

Mobilfunk-Alarm-Modems ...

für Haus & Gebäudeanwendungen, Industrieanlagen und Maschinen.

Mobilfunk-Alarm-Modem MyALARM2 BASIS (MY2B)

MyALARM2 BASIS (MY2B) ist ein Mobilfunk-Alarm-Modem für Haus & Gebäudeanwendungen, Industrieanlagen und Maschinen und kann durch einfache Befehle, die per SMS, Telefonanruf oder E-mail gesteuert werden. Es funktioniert mit jedem Mobiltelefon oder Smartphone. Mit MyAlarm2 ist es möglich, z.B. einen Heizkessel ein-/auszuschalten, einen Kontakt ein-/auszuschalten usw. Das Gerät hat ein GSM / GPRS-Modul das wie ein Telefonterminal in jedem Mobilfunknetz funktioniert.

Die Basis-Version umfasst NTC-Sensor, 4DI, 2AI, 2DO (optional) und Datenlogger-Funktionen. Das Gerät kann Befehle per SMS oder Klingelton (dabei entstehen keine Telefonkosten) empfangen, Aktions- oder Alarmbenachrichtigungen per SMS oder E-mail senden und Protokolle per FTP oder E-Mail versenden.

Sie können mit MyAlarm2 auch mit zeitgesteuerten Befehlen über jedes GSM-Telefon/Gerät oder Smartphone interagieren. Für Apple- und Android-Geräte ist die SENECA SMS-App verfügbar. Diese App bietet Schaltflächen, die das Senden von String-Befehlen und deren Anpassung über vordefinierte Vorlagen erleichtern.



Mobilfunk-Alarm-Modems ...

für Haus & Gebäudeanwendungen, Industrieanlagen und Maschinen.

BASIS (MY2B)

- GSM/GPRS-Kommunikation
- Datenlogger
- Datenübertragung auf externe SD-Karte (max 32GB)
- Integrierte LiPo-Batterie
- Eingebauter Temperatursensor
- E-Mail- und SMS-Alarm Nachrichten
- Versenden von .csv-Dateien per E-Mail / FTP
- Befehle über SMS, Klingeltöne
- Einstellung über Software, SMS, APP
- Visualisierungstool für gleichzeitige Mehrspur-Aufzeichnung
- 4x digitale Eingänge
- 2x analoge Eingänge
- 2x SPST-Relaisausgänge (Optional)
- Anwendungen: Steuerung von Heizungsanlagen, Steuerung von automatischen Toren, Steuerung von Bewässerungsanlagen, zeitgesteuerte Automatisierungen, Temperaturerfassung, Energieverbrauchsüberwachung, Überwachung von Gaslecks, Blackout-Steuerung

SECURITY AUDIO (MY2S)

MyALARM2 SECURITY AUDIO (MY2S) ist ein Mobilfunk-Alarm-Modem, das eigenständig oder als Erweiterung für Diebstahl- und Einbruchsicherungssysteme genutzt werden kann, da es einfach zu installieren und zu konfigurieren ist. MY2S ermöglicht den Versand von SMS- oder Sprachalarm Alarmmeldungen (mit SIM Voice) sowie Schnellbefehle und Quittierung von Alarmen über DTMF-Töne.

- Basisfunktionen des MY2B
- Alarme über mehrsprachige Audiomeldungen
- Befehle über DTMF-Töne
- Geliefert mit Micro SD-Karte
- Erweiterung Diebstahlschutzsysteme
- Bis zu 10 Wochenpläne und 83 Alarme
- Anwendungen: Zugangskontrolle, domotische Anlagensteuerung

Mobilfunk-Alarm-Modems ...

für Haus & Gebäudeanwendungen, Industrieanlagen und Maschinen.

GPS (MY2G)

MyALARM2 GPS (MY2G) verfügt gegenüber der Standardversion von MY2 zusätzlich GPS-Ortungsfunktionen. MY2G ermöglicht die Einstellung von virtuellen Zaun- (Geo-Fence) und Geschwindigkeitsalarmen, sowie die Aktivierung der Tracker "Funktion". MyALARM2 kann Ihre GPS-Position übermitteln, für die Lokalisierung von mobilen Fahrzeugen wie Autos und Booten.

- Basisfunktionen MY2B
- Integriertes GPS
- Tracking-Funktion
- Alarm bei virtuellem Zaun (Geo-Fence) und Geschwindigkeit
- GPS-Lokalisierung mit Link für Google Maps
- Geliefert mit Micro SD Karte
- Anwendungen: Lokalisierung von Fahrzeugen und Booten, Einschalten des Lichts entsprechend der Dämmerungsfunktion.

Übersicht Mobilfunk-Alarm-Modems MyALARM2

GSM/GPRS Kommunikation

Integriertes GSM/GPRS Quadband 850/900/1800/1900 MHz Modem, Kommunikation über SMS, E-Mail, FTP

Einschalttaste

USB-Konfigurationsschnittstelle

GPS-Modul (bei MY2G)

22-Kanal-Empfänger, -165 dBm, Fixzeit 32s, Genauigkeit bis zu 2,5m

LCD-Display

128 x 32 Pixel LCD-Display für E/A-Statusanzeige, Zähler / Summenzähler, GSM, Datum

Datenerfassung

4x digitaler Eingang: Max Freq 30 Hz @ 32 bit (10 Timer, 4 Zähler, 4 Totalisatoren, 4 Stundenzähler)
2x analoger Eingang: Bereich (0-20mA, 0-30 V), 16 Bit Auflösung
2x digitaler Eingang: SPST 3 A Relais (optional)

Kompakte Bauform

80 x 105 x 30 mm

Knopf für Bildlaufanzeige

Daten / Sprach SIM-Kartenslot

Integrierter und erweiterbarer Speicher

Integrierter Flash-Speicher
SD-Kartenslot für microSD und microSDHC bis 32 GB

Integrierter Akku

Li-On, 1.000 mAh, max Autonomie 8 h

Spannungsversorgung 12V

NTC-Sensor

Verdrahtet auf Terminal

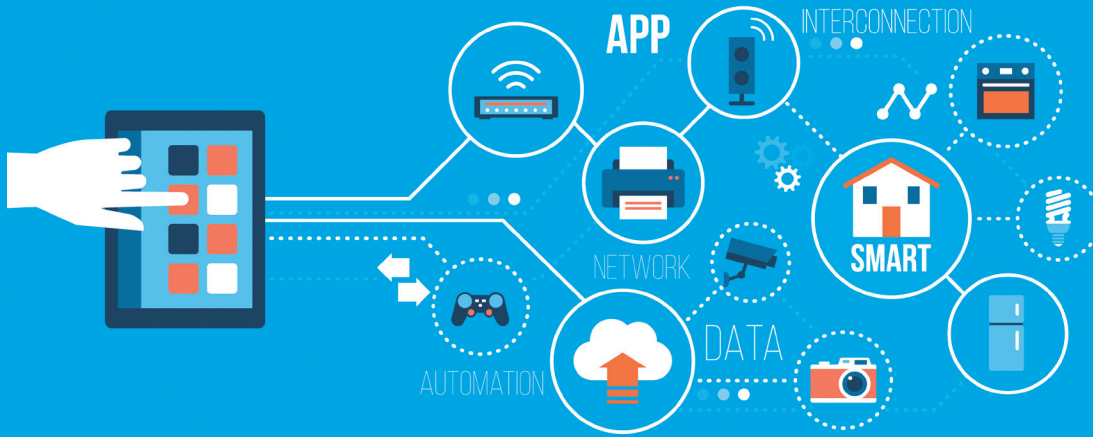


	Basis-Funktionen	Befehle über DTMF Töne	Geliefert mit Micro SD-Karte	Audio Nachrichten	Integriertes GPS
MY2B	X				
MY2S	X	X	X	X	
MY2G	X		X	X	X

REMOTE ALARM UNIT



REMOTE ALARM UNIT



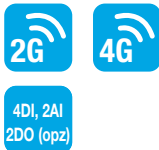
OVERVIEW

SENECA's remote alarm and data collection devices are designed to remotely manage, monitor, and implement small automations for homes, buildings, plants, and production machines through simple commands sent with messages in SMS format or through an app. With any cell phone or smartphone, it is possible to command the switching on and off of a technical system, activate a contact, receive a report of an anomaly or alarm. These professional and universal devices are easily programmable and are based on a 2G (GSM/GPRS) or 4G /LTE or Wi-Fi module that acts as a communication system that can intelligently manage calls, commands, address books, and data storage.

THE RANGE



MYALARM2 BASE



MYALARM2 SECURITY AUDIO



MYALARM2 GPS



MyALARM3 Cloud



MyALARM3 Cloud W-AIR



VERSATILITY AND MULTIFUNCTIONALITY



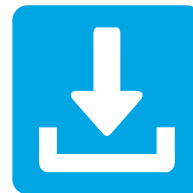
Remote control
unmanned sites



Flexible
configuration



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



2G/4G/Wi-Fi and
integrated I/O



Built-in
temperature
sensor



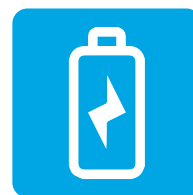
Real-time alerts
and alarm
management



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



Opening / Closing
contacts thresholds
of temperature (HVAC
Systems)



Rechargeable
Li-Ion Battery



Optional GPS
module



APPLICATIONS

	MYALARM2 MY2B	MYALARM2 MY2S	MYALARM2 MY2G	MYALARM3 CLOUD
HOME AUTOMATION & BUILDING				
Universal remote control (for gates, boilers, HVAC systems, etc.)	x	x	x	x
Smart thermostat	x	x	x	x
Control of lights and lighting systems	x	x	x	x
Access and presence control	x	x	x	x
Anti-flooding system	x	x	x	x
Astronomical twilight switch	x	x	x	x
ENERGY MONITORING				
Mains voltage control and blackout management	x	x	x	x
AUTOMATION AND REMOTE CONTROL				
Remote alarm and remote control of systems	x	x	x	x
Management of water mains alarms	x	x	x	
Photovoltaic system production control (by photodiode)	x	x	x	
Fiber optic continuity control	x	x	x	
System measurement control (temperature, flow rate, level, etc.)	x	x	x	
Water leak control	x	x	x	
Pump and motor control (logic and hours of operation)	x	x	x	x
Automatic irrigation system	x	x	x	x
Data logger and event recorder	x	x	x	
Cold chain monitoring	x	x	x	
SECURITY				
Telephone dialer		x	x	
DTMF tone commands		x	x	
Automatic sending of commands and alarm push notifications				x
GEOLOCALIZATION				
Geolocalization of machinery, vehicles, boats			x	(x opz.)
Virtual fence control			x	(x opz.)
MOBILE APPS iOS / ANDROID				
Customized applications via widgets				x

REMOTE ALARM UNIT

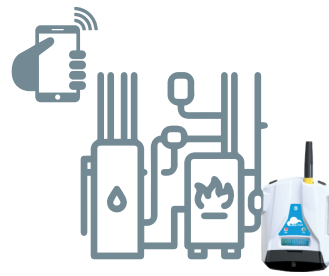


DEPLOYMENT SCENARIOS

AUTOMATIC BARRIER CONTROL



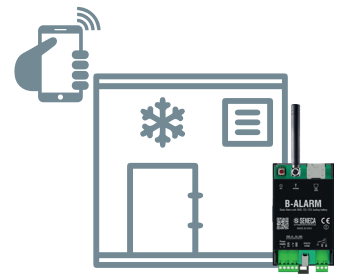
BOILER CONTROL AND HVAC SYSTEMS



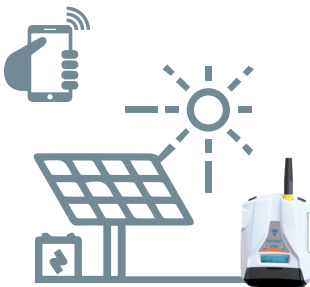
WATER CONSUMPTION AND LEAKAGE CONTROL



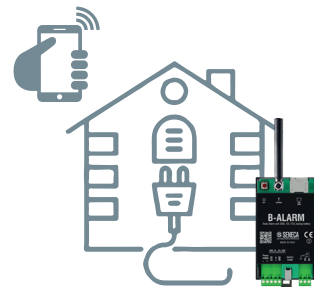
SOLAR PANEL CONTROL



SOLAR PANEL CONTROL



MAINS VOLTAGE CONTROL



AUTOMATIC IRRIGATION SYSTEMS



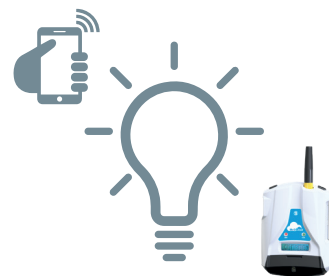
VEHICLE AND FLEET TRACKING



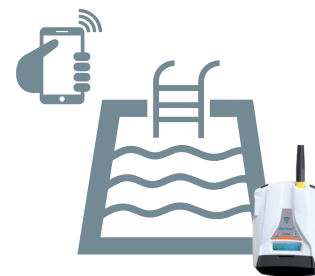
ANTI-FLOODING SYSTEMS



LIGHTS CONTROL



SWIMMING POOL CONTROL



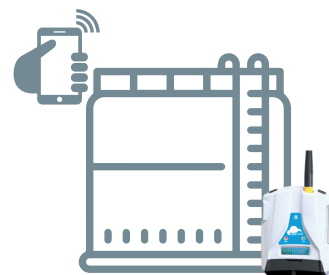
ACCESS CONTROL



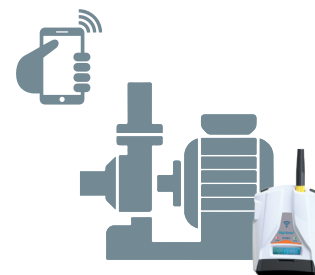
REMOTE CONTROL PLANT MEASUREMENTS



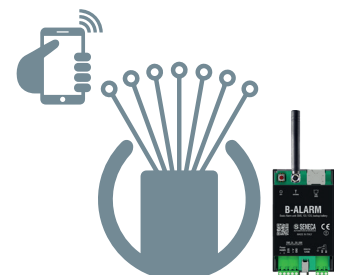
PLANT ALARM MANAGEMENT








PUMP AND MOTOR CONTROL



FIBER OPTIC CONTINUITY CHECK



CONFIGURATION AND PROGRAMMING

			MYALARM2	MYALARM3 CLOUD
EASY SETUP		I/O management, acquisition time, log (MYALARM2 only), commands, alarms, SIM, GSM communication, audio files (MYALARM2 only), administration functions (password, credit, message redirection, etc.).	✓	
SMS COMMANDS		Up to 16 different “fast” commands can be defined and selected from the list of actions. With some smartphones, SMS messages are sent with UNICODE characters instead of using the GSM alphabet.	✓	
RING		In case the unit is equipped with voice-type SIM CARD, it is possible to have “no-cost” operations performed by sending rings in response to which the units can perform will perform certain configured operations	✓	
SENECA SMS		With the iOS/Android Seneca SMS app, you can manage remote alarm units and dataloggers equipped with a GSM interface through simple SMS. The application allows you to edit i predefined templates and always with extreme ease to add one or more editable commands.	✓	
MY3 CLOUD (APP)		MyALARM3 Cloud app offers high levels of parameterization. It allows, for example, to easily set critical times for the system. The app also guides the user in interface customization.		✓

MYALARM2

A concentration of technologies



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

QUICK SELECTION

	MYALARM2 - MY2B	MYALARM2 - MY2S	MYALARM2 - MY2G
SD included	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)
Communication	GSM/GPRS	GSM/GPRS or 4G/LTE	GSM/GPRS or 4G/LTE
Integrated GPS	No	No	Yes
Data logger	Yes	Yes	Yes
Preset scenarios	Yes	Yes	Yes
DTMF commands / Voice alarms	No	Yes	Yes
Email management	Yes	Yes	Yes
Address book	20 SMS contacts, 20 e-mail contacts, 1000 ring command contacts	20 SMS contacts, 20 e-mail contacts, 1000 ring command contacts	20 SMS contacts, 20 e-mail contacts, 1000 ring command contacts

2G (GSM/GPRS) or 4G /LTE communication

GSM/GPRS Quadband 850/900/1800/1900 MHz integrated modem, 4G / LTE-FDD B1/B3/B5/B7/B8/B20

“SCROLL DISPLAY” button

Power button

Data/Voice SIM Port

Mini USB interface of rapid programming

Built-in and expandable SD memory

Micro SD slot and microSDHC up to 32 GB Built-in flash memory

GPS Module (My2G version)

Receiver 22 channels, -165 dBm, fix time 32s, accuracy up to 2.5m

LCD Display

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

Data acquisition

#4 Digital Inputs: i: Freq. Max 30 Hz @ 32 bit [10 timer, 4 counters, 4 totalizers, 4 hour meters]

#2 Analog Inputs: Range (0-20 mA, 0-30 V), 16 bit resolution

#2 Digital Outputs: SPST relay 3 A (optional).

Rechargeable buffer battery

(Li-On, 1,000 mAh, max. autonomy 8 h)

12 V power supply

Compact size

MyALARM2: 80 x 105 x 30 mm

IP66 housing (MY2-KITIP66): 130 x 180 x 75 mm

NTC sensor

wired on terminal



MYALARM3 CLOUD The Cloud at your fingertips



MyAlarm3 Cloud is a system consisting of a GSM/GPRS or 4G/LTE or Wi-Fi 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, especially for automatic data and alarm sending from unmanned sites. The app offers the main functions useful for monitoring through immediate consultation and convenient use from both Web browsers and mobile devices, enabling alarm management (in case of blackout, digital contact variation, analog input and temperature thresholds exceeded), timed, impulsive and on/off commands (lights, motors, gates, pumps, overhead, HVAC system contacts and twilight contacts), GPS (location notifications, virtual fence alarm).

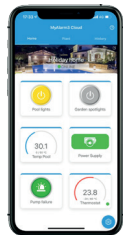
CONFIGURAZIONE DI SISTEMA

1. CENTRAL BOX.



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

2. APP iOS / ANDROID



Free MyALARM3 Cloud mobile app available on Apple or Play store. This powerful app in 10 languages advanced system configuration easy. It integrates tutorials, manuals and online help.



3. CLOUD SERVICE.



Included in the MyAlarm3 Cloud Kit is a 12-month fee from the date of first activation. For information and service renewal fees, please visit: www.seneca.it/myalarm3cloud <https://cloud.seneca.it>

Antenna and Wi-Fi module

Alternatively of GSM/GPRS module antenna.



Power button

Mini USB interface of rapid programming

LCD display

128 x 32 Dots (displaying status, I/O, battery level, GSM)

Integrated I/O terminals

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

IP66 outdoor housing

(Optional)

GSM/GPRS antenna and module

"Scroll display" button

Internal GPS module (Optional)

SIM voice/data slot

SD Memory card

Rechargeable Li-Io battery, 3.7 V -1100 mAh, autonomy up to 5 h

Power supply 12 V

Power cable

on 230V power outlet

NTC temperature probe 5 cm

MYALARM3 CLOUD

The most powerful and easy app for plant monitoring



Download on the **App Store**

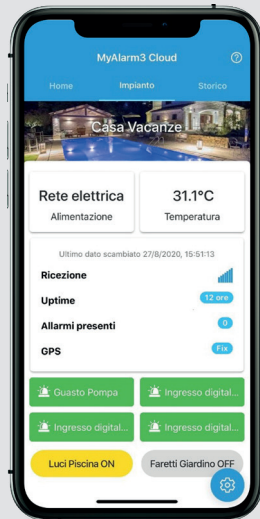
GET IT ON **Google Play**



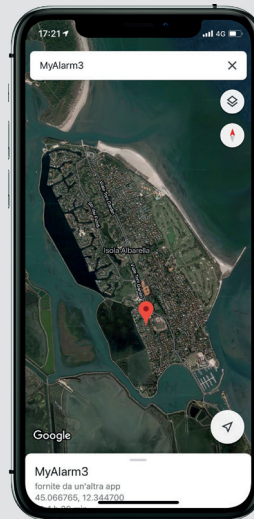
ADVANCED CONFIGURATION



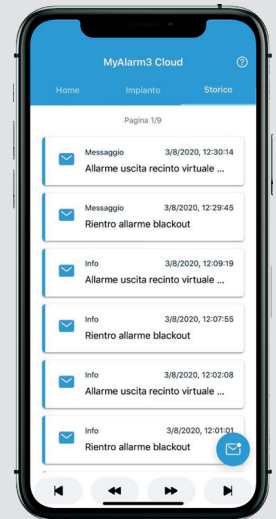
ALARM AND COMMAND MANAGEMENT



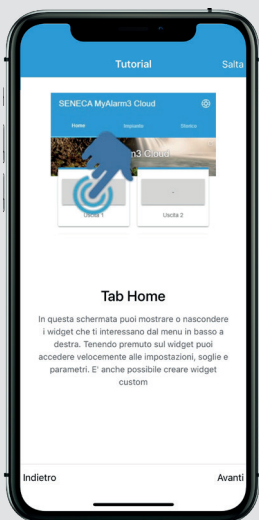
GEOLOCATION



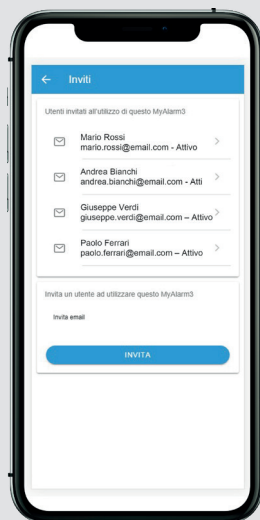
ALARM AND EVENT HISTORY



TUTORIALS AND ONLINE SUPPORT



DEVICE AND INVITATION MANAGEMENT



CALENDAR AND SCHEDULES








FUNCTION



REMOTE ALARM UNIT

TECHNICAL DATA

	MYALARM2 MY2B	MYALARM MY2S	MYALARM2 MY2G	MYALARM3 CLOUD	MYALARM3 CLOUD W-AIR
					
	Remote alarm unit 2G (4G), 4DI, 2AI 2DO (opt), basic version	Remote alarm unit 2G (4G), 4DI, 2AI 2DO (opt), security audio version	Remote alarm unit 2G (4G), 4DI, 2AI 2DO (opt), GPS version	Remote alarm unit 2G (4G), 4DI, 2AI 2DO, remote control, app based	Wi-Fi remote alarm unit, 4DI, 2AI 2DO, remote control, app based
GENERAL DATA					
Power supply	6-15 Vdc				
Max power consumption	3,5 W				
Protection degree	IP20				
Rechargeable battery	Li-ION (1,100 mAh), autonomy up to 8 hours (without auxiliary relay)				
SD support	Push-Push per SD card e SD HC card / max 32GB				
SIM slot	Push-Push per mini SIM (15 x 25 mm)				
Supported SIMs	Mini SIM				
Temperature probe	Internal NTC thermistor (standard), external optional				
Protocols	FTP client, SMTP client, SMTPS with SSL client				MQTT
Display	LCD 128x32 Dots con area visibile 39 mm x 8,6 mm Display scroll button				
Modem 2G	Quad band (850 / 900 / 1800 / 1900 MHz)				
Modem 4G	LTE-FDD B1/B3/B5/B7/B8/B20 o GSM/GPRS/EDGE 900/1800 MHz				
Wi-Fi	-				
GPS	-		RECEIVER 22 channels SENSITIVITY -165 dBm FIX TIME 32 s typical ACCURA- CY Up to 2.5 m	OPTIONAL RECEIVER 22-channel SENSITIVITY -165 dBm FIX TIME 32 s typical ACCURA- CY Up to 2.5 m	-
Connections	Spring clips (3.5 mm pitch) Micro USB SMA connector				
Dimension	MMCX connector 80 x 105 x 30 mm				
Weight	150 g				
Operating temperature	0..45°C (recommended) -20..+55°C (charging) -20..+45°C (discharging)				
Material	ABS polycarbonate				
Installation	DIN guide or wall mount				
Approvals	CE, UKCA				
FUNCTIONS AND SETTINGS					
Datalogger	Si				-
Basic configuration	Software (EASY SETUP, EASY MYALARM2), SMS commands, ringtones				Web or Mobile App (MYALARM3 CLOUD)
Management app	SENECA SMS				MYALARM3 Cloud
Cloud service					12 mesi gratuiti dall'attivazione
Scenario management / widgets	Advanced automation, input alarms, data loggers, leak control, solar panel control, swimming pool control, automatic gate control, timed automation, hour meters, boiler control, blackout control				Electricity grid, temperature, 2G/4G/Wi-Fi network, GPS, active alarms, uptime, I/O management, analog threshold MAX/MIN, counter threshold, digital input/output, GPS fence, electricity grid absence, sunrise and sunset, temperature MIN/MAX, free command
Controls and alarms	Fast and time-controlled (SMS) controls via ringtone, SMS alarms	Fast and time-controlled (SMS) commands via ringtone, DTMF, SMS or voice			Push alarms via App
Email management	Si				-
History					Log allarmi, eventi, calendario
Address book	20 users (multi-administrator), 1000 contacts (per ring command)				-
Counters / Timers	4 counts / totalizers, 10 timers				4 counts / totalizers, 10 timers
DIGITAL INPUTS					
Channels	4				
Type	Reed, Contact, PNP, Pulscap				
Max. frequency	30 Hz				
ANALOGUE INPUTS					
Channels	2				
Type	Current 0..20 mA (max. impedance 60 Ω); voltage 0..30 V (max. impedance 100 k)				
Resolution	16 bit				
Accuracy	0,1% f.s.				
DIGITAL OUTPUTS					
Canali	2 (option)				2
Tipo	SPST Relay 3 A / 250 Vac				

I dati tecnici e gli schemi su questo documento sono indicativi e non vincolanti.

SALES CONFIGURATION

MYALARM2



- 12V power supply
- Li-On battery, 1,000 mAh, max autonomy 8 h
- No. 4 Digital Inputs: Freq. Max 30 Hz @ 32 bit
- No. 10 timers, 4 counters, 4 totalizers, 4 hour counters
- No. 2 Analog Inputs: Range (0-20 mA, 0-30 V), 16 bit resolution
- No. 2 Digital Outputs: SPST Relay 3 A (optional)
- No. 1 Micro USB port
- No. 1 2G/4G modem, optional GPS

ORDER CODES

Versions / Options	Codes	Description
Basic unit	MY2B	MYALARM2 BASE / DATALOGGER
	MY2S	MYALARM2 SECURITY AUDIO
	MY2G	MYALARM2 GPS
Modem	L	4G / LTE (solo per versioni MY2G e MYS)
SPST Relay Board	-0	Absent
	-R	Present
Arrangement of other connections	-0	Absent
Linking system	-C	Connectors
	-M	Clamps
Colors	-B	Blue
	-G	Gray
IP66 housing (option)	-4X	IP66 housing, electrically insulated, with opening front door

MYALARM3 CLOUD



Wi-Fi version

- 12 V power supply
- Rechargeable battery 1100 mAh, autonomy up to 5h
- No.4 digital inputs REED Contact, PNP, Pulscap, relay
- No.2 analog inputs Current 0..20 mA, 0..30 V;
- 16-bit resolution; Accuracy 0.1% f.s.
- No.2 digital outputs SPST relay 3 A / 250 Vac (optional).
- GSM/GPRS or Wi-Fi communication
- Optional GPS

ORDER CODES

Codes	Description
MY3C-1Y	Cloud Service Renewal 12 Months MyAlarm3 Cloud
MY3CLOUD-APP	Cloud Service Renewal 12 Months MyAlarm3 Cloud
MY3CLOUD-R-0-0-G	Cloud support remote alarm unit, relay, gray color
MY3CLOUD-R-0-G-G	Cloud support remote alarm unit, relay, GPS, gray color
MY3W-AIR-R-0-G	Cloud support remote alarm unit, relay, Wi-Fi, gray color

ACCESSORIES

Code	Description	Code	Description
A-GPS	External GPS antenna with magnetic base and MMCX connector	ALIM-MY2	Spare power supply
A-GSM	External multiband antenna with 3 m cable and SMA male connector	BATT MY2	3.7V - 1,200mAh lithium battery for MYALARM2
A-GSM-DIR-5M	Compact directional GSM-UMTS antenna	BATT GP80	Spare battery for B-ALARM
A-GSM-OMNIDIR	Omnidirectional GSM-UMTS-WIFI antenna	FD01	PULSECAP, photodetector for pulse counting, max. frequency 10 Hz
A-GSM-OMNIDIR-10	Omnidirectional GSM-UMTS-WIFI antenna with 10 m cable length CU-A-MICRO-B USB-A to Micro USB-B 5 P cable	MSD	MicroSD card with SD adapter
A GSM QUAD N	External omnidirectional 4G/WI-FI antenna, FME, 3 m cable	MY2-KITIP66	ABS IP66 kit for quick field assembly
ANT-WIFI-MP	WiFi 2.4/5.0 Ghz "Blade", Black, Connector Mount, SMA Male	MY3C 1Y	12-month Cloud Service renewal MyAlarm3 Cloud
ANTENNA-ST-4G	SMA Male straight antenna Black - 4G - LTE	NTC-150	External NTC probe 1.5 m
ANTENNA-STILO-MY2	Straight GSM antenna SMA-M nickel-plated		
A SCR 90	Antenna/spare part with 90° screw mount on SMA connector		

CONTACT AND INFORMATION

C+R Automations- GmbH
Nürnberger Straße 45
90513 Zirndorf
info@crautomation.de
www.crautomation.de

