ADDING ADDITIONAL MOBILE NUMBERS

You can add up to three additional control mobile phones.

When adding additional numbers to the unit you must enter them in the correct format used by the Network service provider of the SIM that you have entered into the G033.

For example, if the UK number 07123456789 needs adding, we have three formats to try (Using the UK country code '44').

1. +447123456789 **2.** 00447123456789 **3.** 07123456789

The most commonly used, is format 1, this will work with most countries and providers. To store your number, text '**BD1+447123456789F**' to the device. If you are able to send commands from the new number but do not receive messages back, try one of the other formats.

FREQUENCY BANDS

Europe is covered by the G033-E

US/ Canada are covered by the G033-A

Other parts of the world vary. The table below shows the frequency bands for the G033 .

lYou can check your country and SIM card providers frequency bands against this table to check that have the correct version.

If your G033 version does not match your country or SIM provider's frequency then please contact info@quark-elec.com or (0044)1763448118.

Standard	Frequency	G033**J**	G033**E** Europe	G033**A** America
2G	GSM 850MHz	✓	✓	✓
	EGSM 900MHz	✓	✓	✓
	DCS1800MHz	✓	✓	✓
	PCS1900MHz	✓	✓	✓
3G	WCDMA 850MHz	✓		✓
	WCDMA 900MHz		✓	
	WCDMA 1900MHz			✓
	WCDMA 2100MHz	✓	✓	

Disclaimer

Email: info@quark-elec.com
Web: www.quark-elec.com

QUARK-ELEC

SET-UP GUIDE

QK-G033
GSM/3G REMOTE CONTROLLER

2 alarm inputs

3 relay outputs

Mobile Network GSM/3G SMS

- **What You Need**
- **Installation Overview**
- **Notes**
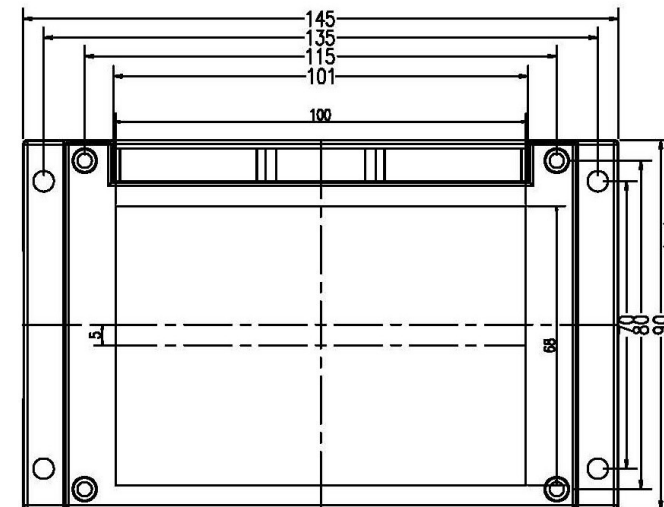
All products are CE, RoHS certified
www.quark-elec.com

Please recycle your packaging

This is an overview only. Familiarize yourself with the manual and the manuals of any connecting devices before installation. It is always recommended that electronic equipment be installed by an experienced installer.

## YOU WILL NEED:

1. SIM card:

- **SIM must operate on the 2G (GSM) or 3G network for this version.** Check with your SIM supplier.
- **Credit on the SIM (we recommend automatic top-ups)**
- **The SIM is not PIN protected**
- **The SIM is set to disable voicemail**
- **Avoid SIM cards that deactivate automatically if the SIM is not used often**

 If your SIM will do this and if your G033 is likely to be unused for long periods of time, you will have to send the G033 an update request periodically to keep the SIM card active. The time limit is often three months, check with your operator.

2. Power supply cable: long enough to reach your device in its final location.

3. Check there is mobile network reception for your SIM card in the location that your device will be installed (you can check the SIM card in a mobile phone).

INSTALLATION

1. Download and install the app for mobile phones. https://www.quark-elec.com/downloads/apps/

2. Select G033 location: location must be indoors and not exposed to water or high humidity.

3. Connect the relay output (if required): check relay setup for whether you want relays in normal open (NO) or normal closed (NC) position.

4. Connect alarm inputs (if required) to the correct terminal: alarm inputs (INT) 1/2 will activate relay 1/2 respectively. The G033 is compatible with inputs that send signals as a switch (by closing the circuit) and alarm inputs that send a low voltage signal.

5. Insert your SIM into the G033 device (make a note of the SIM number first for reference).

6. Connect to power: Check LEDs are working correctly.

Blue LED - Network   **Red LED - System**
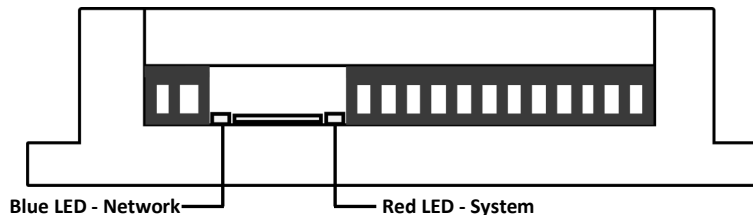
- **Blue Network LED**: LED will stay blue at start up as it is connecting to a network. Once connected, the LED will flash less often at once every 2-3 seconds.
- **Red System LED**: will flash at 1 second intervals once the system has finished initialization. The LED will not flash while the G033 is processing a command.

7. Register the main phone number that will control the device within 10 minutes of powering up the G033 by texting '**88888888**' from your chosen phone to G033 SIM card. If registration is successful, the module will reply with '**Your phone has been registered**'. If unsuccessful, the module will reply with '**registered disabled'**. If registration is unsuccessful, repower the device and reattempt registration within 10 minutes of powering up the device.

The system LED will flash at one second intervals once the registration is completed. You can add up to three additional control mobile phones using SMS/APP codes (check the manual for full list of text command codes).

OPERATION

You can now send commands and receive messages by SMS text or the text generating APP.

Remember, the device processes one command at a time. Each command will have a reply to confirm the command has been received and executed. You must wait for a reply message before sending another command. **All SMS text commands must always be sent using CAPITAL letters. Do not add spaces or any other characters.**

Automated relay operating setting for relay 1/ 2 can be changed by adjusting the small jumpers inside the enclosure.

- **Self-lock control:** When activated, the relay will stay on until it receives a different command.
- **Latching control:** When activated, the relay will stay on for a period of seconds, determined by the user (3, 6, 9 or 12 seconds). It will then return to its normal state.

When an alarm is triggered, the relay will stay locked ON until you send the command "EXTRT" to reset alarm (even if set to latching mode).

QUICK COMMANDS

- **To turn relay on**, text '**DKYn**' (replace 'n' with the relay number).
- **To turn relay off**, text '**GBYn**' (replace 'n' with the relay number).
- To run a relay for a short while, text '**ONOFFRnxxx#**'. Replace 'n' with the relay number (1 or 2) and replace 'xxx' with the delay times (from 001 to 999 seconds). This is a one off command and will not affect future actions.
- **To disable text alerts**, text '**EXTGGn**' (replace 'n' with the relay number). This command disables the text alert, the external alarm input itself will remain active and will still activate the relay, unless the external alarm input itself is disabled.
- To re-enable text alerts, text '**EXTKKn**' (replace 'n' with relay number).
- **To disable the external alarm input**, text '**EXTGBn**' (replace 'n' with the relay number).
- To reset all external alarm inputs, text '**EXTRT**'.
- **To change the SIM number of main control phone**, text '**XGZHM**' from the current main control phone. The new phone must be registered within the next 10 minutes.
- **To add an additional mobile number**, text '**BDn(mobile number)F**', replacing 'n' with '1', '2' or '3' according to a number of an additional mobile device.

Daily timer settings: Relays 1 and 2 support a daily timer function. This is useful for turning the relays on and off without having to message the device. The relays will switch ON/OFF daily according to the timer settings.

A full list of commands can be found in the manual