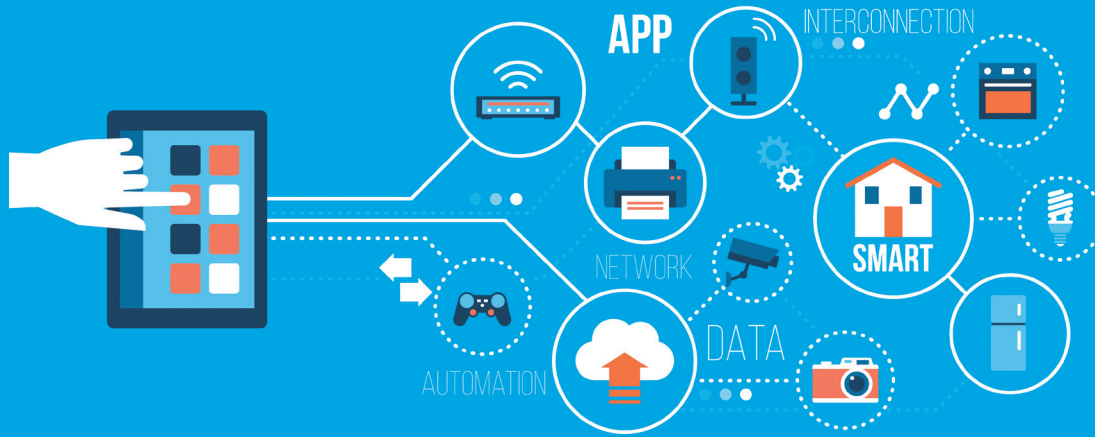# REMOTE ALARM
UNITS

B-ALARM | MYALARM2 | MYALARM3 CLOUD

2G 4G

SENECA

OVERVIEW

SENECA remote alarm and data logging devices are designed to remotely control, monitor and implement small automations for homes, buildings, systems and production machines through simple commands sent with SMS messages. With any mobile phone or smartphone, it is possible to control the switching on and off of a technical system, to activate a contact and to receive an anomaly or an alarm. These professional and universal devices are easily programmable and are based on a2G (GSM/GPRS) or 4G /LTE module that runs as a telephone communicator managing calls, commands, directories and data archiving.

PRODUCT RANGE

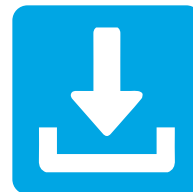| **B-ALARM** | **MY2B** **MYALARM3 BASE** | **MY2S** **MYALARM2** **SECURITY** | **MY2G** **MYALARM2 GPS** | **MYALARM3 CLOUD** |

VERSATILITY AND MULTIFUNCTIONALITY

Remote control of unattended sites

Flexible configuration

Automatic sending of commands, data, alarms with push / SMS notifications

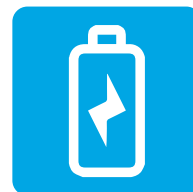**Built-in Modem and I/O**

Integrated temperature sensor

Alarm and real-time signals management

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

Temperature threshold contacts opening closing (HVAC Systems)

Rechargeable Li-Ion battery

Optional GPS module

APPLICATIONS

|	B-ALARM	MYALARM2 MY2B	MYALARM2 MY2S	MYALARM2 MY2G	MYALARM3 CLOUD
HOME & BUILDING AUTOMATION					
Universal remote control (gates, boilers, HVAC systems etc.)	x	x	x	x	x
Smart thermostat	x	x	x	x	x
Lighting control and lighting systems	x	x	x	x	x
Access and attendance control	x	x	x	x	x
Anti-flooding system	x	x	x	x	x
Astronomical twilight switch		x	x	x	x
ENERGY MONITORING					
Mains voltage control and power failure management	x	x	x	x	x
AUTOMATION AND REMOTE CONTROL					
Remote alarm and remote control of systems	x	x	x	x	x
Water network alarm management	x	x	x	x	
Photovoltaic system production control (from photodiode)	x	x	x	x	
Optical fibre continuity check	x	x	x	x	
System measurements control (temperature, flow rate, level, etc.)		x	x	x	
Water leaks control		x	x	x	
Pump and motor control (logics and operating hours)		x	x	x	x
Automatic irrigation system		x	x	x	x
Events datalogger and recorder		x	x	x	
Cold chain monitoring		x	x	x	
SAFETY					
Telephone dialler			x	x	
Commands with DTMF tones			x	x	
Automatic sending of commands and alarm push notifications					x
GEOLOCALISATION					
Geolocation of machinery, vehicles, boats				x	(x opt.)
Virtual fence control				x	(x opt.)
iOS / Android MOBILE APPS					
Custom applications via widgets					x

REMOTE ALARM UNITS

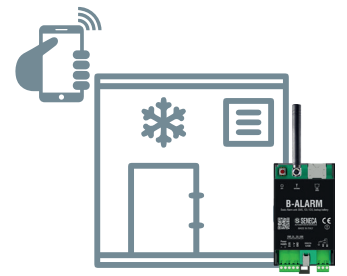## SCENARIOS

AUTOMATIC BARRIER CONTROL
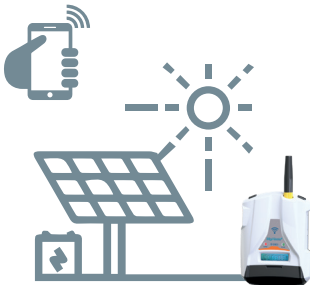
BOILERS & HVAC SYSTEMS CONTROL
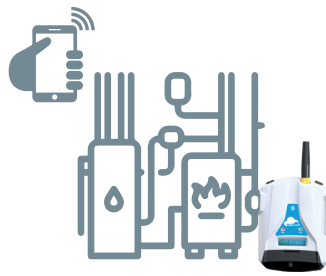
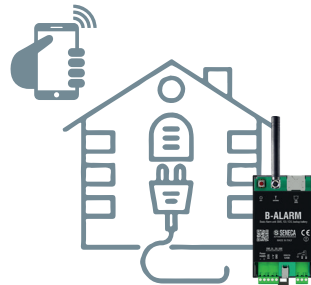### WATER CONSUMPTION AND LEAKAGE CONTROL
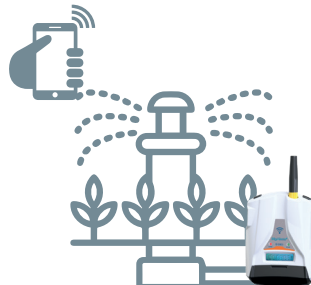
COLD STORAGE MONITORING

SOLAR PANELS CONTROL

LINE VOLTAGE CONTROL

AUTOMATIC IRRIGATION SYSTEM

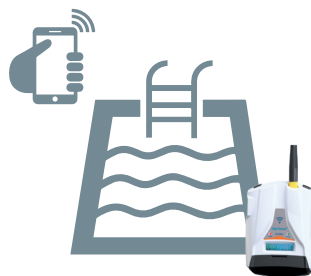### TRACKING OF VEHICLES AND FLEETS

ANTI-FLOOD SYSTEMS

LIGHTS CONTROL

POOL CONTROL
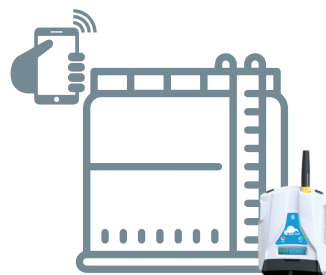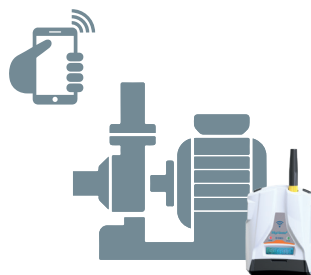
ACCESS CONTROL

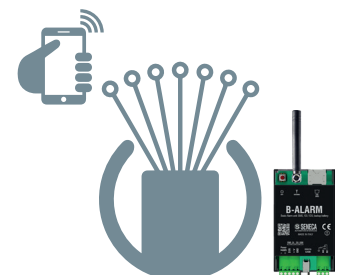### REMOTE CONTROL SYSTEM MEASUREMENTS

PLANT ALARM MANAGEMENT

PUMPS AND MOTORS CONTROL

FIBER OPTIC CONTINUITY CONTROL

SCHEDULING

B-ALARM

EASY SETUP (BASIC CONFIGURATION)
I/O management, acquisition time, commands, alarms, SIM, GSM communication, administration functions (password, credit, message redirection, etc.)

SMS COMMANDS OR RINGS

MYALARM2 (MY2B, MY2S, MY2G)

EASY MYALARM2
I/O management, acquisition time, log, commands, alarms, SIM, GSM communication, audio files, administration functions (password, credit, message redirection, etc.)

LOG FACTORY
Log file visualization and archiving
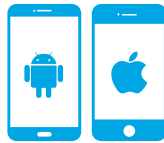
SMS SENECA
Android / iOS APP for the sending and customisation of SMS controls

SENECA TEMP
Android APP for thermostat temperature and function management

SMS COMMANDS OR RINGS

MYALARM3 CLOUD
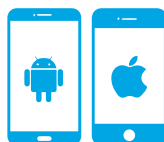
MYALARM3 CLOUD
Free mobile application available on Apple or Play store.
This powerful app in 10 languages allows advanced yet simple system configuration. It integrates tutorials, manuals and online help.

MYALARM3 CLOUD (SERVICE)
The MyAlarm3 Cloud Kit includes a 12-month fee from the date of first activation. For information and service renewal costs, please visit:
www.seneca.it/myalarm3cloud
https://cloud.seneca.it

B-ALARM
Basic Alarm Unit

B-ALARM is a GSM device designed for the remote alarm management of homes, buildings, systems and production machines through simple commands sent with messages in SMS format. With any smartphone it is possible to control the switching on and off of the boiler, activate a contact, etc. The device is equipped internally with a GSM module which behaves like any telephone terminal on a cellular network. The unit is used to operate with zero-cost commands via ring as well as with fast commands with numeric code and timed commands. It also has 1 digital input and Nr. 1 SPDT output relay with 3 A / 250 Vac capacity. B-ALARM uses a command directory of 5 users and a SIM phone book extended to up to 250 users.

HIGHLIGHTS

ALARM INSTANT MESSAGING

MULTILINGUAL SUPPORT UNICODE

視

BUILT-IN MODEM AND I/O

SMS / RING COMMANDS AT NO COST

ADDRESS BOOK FOR UP TO 250 USERS PER APPLICATION

RECHARGEABLE LI-ON BATTERY

COMPATIBLE WITH ALL TYPES OF STANDARD VOICE/DATA SIMS

SIM

E-TIMER COUNTER MANAGEMENT

Power button

SMA antenna connector

Nr..1 Slot push pull
for mini SIM card

Mounting on wall or on DIN rail - (IEC EN 60715)

B-ALARM
Basic Alarm unit: SMS, 1DI, 1DO, backup battery

SENECA
AUTOMATION INTERFACES
MADE IN ITALY
CE

LED status indicators

GSM quad band
850 / 900 / 1800 /1900 MHz

PWR DI DO GSM

Power supply
- +

DIN

V +
GND

micro
USB

NO C NC

10..28 Vdc power supply
600 mAh NiMh rechargeable spare battery, lifetime 1 h
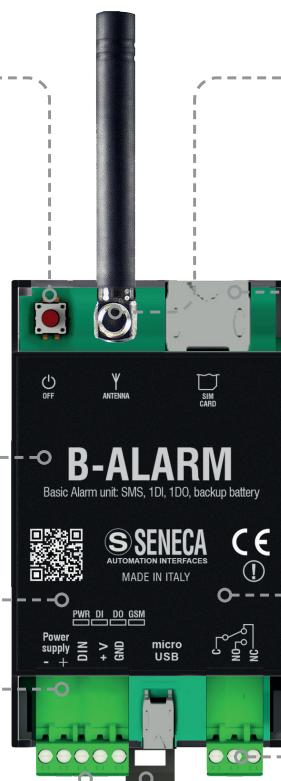
Nr..1 digital relay output
SPDT 2A – 250V

No.1 Reed digital input
Reed, contact, NPN / PNP 2 wires, FD01 5Hz

USB Micro
for upgrade and configuration

MYALARM2
A concentrate of technologies

MyALARM2 BASE (MY2B) is 2G (GSM/GPRS) or 4G /LTE device designed to remotely control homes, buildings, systems and production machines through simple commands sent with messages in SMS format. The device is also able to send alarms, SMS/emails in case of anomalies on inputs, power failure, temperature thresholds exceeded. It also ensures the recording of all variables on MicroSD and the sending of log files via email or ftp. MyALARM2 SECURITY AUDIO (MY2S) can also send voice calls and receive commands via DTMF tones, including the silencing of alarms. The MyALARM2 GPS (MY2G) version integrates a number of geolocation functions and allows the setting of alarms on virtual fence and speed.

FAST SELECTION

	MYALARM2 - MY2B	MYALARM2 - MY2S	MYALARM2 - MY2G
SD card bundle	No	Yes	Yes
Integrated NTC sensor	Yes, External optional	Yes, External optional	Yes, External optional
I/O	4DI, 2AI, 2DO (optional)	4DI, 2AI, 2DO (optional)	4DI, 2AI, 2DO (optional)
Integrated GPS	No	No	Yes
Datalogger	Yes	Yes	Yes
Pre-set scenarios	Yes	Yes	Yes
DTMF Commands / Voice alarms	No	Yes	Yes
Email management	Yes	Yes	Yes
List	20 SMS contacts, 20 email contacts, 1000 ring command contacts	20 SMS contacts, 20 email contacts, 1000 ring command contacts	20 SMS contacts, 20 email contacts, 1000 ring command contacts

2G (GSM/GPRS) or 4G /LTE Communication
Integrated GSM/GPRS Quadband 850/900/1800/1900 MHz 4G / LTE-FDD B1/B3/B5/B7/B8/B20 built-in modem

Power button

Quick programming mini USB interface

GPS module (My2G version)
22 channel receiver, -165 dBm, fix time 32s, accuracy up to 2.5m

LCD display
128 x 32 pixel LCD display for I/O status display, totalisers / counters, GSM, date

Data acquisition
#4 Digital Inputs: Max Freq. 30 Hz @ 32 bit [10 timer, 4 counters, 4 totalisers, 4 hour counters]
#2 Analog Inputs: Range (0-20 mA, 0-30 V), 16 bit resolution
#2 Digital Outputs: SPST 3 A Relay (opt.)

Compact dimension
MyALARM2: 80 x 105 x 30 mm
IP66 case (MY2-KITIP66): 130 x 180 x 75 mm

"SCROLL DISPLAY" button

Data/Voice SIM port

Integrated and expandable memory
SD Slot for micro SD and microSDHC up to 32GB Integrated Flash Memory

Rechargeable spare battery
(Li-On, 1.000 mAh, max autonomy 8 h)

12 V Power Supply

NTC sensor
wired on terminal

MYALARM3 CLOUD
The Cloud at your fingertips

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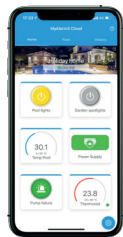
SYSTEM CONFIGURATION

1. CONTROL UNIT
Monitoring unit GSM/GPRS including 4 digital inputs, 2 analog inputs, 2 digital outputs, LCD display, temperature sensor, input for external NTC sensor, battery, GPS module (optional).

2. ANDROID/iOS APP
Free mobile application MyALARM3 Cloud available on Apple or Play store. This powerful app in 10 languages allows advanced yet simple system configuration. It integrates tutorials, manuals and online help.

3. CLOUD SERVICE
The MyAlarm3 Cloud Kit includes a fee that lasts for 12 months from the date of first activation. For information and costs of renewal of the service, please visit:
www.seneca.it/myalarm3cloud
https://cloud.seneca.it

Radio module
for connection with wireless sensors (Optional)

Power button

Quick programming mini USB interface

LCD Display
128 x 32 Dots
(display of statuses/ I/O, battery level, GSM)

Built-in I/O terminals
- 4 digital inputs REED Contact, PNP, Pulscap, relay (max frequency
- 2 analog inputs Current 0..20 mA, 0..30 V; 16 bit resolution; Accuracy 0.1% f.s.
- 2 digital outputs Relay SPST 3 A / 250 Vac (Optional)

IP66 external case
(Optional)

GSM/GPRS antenna and modem
integrated quad bands

"Scroll display" button

Internal GPS module
(Optional)

Voice/data SIM slot

SD Memory card

Li-ion rechargeable battery
3,7 V -1100 mAh, autonomy up to 5 h

12 V Power Supply

Power cable
on 230V socket

NTC temperature probe 5 cm

MYALARM3 CLOUD
The most powerful and easiest app for system monitoring

My3 Cloud
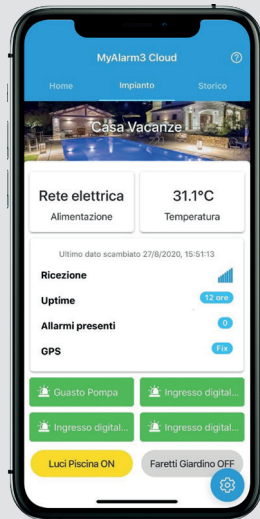
Download on the App Store
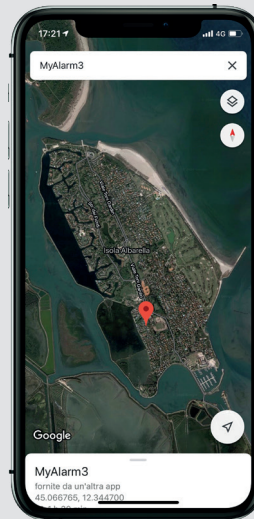GET IT ON Google Play

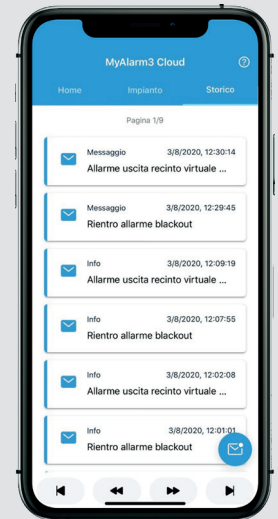## ADVANCED CONFIGURATION

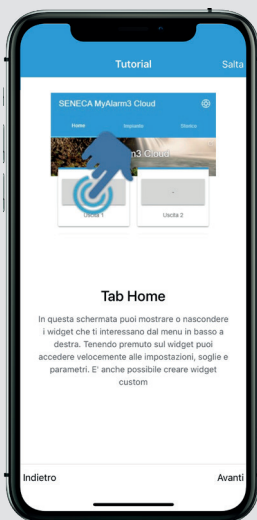## MANAGEMENT OF ALARMS AND COMMANDS
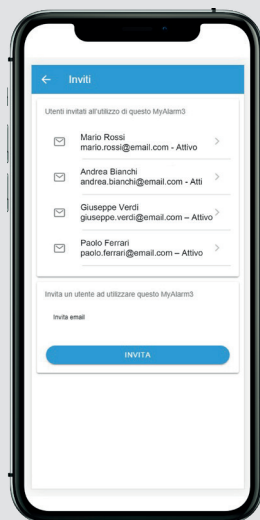

GEOLOCALIZATION

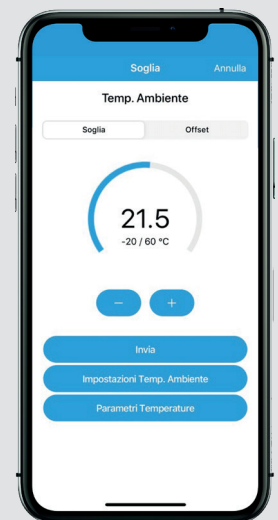
ALARMS AND EVENTS LOG

TUTORIALS AND ONLINE SUPPORT

MANAGEMENT OF DEVICES AND INVITATIONS

CALENDAR AND SCHEDULING

THERMOSTAT FUNCTION

REMOTE ALARM UNITS

TECHNICAL DATA

	B-ALARM	MYALARM2 - MY2B	MYALARM2 - MY2G	MYALARM2 - MY2S	MYALARM3 CLOUD
	1DI / 1DO remote alarm unit with basic functions	Datalogger unit and GSM/GPRS remote alarm, basic version	Datalogger unit and GSM/GPRS remote alarm, GPS locator	Datalogger and remote alarm Unit Security Audio version	GSM/GPRS device for remote alarm and remote control
GENERAL DATA					
Power supply	10-30 Vdc	6-15 Vdc	6-15 Vdc	6-15 Vdc	6-15 Vdc
Consumption	Typical 1.2 W, Max 2 W	3.5 W (max)	3.5 W (max)	3.5 W (max)	3.5 W (max)
Protection degree	IP20	IP20	IP20	IP20	LED status indicators
Rechargeable battery	Ni-MH rechargeable battery, autonomy up to 100 minutes	Li-ION (1,100 mAh), autonomy up to 8 hours (without auxiliary relay)	Li-ION (1,100 mAh), autonomy up to 8 hours (without auxiliary relay)	Li-ION (1,100 mAh), autonomy up to 8 hours (without auxiliary relay)	Li-ION 3.7 V (1.100 mAh), autonomy up to 5 hours
SD support	-	Push-Push for SD card and SD HC card / max 32GB	Push-Push for SD card and SD HC card / max 32GB	Push-Push for SD card and SD HC card / max 32GB	Push-Push for SD card and SD HC card / max 32GB
Slot SIM	Push-Push for mini SIM (15 x 25 mm)	Push-Push for mini SIM (15 x 25 mm)	Push-Push for mini SIM (15 x 25 mm)	Push-Push for mini SIM (15 x 25 mm)	Push-Push for mini SIM (15 x 25 mm)
SIM supported		SIM mini	SIM mini	SIM mini	SIM mini
Temperature probe		Internal NTC thermistor (standard), optional external	Internal NTC thermistor (standard), optional external	Internal NTC thermistor (standard), optional external	Internal NTC thermistor (standard), optional external
Protocols	SMS	FTP client, SMTP client, SMTPS with SSL client	FTP client, SMTP client, SMTPS with SSL client	FTP client, SMTP client, SMTPS with SSL client	SMS, FTP client, SMTP client, SMTPS with SSL client
Display	No	LCD 128x32 Dots with visible area 39 mm x 8.6 mm Display scroll button	LCD 128x32 Dots with visible area 39 mm x 8.6 mm Display scroll button	LCD 128x32 Dots with visible area 39 mm x 8.6 mm Display scroll button	LCD 128x32 Dots with visible area 39 mm x 8.6 mm Display scroll button
Modem	Quad band (850 / 900 / 1800 / 1900 MHz)	Quad band 850 / 900 / 1800 / 1900 MHz	LTE-FDD B1/B3/B5/B7/B8/B20 or GSM/GPRS/EDGE 900/1800 MHz	LTE-FDD B1/B3/B5/B7/B8/B20 or GSM/GPRS/EDGE 900/1800 MHz	Quad band 850 / 900 / 1800 / 1900 MHz
GPS	-	-	22-channel receiver Sensitivity -165 dBm Typical fix time 32 s Accuracy Up to 2.5m	-	22-channel receiver Sensitivity -165 dBm Typical fix time 32 s Accuracy Up to 2.5m
Dimension	114 x 54 x 32 mm	80 x 105 x 30 mm	80 x 105 x 30 mm	80 x 105 x 30 mm	80 x 105 x 30 mm
Weight		150 g	150 g	150 g	150 g
Operating temperature	-10..+55°C	0..45°C (recommended) -20..+55°C (with power supply) -20..+45°C (in discharge)	0..45°C (recommended) -20 .. 55 ° C (with power supply) -20..+45°C (in discharge)	0..45°C (recommended) -20..+55°C (with power supply) -20..+45°C (in discharge)	0..45°C (recommended) -20..+55°C (with power supply) -20..+45°C (in discharge)
Material	ABS polycarbonate	ABS polycarbonate	ABS polycarbonate	ABS polycarbonate	ABS polycarbonate
Installation	DIN Rail or wall	DIN Rail or wall	DIN Rail or wall	DIN Rail or wall	DIN Rail or wall
FUNCTIONS AND SETTINGS					
Datalogger	-	Yes	Yes	Yes	-
Basic configuration	Software (EASY SETUP)	Software (EASY MYALARM2)	Software (EASY MYALARM2)	Software (EASY MYALARM2)	Web or Mobile App (MyALARM3 CLOUD)
Management app	-	SENECA Temp	SENECA Temp	SENECA Temp	MyALARM3 Cloud
Cloud Service	-	-	-	-	12 months free from activation
Scenario / widget management	-	Advanced automations, alarms on inputs, data loggers, leak control. control of solar panels, control of swimming pools, control of automatic gates, timed automations, hour counter, boiler control, power failure control	Advanced automations, alarms on inputs, data loggers, leak control. control of solar panels, control of swimming pools, control of automatic gates, timed automations, hour counter, boiler control, power failure control	Advanced automations, alarms on inputs, data loggers, leak control. control of solar panels, control of swimming pools, control of automatic gates, timed automations, hour counter, boiler control, power failure control	Electrical network, temperature, GSM / GPRS network, GPS, alarms present, uptime, I/O management MAX/MIN analog threshold, counter threshold, digital input/output, GPS fence, power failure, sunrise and sunset, MIN/MAX temperature, command of your choice
Alarms management	Commands / SMS Alarms / Call	Commands / SMS Alarms / Call	Commands / SMS Alarms / Call	SMS commands / alarms / ring, DTMF commands, voice alarms	Blackout, digital, impulsive, timed, twilight contacts, counters, min/max analog thresholds, motorised user control, virtual GPS fence
Email management	No	Yes	Yes	Yes	-
History					Log of alarms, events, calendar
List	5 users (1 administrator), 250 contacts	1000 users (1 administrator), 250 contacts	1000 users (1 administrator), 250 contacts	1000 users (1 administrator), 250 contacts	-
Fast / timed commands	Yes	Yes	Yes	Yes	
Management of counters and timers	4 counters	4 counters, 10 timers	4 counters, 10 timers	4 counters, 10 timers	4 counters
DIGITAL INPUTS					
Channels	1	4	4	4	4
Type	Contact, voltage 6-24 V	Reed, Contact, PNP, Pulscap	Reed, Contact, PNP, Pulscap	Reed, Contact, PNP, Pulscap	REED Contact, PNP, Pulscap, relay
Max. frequency	-	30 Hz	30 Hz	30 Hz	30 Hz
ANALOG INPUTS					
Channels	-	2	2	2	2
Type	-	Current 0..20 mA (max impedance 60 Ω); voltage 0..30 V (max impedance 100 kΩ)	Current 0..20 mA (max impedance 60 Ω); voltage 0..30 V (max impedance 100 kΩ)	Current 0..20 mA (max impedance 60 Ω); voltage 0..30 V (max impedance 100 kΩ)	Current 0..20 mA (max impedance 60 Ω); voltage 0..30 V (max impedance 100 kΩ)
Resolution	-	16 bit	16 bit	16 bit	16 bit
Accuracy	-	0.1% f.s.	0.1% f.s.	0.1% f.s.	0.1% f.s.
DIGITAL OUTPUTS					
Channels	1	2 (optional)	2 (optional)	2 (optional)	2
Type	Relay SPDT 3 A / 250 Vac	Relay SPST 3 A / 250 Vac	Relay SPST 3 A / 250 Vac	Relay SPST 3 A / 250 Vac	Relay SPST 3 A / 250 Vac
STANDARD					
Certification	EC	EC	EC	EC	EC

The technical data and the diagrams in this document are indicative and not binding.

PRODUCT CONFIGURATION

B-ALARM

- **Power supply 10..28Vdc**
- **NiMh 600 mAh spare battery**
- **Nr. 1 Reed digital input, contact, NPN / PNP 2 wires, FD01 5Hz**
- **Nr.1 digital relay output SPDT 2A - 250V**
- **Nr.1 USB micro port**
- **Quad band GSM modem**

ORDER CODES

Codes	Description
B-ALARM	Basic Alarm Unit, 1DI, 1DO, SMS, backup battery

MYALARM2

- **12 V Power Supply**
- **Li-On battery, 1,000 mAh, max 8 h autonomy**
- **Nr.4 Digital Inputs: Max Freq. 30 Hz @ 32 bit [10 timers, 4 counters, 4 totalisers, 4 hour counters]**
- **Nr.2 Analog Inputs: Range (0-20 mA, 0-30 V), resolution 16 bits**
- **Nr.2 Digital Outputs: SPST 3 A Relay (opt.)**
- **Nr.1 USB micro port**
- **Quad band 2G/4G modem, optional GPS**

ORDER CODES

Versions / Options		Code				Description
Base unit	MY2B					MYALARM2 BASE / DATALOGGER
	MY2S					MYALARM2 SECURITY AUDIO
	MY2G					MYALARM2 GPS
Modem		L				4G / LTE (only for MY2G and MY2S version)
SPST Relay Card			-0			None
			-R			Present
Prepared for other connections			-0			None
Connection system				-C		Connectors
				-M		Terminals
Colours					-B	Blue
					-G	Grey
IP66 housing (option)					-4X	IP66 enclosure, electrically insulated, with openable front door

MYALARM3 CLOUD

- **12 V Power Supply**
- **1100 mAh rechargeable battery, autonomy up to 5h**
- **Nr.4 digital inputs REED Contact, PNP, Pulscap, relay**
- **Nr.2 analog inputs Current 0..20 mA, 0..30 V;**
- **16 bit resolution; Accuracy 0.1% f.s.**
- **Nr. 1 digital outputs Relay SPST 3 A / 250 Vac (opt.)**
- **Quad Band modem**

ORDER CODES

Versions / Options		Code			Description
Base unit	MY3CLOUD				Cloud based GSM/GPRS remote alarm unit
SPST relay card		-0			Relay board absent
		-R			Relay board present
Preparation for other functions			-0		Not active
GPS module				-0	GPS module absent
				-G	GPS module present
Colours				-G	Grey colour

ACCESSORIES

Code	Description
A-GPS	External GPS antenna with magnetic base and MMCX connection
A-GSM	Multiband external antenna with 3 m cable and male SMA connection
A-GSM-DIR-5M	Compact GSM-UMTS directional antenna
A-GSM-OMNiDIR	Omnidirectional GSM-UMTS-WIFI antenna
A-GSM-OMNiDIR-10	Omnidirectional GSM-UMTS-WIFI antenna with 10m cable length
ALIM-MY2	Replacement power supply unit
BATT-MY2	Replacement battery
CU-A-MICRO-B	Cable plug USB-A Micro USB-B 5 P
MSD	MicroSD Card with SD adapter
MY2-KITIP66	IP66 ABS kit for quick installation in the field
NTC-150	External NTC probe 1.5 m

CONTACT AND INFORMATION

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