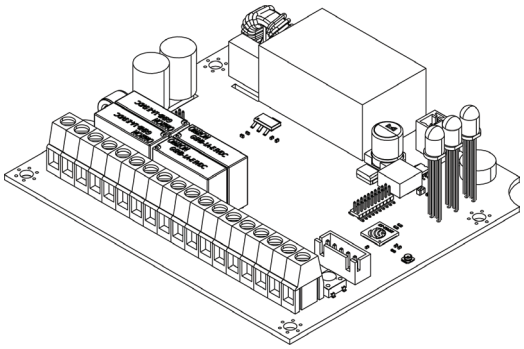
GSL QuickAlert

Equipment: Access control
Model: MPU2410 v1.0

QuickAlert 4

230VAC / 5W
9 - 30VDC / 5W



- 4 relay inputs - automatic detection and notifications.
- Up to 70 phone numbers - extensive SMS notification coverage.
- Programmable SMS texts - customize messages for each event type.
- Call one priority number - respond quickly to critical changes.
- Power failure notification - the device automatically sends an SMS when power fails.

SYSTEM DESCRIPTION

QuickAlert provides immediate notification of changes in systems using relay inputs, offering security and real-time control of critical parameters. It is designed for integration into a variety of systems, from security alarms and sensors to industrial and commercial applications.

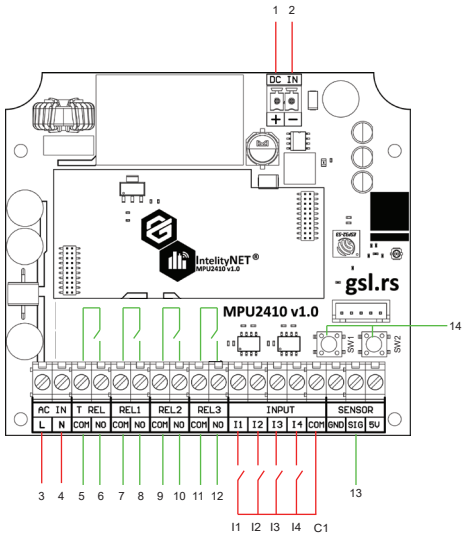
The device has 4 relay inputs. When an input is activated, it automatically sends SMS notifications to predefined phone numbers and/or calls one priority user. Users are immediately informed of system changes, enabling a rapid response.

- Automatic SMS messages - Each activated input generates a predefined message that can be customized to the user's needs.
- Support for up to 70 phone numbers - The device supports 50 users and 20 administrators, ensuring broad notification coverage.
- Priority user call - When any input is activated, the device can automatically call a designated user for a rapid response.
- Easy programming - Users can easily change notification texts and the phone number list through configuration.
- Reliable operation in different systems - Compatible with alarm systems, security sensors, industrial switches and other devices with relay outputs.
- Power failure detection - The device can send an SMS notification when the power supply fails, allowing the user to respond quickly.
- Up to 8 hours of battery operation - Continues operating on the internal battery.
- Low battery notification - The device automatically sends a notification when the battery is running low, allowing users to recharge it in time and prevent interruption of operation.

TECHNICAL SPECIFICATIONS

Supply voltage / power:	230VAC / 5W 9 - 30VDC / 5W
Wireless communication:	2G, 3G, 4G LTE, Wi-Fi, BLE
Wired communication:	One wire
Outputs / type:	4 / relay
Inputs / type:	4 / relay
Relay ratings:	250VAC, 30VDC - 5A
Dimensions without enclosure:	105 x 94 x 20 mm
Operating temperature:	-25°C ~ +60°C
AC supply detection:	YES
Backup power:	Optional 3.7V LiPo battery

MAIN UNIT, WIRING DIAGRAM AND TERMINAL DESCRIPTIONS



TERMINAL NO.	TERMINAL NAME	DESCRIPTION
1	DC IN +	DC supply positive input
2	DC IN -	DC supply negative input
3	AC IN L	AC mains live input
4	AC IN N	AC mains neutral input
I1,I2,I3,I4	INPUT	Digital inputs
C1	COMMON	Output signal for digital inputs
5,6	T REL	Relay output (normally open contact)
7,8	REL1	Relay output (normally open contact)
9,10	REL2	Relay output (normally open contact)
11,12	REL3	Relay output (normally open contact)
13	SENSOR	One wire bus
14	SW1, SW2	Push button*

*To reset QuickAlert to factory settings, press and hold both buttons marked on the diagram simultaneously for more than 10 seconds. The device will then reset and restore its default settings.

RECOMMENDED DEVICE CONNECTION PROCEDURE

Before connecting the device to the mains supply:

- Insert a SIM card (a plan with unlimited calls and SMS messages is recommended).
- Remove the device from its enclosure and connect the battery to the designated connector on the underside of the circuit board.
- Only then connect the device to the mains supply.

USER MANAGEMENT COMMANDS

Add an administrator number:
Command: ADD_ADMIN:+3816xxxxxxxx
The first number to send this message becomes an administrator.
Only administrators can add or remove administrators and users, and configure the device.

Remove an administrator number:
Command: REMOVE_ADMIN:+3816xxxxxxxx

Add a user:
Command: ADD_USER:+3816xxxxxxxx

Remove a user:
Command: REMOVE_USER:+3816xxxxxxxx

Show the administrator number list:
Command: ADMIN_LIST?

Show the user number list:
Command: USER_LIST?

DEVICE CONFIGURATION COMMANDS

INPUT SETTINGS

Trigger on a low logic level:
Command: SET_INx_LOW:Notification text
X denotes the input number (1 to 4).
The text users receive by SMS when the input is triggered.

Trigger on a high logic level:
Command: SET_INx_HIGH:Notification text
X denotes the input number (1 to 4).
The text users receive by SMS when the input is triggered.

Disable an input:
Command: SET_OFF:INx
X denotes the input number (1 to 4).
The alarm call for that input is also disabled automatically.

ALARM CALL SETTINGS

Enable an alarm call:
Command: INx_ALARM_CALL_ON:+3816xxxxxxxx
X denotes the input number (1 to 4).
The specified number is called when the input is triggered.
If the number is not on the administrator or user list, it is automatically added as a user to receive information messages.

Disable an alarm call:
Command: ALARM_CALL_OFF:INx
X denotes the input number (1 to 4).

BATTERY INFORMATION SETTINGS

Enable mains supply and battery information messages
Command: BATTERY_INFO:ON

Disable mains supply and battery information messages
Command: BATTERY_INFO:OFF

NOTE: Only numbers with administrator permissions can use commands.
Follow the exact format and do not use spaces when sending commands.