4G INSTALLATION GUIDE

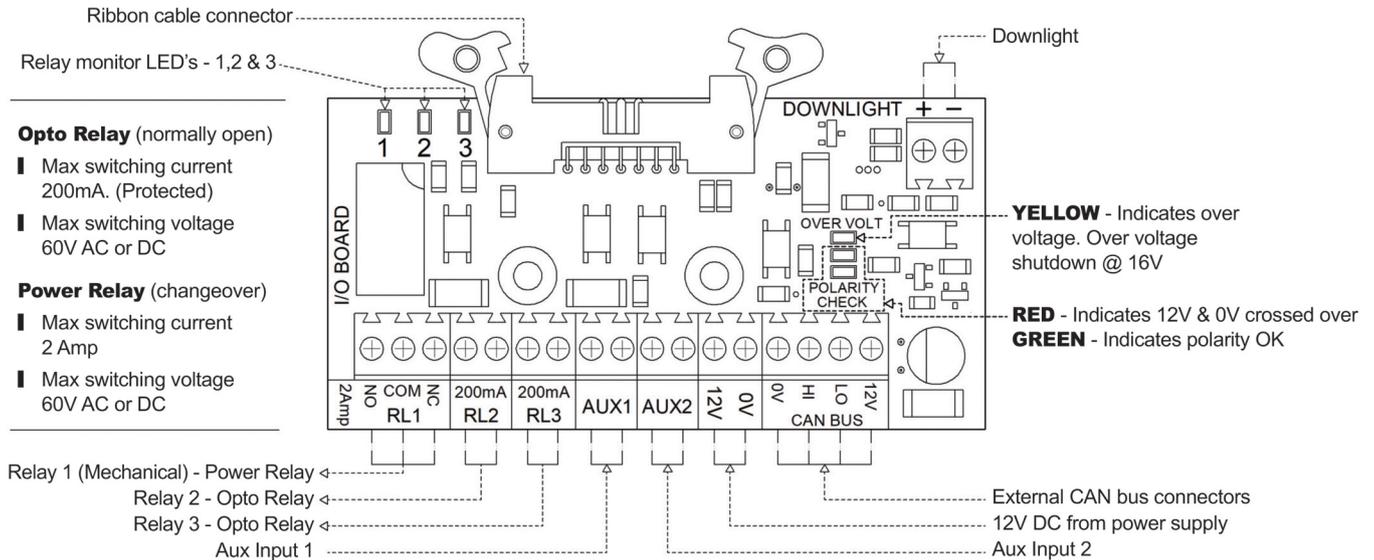**COMELIT** PAC®
WITH • YOU • ALWAYS

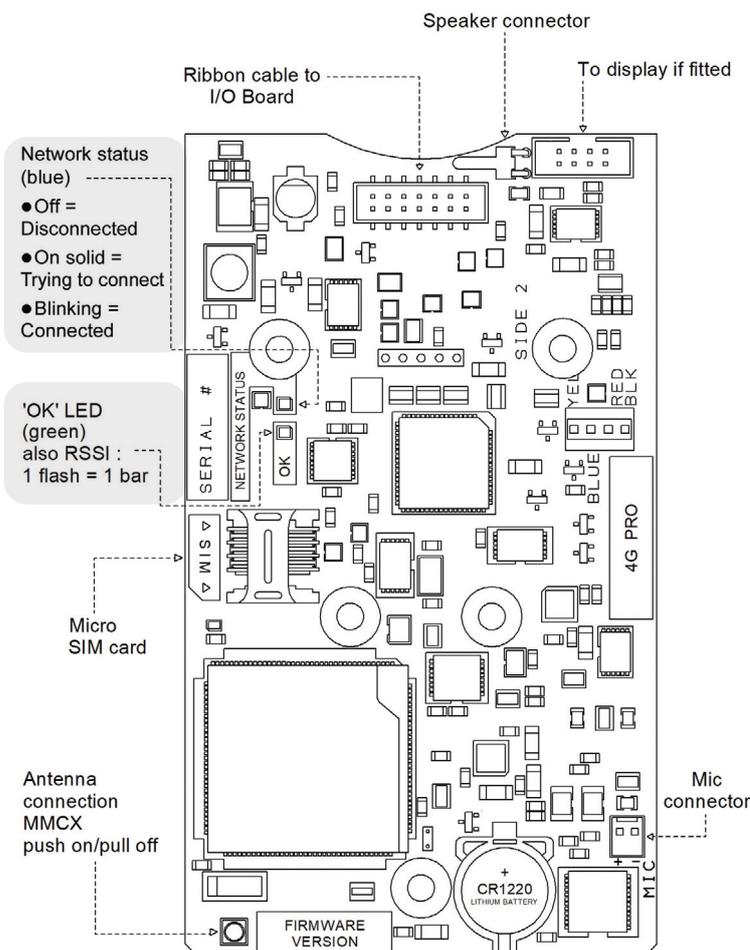**For use with the following models: COMELIT 1, 2 & 3 BUTTON 4G INTERCOMS**

4G LTE PCB CONNECTIONS

⚠️ A SITE SIGNAL NETWORK TEST IS TO BE UNDERTAKEN BEFORE INSTALLATION.

Ribbon cable connector

Relay monitor LED's - 1,2 & 3

Opto Relay (normally open)
❚ Max switching current 200mA. (Protected)
❚ Max switching voltage 60V AC or DC

Power Relay (changeover)
❚ Max switching current 2 Amp
❚ Max switching voltage 60V AC or DC

Downlight

YELLOW - Indicates over voltage. Over voltage shutdown @ 16V

RED - Indicates 12V & 0V crossed over
GREEN - Indicates polarity OK

Relay 1 (Mechanical) - Power Relay
Relay 2 - Opto Relay
Relay 3 - Opto Relay
Aux Input 1

External CAN bus connectors
12V DC from power supply
Aux Input 2

4G LTE I/O BOARD CONNECTIONS

Speaker connector

Ribbon cable to I/O Board

To display if fitted

Network status (blue)
● Off = Disconnected
● On solid = Trying to connect
● Blinking = Connected

'OK' LED (green) also RSSI : 1 flash = 1 bar

Micro SIM card

Antenna connection MMCX push on/pull off

Mic connector

INSTALLATION TIPS

● Ensure the unit is sealed to prevent water ingress.

● Use electronic grade silicone sealant to seal around all rear entry holes.

● Ensure antenna and power leads have a loop before entering the back of the unit to prevent water ingress along the cable.

● Use the black plastic gland M20 x 1.5mm, std electrical thread to secure the power and antenna leads.

● If drilling out the backbox or steel posts, no metal filings must be left in the backbox. The speaker has a magnet and may attract metal filings. Brush out the back box of all debris before screwing in the faceplate.

● We always recommend doing a signal test with a 4G analyser to ensure that the SIM card being used has a stable 4G connection.

● Ensure the unit is turned off before inserting/removing the SIM and plugging in/unplugging the antenna.

● LED Status Lights:
  – Green OK LED is multi purpose. It shows correct antenna connection, correct SIM card installation and signal strength (RSSI). It will also flash with a yellow tint when receiving a text message.
  – Blue LED is the network status.

● The auxiliary inputs are for volt free exit release type buttons only. Damage will result if feeding voltage or any other item that is not a volt free contact.

● Use the faceplate parking slot for ease of installation.

● **We strongly recommend the PIN Defaults are changed at the point of installation.**

The 4G antenna is an external item that should be installed in the most suitable position so that maximum signal strength is obtained and is more than 200mm from a human body. This positioning should also allow for avoidance of any likely vandalism as is able.

COMELIT GSM ONE APP

COMELIT GSM ONE ~ THE PROGRAMMING APP

- Click the help icon in the top right of the screen for user instructions.

In order to start the programming of the Intercom, you will need:

- Intercom Serial Number
- SIM Telephone Number
- Assigned Name