# Quick Start User Guide

Advent Controls

C5 IoT Control System: Alarm Dialler Application (SMS Setup)

Insert a SIM from any GSM network into the SIM card holder. Please note the '3-UK' network is not a GSM network (they offer only UMTS) – avoid 3 Mobile UK as only a roaming connection will be available. Please note even though networks such as O2/Orange/Vodafone offer 3G and 4G SIM cards they also have 2G voice/SMS infrastructure and so all of their SIMs are valid. For PAYG we strongly recommend O2 PAYG Classic. We set the APN (required for a data connection) to O2 PAYG by default.

Wire the dialler to the alarm panel as shown in the diagram. The SET terminal may not be present on all alarms and is not mandatory – this is required only for sending SET/UNSET notifications.
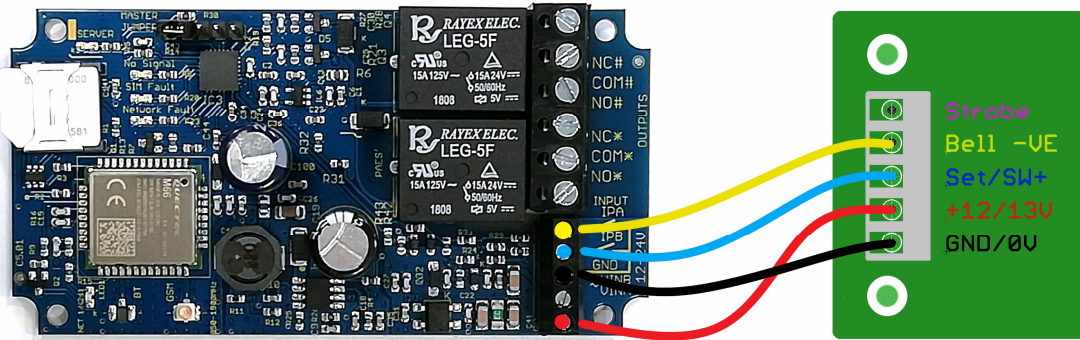

When first powered up, the flashing network LED will initially flash at a rate of once per second. This will slow to once every 2 seconds once a network connection has been established. If the device cannot acquire a connection a fault light will illuminate to indicate the cause of the problem.
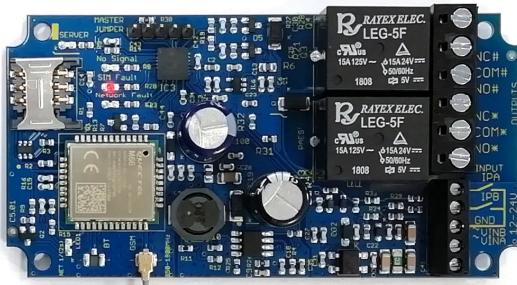
The SIM Fault LED lights if the device cannot use the SIM Check the orientation of the SIM and remove all PIN numbers or set them to 0000
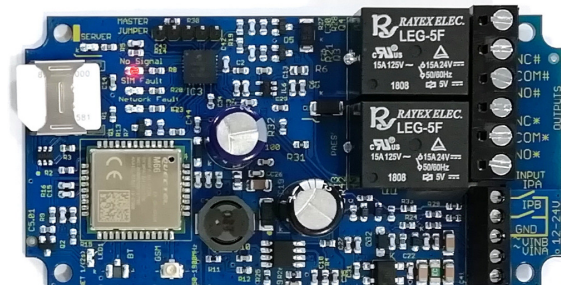
The No Signal LED lights when no GSM signal can be found Check the aerial is fitted correctly. The LED will flash when the signal strength is less than 11. Keep the aerial away from wires and metallic surfaces
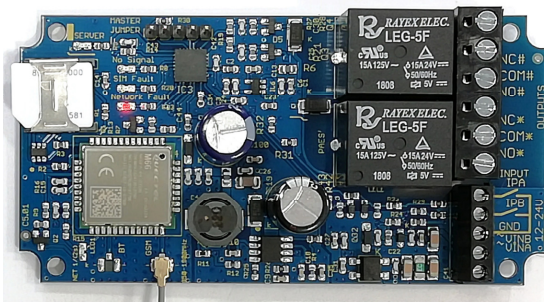
The Network Fault LED lights when there is a problem with the network service. This is normally due to the SIM not having sufficient credit.

The split washer should not be used on thick plastic enclosures (use it only on thin metal enclosures). Ensure the aerial cable is fully screwed together – the threaded end piece will become loose during shipping!

Sending '**CSQ**' in a SMS text to the SIM card number will return the signal strength which should be greater than 8 for a reliable connection. The No Signal LED will flash once per second if the signal is less than 11.

A 'master' (admin) phone number must be set to control the dialler. There can be several master numbers. Whilst the jumper is connected, the 'master' command will be accepted and you will be able to set up a new master number.

> **TIP:** After sending 'master me' message check it has worked by sending 'LIST'; the dialer will reply with the numbers in the memory

*may require subscription

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From your mobile phone send an SMS text to the device's SIM card's telephone number

Master me   …sets your number as an admin number

To receive calls & text messages the list of call and text numbers must be programmed. From the master phone send by SMS

Call me		…calls your number when triggered
Text me		…texts your number when triggered
Master <your number>.	e.g. **Master 07000111222.**	…sets 07000111222 as an admin number
Call <numbers to dial>.	e.g. **call 07000111222.**	…calls 07000111222 when triggered
Text <numbers to text>.	e.g. **text 07000111222.**	…texts 07000111222 when triggered

To customise the input alarm messages the **customA/B** or **messageA/B** commands are used as follows:

CustomAL This is the alarm sounding message**.**   (128 characters max – **must end with a full stop'.'**)

MessageAH This is the alarm stopping message**.**

MessageBH This is the SET high level message**.**

CustomBL This is the SET low level message**.**

To remove a Master, User, Call Number or Text Number from the memory use the REMOVE command as follows:

Remove 07000777888.
remove me

Please note international numbers should be entered with the '+' prefix and without the exit code: +447000000000 and not 00447000000000 (for UK number 07000000000)

To see all of the numbers in the memory the **LIST** command is sent as follows:

**LIST**   …sends list of numbers in the memory

To check the status of the inputs and output please send from a master phone:

Status

If the alarm status shows as set when the alarm is unset and unset when the alarm is set, the SET input needs inverting:

Invert 2   …inverts the current input setup

To most messages, the device replies with a web-link to the device's main control webpage. This will only be available if your SIM card has a data allowance and the APN is set up. If the device is connected to the server the SERVER LED will be lit and the device will be available via the web-link*.
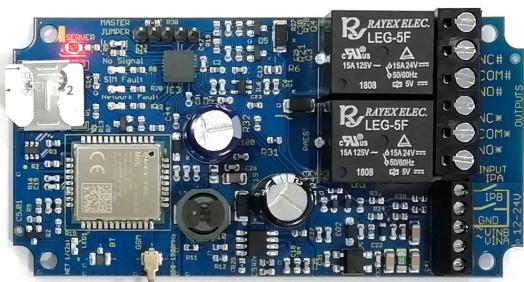
If the SERVER LED never illuminates then it's likely the APN is incorrectly set for your network (by default it is set to O2 PAYG).

APN "<apn>","<username>","<password>" **(no full stop!!)**

To set the APN to EE (ASDA, PlusNet, Virgin…) use the following:
apn "everywhere","eesecure","secure"

To set the APN to GiffGaff send the following command:
apn "giffgaff","",""

Email messaging is set up purely through the web-link interface*.

To check the balance available on the SIM the web-link must be active* (requires a data connection). The balance will be displayed on the main page. Alternatively it will be available on the history page (select network messages).

If you are not using O2 PAYG then you must force the network to send the balance to the device using the DIAL or SMS command (depends on network) e.g.

Sms 150,balance   (EE network)
Dial *100#   (GiffGaff)

*may require subscription