNIT

My3 Cloud

**MULTIFUNCTIONAL DEVICE
EASY USE VIA APP
NO PROGRAMMING REQUIRED**

by Vodafone
**BUILT-IN
VSIM CARD**

**ALL SIM CARDS
COMPATIBILITY**

**INDUSTRIAL
INTERNET
OF THINGS**

**iOS / ANDROID
MULTILANGUAGE
APP**

SENECA
w w w . s e n e c a . i t

MYALARM3 CLOUD
The cloud at your fingertips

MyAlarm3 Cloud is a system consisting of a GSM/GPRS intelligent control unit and a mobile app for remote control of homes, plants, machinery and unmanned installations. MyAlarm3 Cloud is a compact and reliable all-in one system for residential or industrial applications, in particular for automatic sending of data and alarms from unattended sites. The app offers the main functions useful for monitoring through an immediate consultation and a practical use both from Web browser and from mobile devices, allowing the management of alarms (in case of blackout, variation of digital contacts, exceeding thresholds of thresholds), timed, pulse and on/off commands (lights, motors, gates, pumps, overhead doors, HVAC contacts and crepuscle contacts). for HVAC systems and twilight contacts), GPS (position notifications, virtual fence alarm).
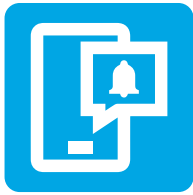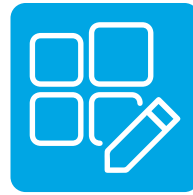
VERSATILITY AND MULTIFUNCTIONALITY

Remote control of unattended sites

Instant configuration via multilanguage iOS/Android App

Automatic sending of commands, data, alarms with push notifications

Extensive widget library to customize the application
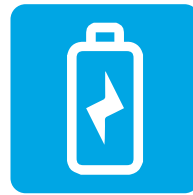
Cloud interface

Real-time alerts and alarm management

On-off and time-based controls for gates, motors, pumps, lights, etc.

Opening / Closing temperature threshold contacts (HVAC systems)

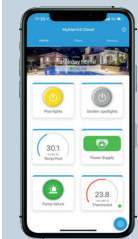**Li-On rechargeable battery**

GPS module (option)

SYSTEM CONFIGURATION

1. SMART CONTROL UNIT
GSM/GPRS control unit including 4 digital inputs, 2 analogue inputs, 2 digital outputs, LCD display, NTC temperature sensor, input for external NTC sensor, back-up battery, GPS module (optional).

2. iOS / ANDROID MOBILE APP
Free MyALARM3 Cloud mobile app available from Apple or Android stores. This powerful app in 10 languages allows advanced system configuration in a simple way. It integrates tutorials, manuals and online help.

3. CLOUD SERVICE
In MyAlarm3 Cloud KIT is included a fee for the duration of 12 months from date of first activation. For information and service renewal costs please visit:
www.seneca.it/myalarm3cloud
https://cloud.seneca.it

SOME SCENARIOS AND APPLICATIONS

BOILER CONTROL

ANTI FLOODING SYSTEM

IRRIGATION SYSTEM

NETWORK VOLTAGE AND POWER CONSUMPTION CONTROL

HOLIDAY HOUSE REMOTE CONTROL

ACCESS CONTROL

POOL MANAGEMENT

LOCAL AUTOMATION

LIGHT MANAGEMENT

AUTOMATIC GATES OPENING

HVAC SYSTEM MONITORING

ALARM MANAGEMENT

MYALARM3 CLOUD app
The most powerful and easy to use monitoring app

My3 Cloud

Download on the **App Store** GET IT ON **Google Play**

ADVANCED CONFIGURATION
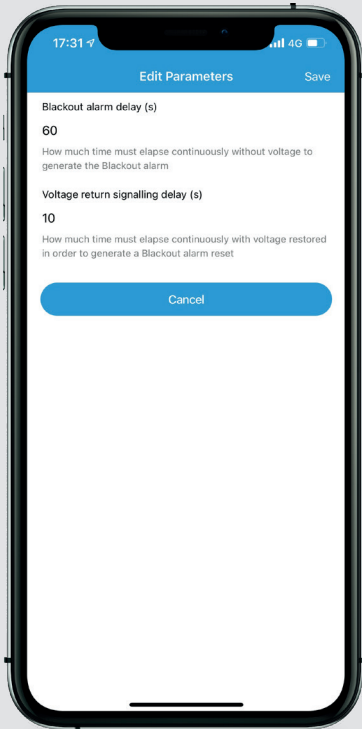
MyALARM3 Cloud app offers very high levels of parameterization and customization. For example, it allows you to easily set the critical times for the system such as the blackout alarm delay and the delayed power return signal.

The app also guides the user through the customization of widgets, image backgrounds and all interface parameters (language, header, widget shape, camera, tab sorting).

ALARMS AND COMMANDS MANAGEMENT
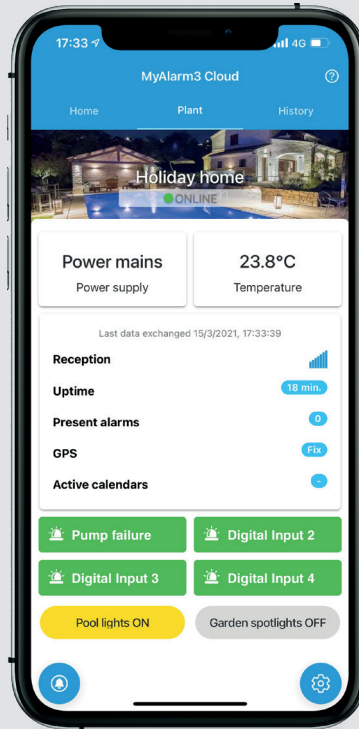
The range of alarms that can be managed in case of blackout, digital contact variations (and related counters), exceeding of analogue thresholds etc. is very wide.

In addition to push notifications, these variations can also be matched with actions such as on/off, timed and impulsive commands, for example for opening/ closing motors, pumps, gates, overhead doors, lights, twilight contacts (dawn / dusk), temperature thresholds (HVAC systems).

TUTORIAL AND ON-LINE HELP
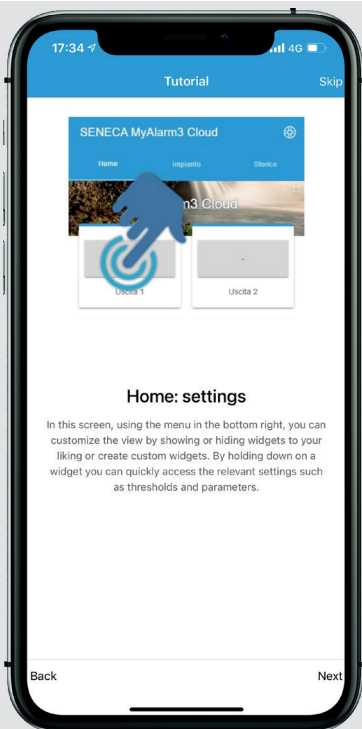
The app provides system setup instructions in graphical format, tutorials and step-by-step guides on managing, creating and customizing widgets, accessing history and system information. It also provides detailed online manuals that save learning time and reduce the risk of user errors.

USER AND INVITATION MANAGEMENT
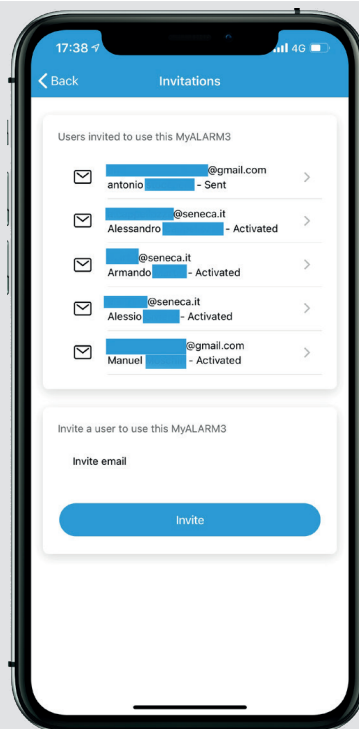
In order to obtain the maximum flexibility of management of the plant, MyAlarm3 Cloud allows you to connect multiple users (unlimited number) to the same plant with a multi-level access system: owneradministrator, editor, user with access through restricted area.

The same instance of the app allows access to different installations.

GEOLOCATION
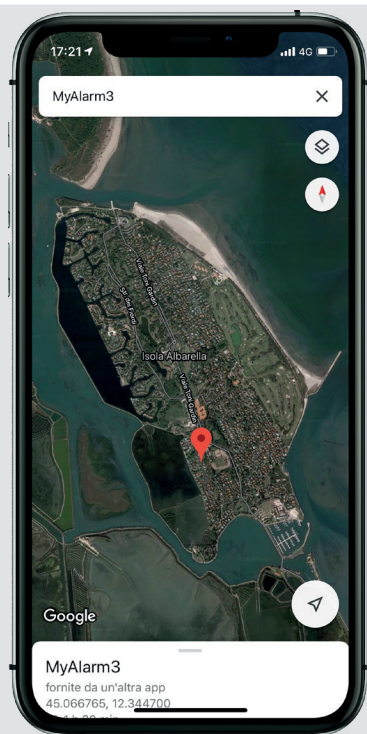
Through optional integrated GPS module, the app makes it possible to receive geolocation notifications and manage alarms, such as exceeding the virtual fence.
The control and localization of the system via GPS increases the level of security and expands the range of applications even in mobile conditions.
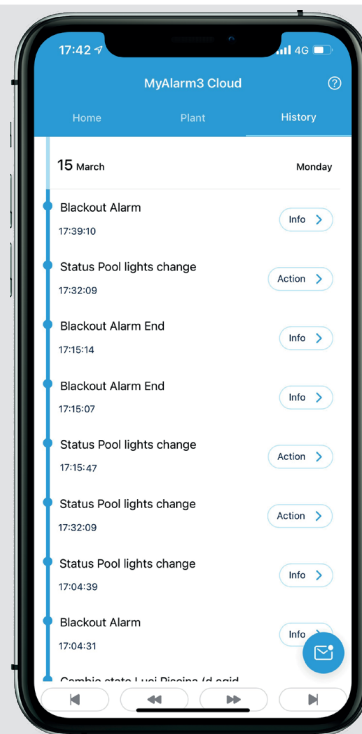
ALARMS AND EVENTS LOG

The application has a specific section for the visualization of the log alarms and events (statuses, alerts, errors, warnings) easily filterable and consultable.
Reports of offline devices and loading of updates are also provided.
The availability of this data provides concrete analysis to monitor plants and obtain a unified view of the operational integrity status.

CALENDAR AND SCHEDULING
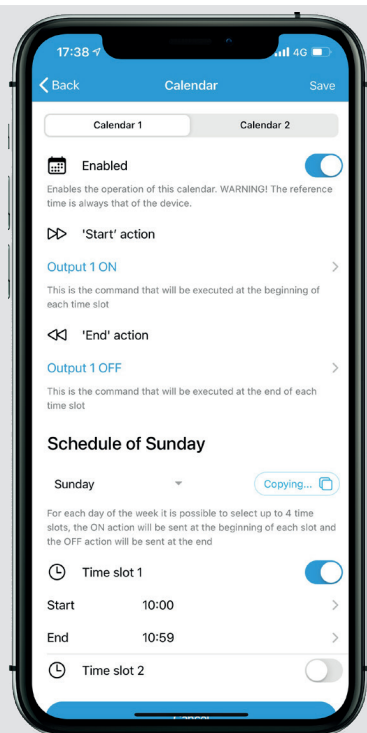
Once the calendar is set and enabled, the app allows you to send commands at the beginning/end of the time slot, such as turning lights on or off at set times, with the availability of 2 weekly calendars programmable up to 4 time slots).

THERMOSTAT FUNCTION
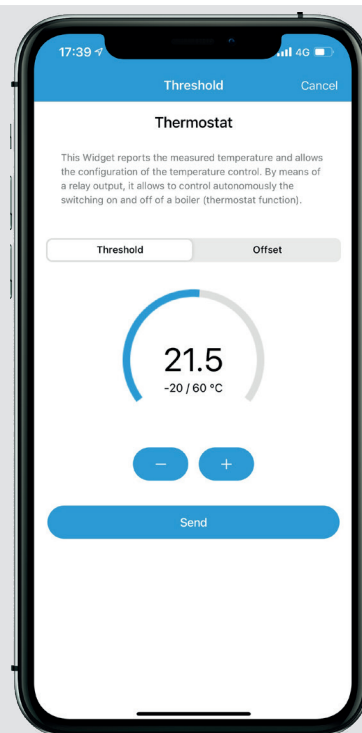
The app allows you to set, modify and send temperature parameters and the alarm associated with exceeding the threshold value.
MyALARM3 Cloud behaves in this way as an electronic thermostat to control the room temperature, during heating or air conditioning, with GSM/GPRS module incorporated.

MYALARM3 CLOUD

TECHNICAL FEATURES

GENERAL DATA

Power supply	6-15 Vdc
Power consumption	3.5 W (max)
Voltage output	12 Vdc @50mA(Max Current)
Protection degree	IP40
Battery	Rechargeable Li-Ion, 3.7 V -1100 mAh, autonomy up to 5 h
Status signals	Power supply - GSM / GPRS - Device status
Temperature probe	Internal NTC, optional external probe
Connections	Spring terminals, 3.5 mm pitch - Connector for Micro USB SMA connector for GSM antenna - MMCX for GPS (optional) Push-Push slot for SD card and SD HC card / max 32GB
CPU	ARM 120 MHz 32 bit
Flash memory	1 MB + 8 MB
SD Support	Push-Push for SD card and SD HC card / max 32GB
SD supplied	Yes
SIM Slot	Push-Push for Mini SIM (15 x 25 mm)
SIM supported	Mini SIM card (15x25 mm)
Protocols	MQTT, HTTPS
Display	LCD 128x32 Dots with visible area 39 mm x 8,6 mm
Status LED	On/Off, Network Search, Internet Access
GSM	Quad band 850 / 900 / 1800 / 1900 MHz; push-pull SIM port slot, SIM card support
GPS	RECEIVER 22 channels - SENSITIVITY -165 dBm FIX TIME 32 s typical - ACCURACY Up to 2.5 m
Dimensions	80 x 105 x 30 mm
Weight	150 g
Operating Temperature	0..+45°C (recommended); -20..+55°C (with battery not charging);
Material	ABS polycarbonate
Mounting	DIN rail or wall mount

APP FUNCTIONS AND SETTINGS

Management app	MyALARM3 Cloud
Widgets available	Analog MAX, Analog MIN, Threshold Counter, Digital Input, GPS Fence, Digital Output, No power supply, Sunrise and sunset, Minimum temperature, Maximum temperature, Boiler (minimum temperature), Air conditioner (aka maximum temperature), Custom widget to send a command
Store	Playstore, App Store
Interface languages	Italian, English, French, German, Spanish, Dutch, Portuguese, Greek, Russian, Romanian
Cloud service	12 months free from activation
Alarm management	Blackout, digital contacts, impulsive contacts, timed contacts, twilight contacts, counters, analog min/max thresholds, motorized utility control, GPS virtual fence
Widget management	Units of measure, tags, messages, actions
History	Alarm log, events, calendar
Menù	Dashboard, calendar, time zone, device selection
Options	App parameters, device status, account, online help, privacy, user license, information
Home	Utilities control, alarm status, temperature, power grid
System management	Power grid, temperature, GSM/GPRS network, GPS, present alarms, uptime, I/O management

DIGITAL INPUTS

Channels	4
Type	REED Contact, PNP, Pulscap, relay
Max frequency	30 Hz

ANALOG INPUTS

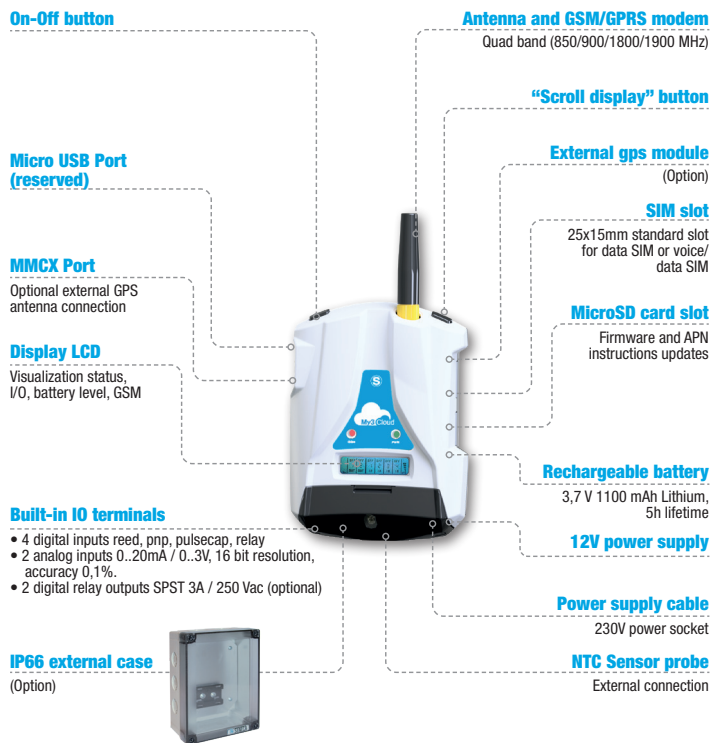|	
Channels	2
Type	Current 0..20 mA (max impedance 60 Ω); voltage 0..30 V (max impedance 100 kΩ)
Resolution	16 bit
Accuracy	0,1% f.s.

DIGITAL OUTPUTS

Channels	2
Type	SPST Relay 3 A / 250 Vac

STANDARD

Approvals	CE
Norms	EN 60950, EN 301511, EN 301 489-7, EN 301489-1

A CONCENTRATE OF TECHNOLOGY AND DESIGN

On-Off button

Micro USB Port (reserved)

MMCX Port
Optional external GPS antenna connection

Display LCD
Visualization status, I/O, battery level, GSM

Built-in IO terminals
• 4 digital inputs reed, pnp, pulscap, relay
• 2 analog inputs 0..20mA / 0..3V, 16 bit resolution, accuracy 0,1%.
• 2 digital relay outputs SPST 3A / 250 Vac (optional)

IP66 external case
(Option)

Antenna and GSM/GPRS modem
Quad band (850/900/1800/1900 MHz)

"Scroll display" button

External gps module
(Option)

SIM slot
25x15mm standard slot for data SIM or voice/ data SIM

MicroSD card slot
Firmware and APN instructions updates

Rechargeable battery
3,7 V 1100 mAh Lithium, 5h lifetime

12V power supply

Power supply cable
230V power socket

NTC Sensor probe
External connection

DIMENSION

108 mm

80 mm

8 mm

32 mm

SIM card

SD card

PWR

ANTENNA

SCR

MYALARM3 CLOUD

EQUIPMENT

Included with MyALARM3 Cloud
1) MyALARM3 Cloud unit, **2**) Quick Start Guide,
3) 12V power supply, **4**) GSM/GPRS stylus antenna with SMA connector,
5) Micro SD card, **6**) Docking system, **7**) V-SIM card.

ORDER CODES

VERSIONS / OPTION	CODE			DESCRIPTION
Base unit	MY3CLOUD			Cloud based GSM/GPRS remote alarm unit
SPST relay		-0		Relay board not present
		-R		Relay board present
Reserved slot			-0	Non-modified
GPS				-0 GPS module not present
				-G GPS module present
Colors				-G Grey color

ACCESSORIES	
CODE	DESCRIPTION
A-GPS	External GPS antenna with magnetic base and MMCX connection
A-GSM	External multi-band antenna with 3 m cable and SMA male connector
A.GSM-DIR-5M	Compact directional antenna GSM-DECT-UMTS
A-GSM-OMNIDIR	Omnidirectional GSM-UMTS-WIFI Antenna
A-GSM-OMNiDIR-10	Omnidirectional GSM-UMTS-WIFI antenna with 10 m cable length
ALIM-MY2	Replacement power supply
BATT-MY2	Replacement battery
CU-A-MICRO-B	USB-A Micro USB-B 5 P plug cable
MSD	MicroSD card with SD adapter
MY2-KITIP66	ABS IP66 Kit for quick mounting in the field
NTC-150	External NTC probe 1,5 m

SERVICES AND SOFTWARES	
CODE	DESCRIPTION
MY3C-1Y	Cloud service renewal 12 months
MyAlarm3 Cloud app	Management app for iOS 11.0 or later, Android 4.4 or later, and web

ACCESSORIES

A-GSM

External GSM dual band antenna, cable 3.2 m

A-GSM-DIR- 5M

GSM/UMTS triband directional antenna, 5m cable, SMA

A-GSM-OMNIDIR

GSM-UMTS-WIFI omnidirectional antenna

A-GSM-QUAD-N

High performance GSM quadband antenna

A-GPS

External GPS antenna with magnetic base

FD01

Photodetector for pulse counting

MY2-KITIP66

ABS kit for quick mounting with IP66 protection rating for field applications

NTC-150

External NTC probe 1.5 m