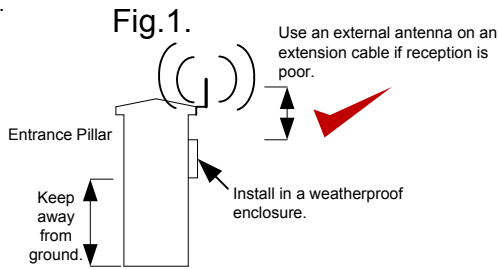# Installation Manual
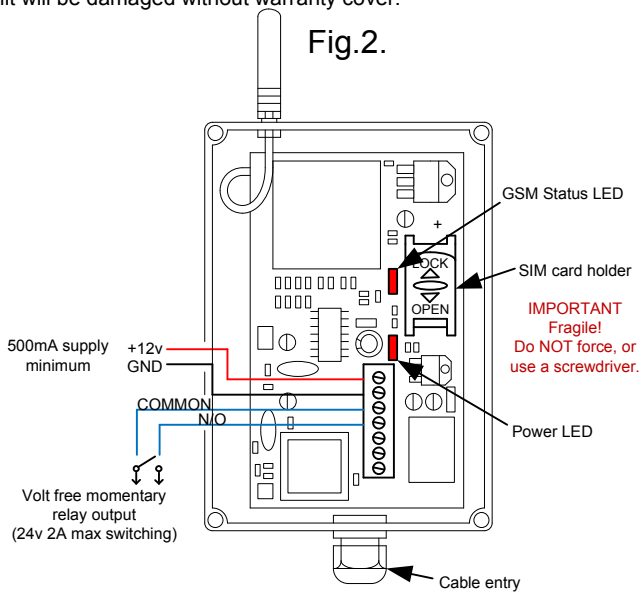
for

GSM100 Gate Opener / Remote GSM Switch System

Installation

1) Before you install this equipment, please read this full manual.

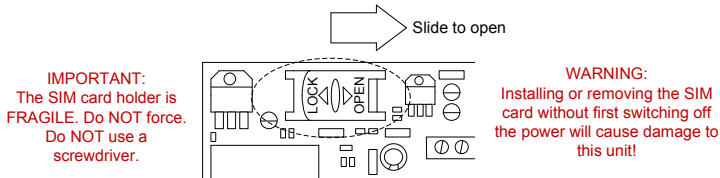2) Ensure that there is good network reception at the location where it will be installed.

Fig.1.

Use an external antenna on an extension cable if reception is poor.

Entrance Pillar

Keep away from ground.

Install in a weatherproof enclosure.

Wiring

3) This unit requires 12v d.c. Please carefully observe polarity or else the unit will be damaged without warranty cover.

Fig.2.

GSM Status LED

SIM card holder

IMPORTANT
Fragile!
Do NOT force, or use a screwdriver.

500mA supply minimum

+12v
GND

COMMON
N/O

Power LED

Volt free momentary relay output
(24v 2A max switching)

Cable entry

Installing SIM card

4) Before installing SIM card, switch **OFF POWER**, ensure that the card has been registered, activated, and has some calling credit. Check it works in a mobile phone first.

Fig.3.

Slide to open

IMPORTANT:
The SIM card holder is FRAGILE. Do NOT force. Do NOT use a screwdriver.

WARNING:
Installing or removing the SIM card without first switching off the power will cause damage to this unit!

5) Carefully slide the SIM holder door in the OPEN direction as shown in Fig 3. Slide the SIM card into the holder, and close the door, sliding it in the LOCK position.

6) After a final check of wiring, switch on the power to the system. There are 2 LED indicators on the module. 1 is for power, and the other is for GSM network detect.

Please allow 20-30 seconds for the unit to boot up and detect the network. Once successful connection has been made, the status LED will begin flashing.

Programming

9) Call the SIM card telephone number. The device will answer the call and you will hear a bleep.

10) Enter programming mode by pressing..

(*) (1) (2) (*) (1) (2) (3) (4) (#)   (1234 is default password)

A successful pass code will produce a single long tone. A failed attempt will produce 3 short bleeps.

Access Control by Called ID

11) You may now program up to 100 telephone numbers into memory. Any of these numbers will be able to call the unit, and activate the relay at no call charge.

(7) (2) Enter telephone number here (#)   3-15 digits

(Repeat this process for all numbers to be stored)

12) Enter the international country dialling code for your country.

(7) (1) Enter country code (#) 1-3 digits. (e.g. UK = 44, Ireland = 353)

Access Control by Pass Code

13) The GSM100 will also allow access to telephone numbers not stored in memory, by pass code method.
When a non stored phone rings the unit, it will answer the call. They must answer the following sequence to activate the relay...

(*) (3) (3) (*) (5) (6) (7) (8) (#) *(5678 is default password)*

14) If you wish to change this pass code, enter the following sequence...

(0) (2) (?) (?) (?) (?) (#) *(???? is your new pass code)*

Additional Features...

Delete a number...
(7) (3) Enter telephone number here (#)

Delete all numbers...
(7) (3) (*) (#)

Change programming password
(0) (1) (?) (?) (?) (?) (#) *(???? is your new pass code)*

Change relay status from N/O to N/C
(2) (1) (#) *= Normally Open*
(2) (2) (#) *= Normally Closed*

Change relay activation time 0.5 – 4.5 Sec
(5) (1) (?) (#) *(? = 1-9) Note: 1=0.5 sec.*

Change relay activation key
(6) (1) (?) (#) *(? = preferred key on telephone keypad to activate relay)*

Restore defaults
(9) (9) (9) (#)

Operation and Testing

15) To check if a number is programmed correctly for caller ID operation, simply call the SIM number of the GSM100. The relay should activate.
Note that international calls may not work by this method if the caller ID is not passed across the networks.

16) To check operation for telephone numbers which are not programmed into memory, call the unit. It should answer the call.
Enter *33*[pass code]# and the relay should activate.