



# **SED-60-5 stand alone GSM Module**

## **TECHNICAL SUPPORT**

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## **LIMITATION OF LIABILITY**

Sec Eng Systems' products are intended to reduce the risk of loss and damage to property in which the goods are installed to the extent which is practical. Sec Eng Systems does not accept any liability for the loss or damage to property or persons in relation to goods supplied. This disclaimer is only limited to the warranty of the goods supplied and the intended use.

**And is only limited to Australia.**

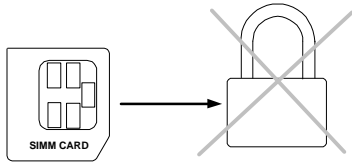
## **PRODUCT WARRANTY**

This product is covered by a 12 month back to base warranty from date of purchase, and proof of purchase should be supplied. The warranty does not cover damage that has resulted in the improper installation or improper use of this product.

The warranty does not cover lightning damage, electrical surges or acts of God.



1/ Check that the simm card has not been simm locked



2/ Place the sim card into any **Standard GSM phone**.  
Upon power up the display will ask for a pin number

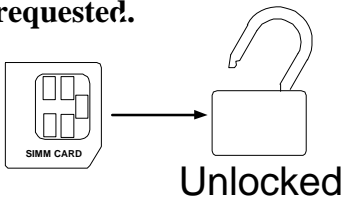
**Warning:** Ensure you have the pin number.  
If you don't you may Puc lock the simm which will have to be returned to the vendor for reprogramming.



### *Disable pin on simm card*

3/The pin code must be disabled from the sim card you do this by going to the phones security menu and select pin **OFF**

Once done re test by turning the phone Off then ON the pin code should not be requested.

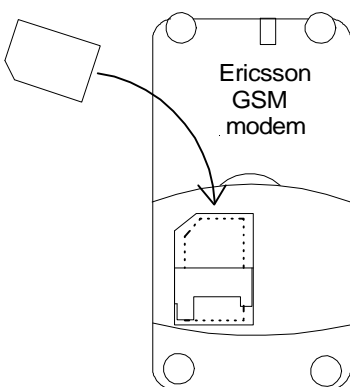


4/ Test for signal strength at the alarm location with mobile phone.

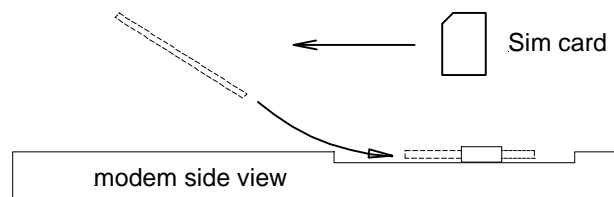
### **Points to guide you**

- Ensure unit is mounted in a safe & secure location, so that the antenna cannot be tampered with.
- Insert mini simm card into GSM modem as shown below

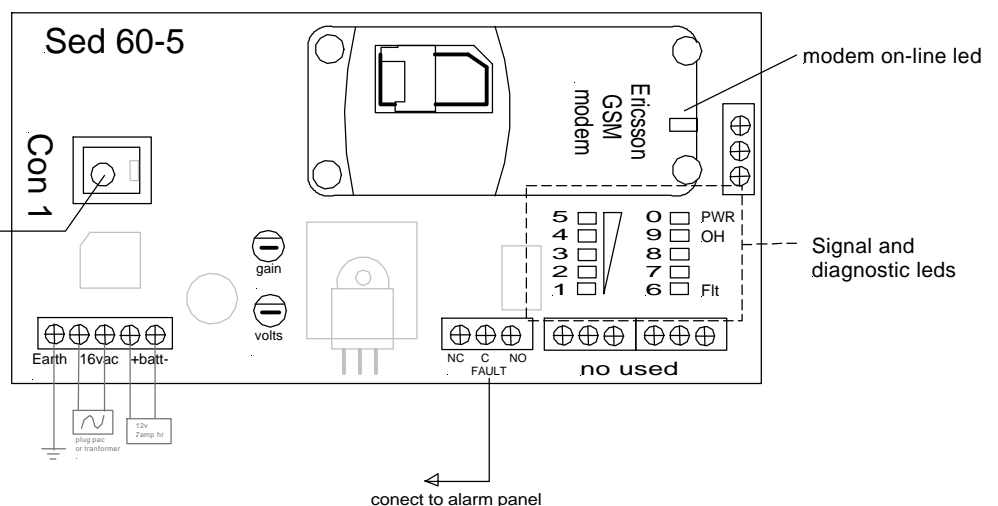
Sim card



To Insert Sim card  
Simply slide it down  
under the metal  
clip !



RJ 12 6p4c  
pins 3,4  
= ring & tip



## Connections

- Con 1= RJ 12 to alarm panel dialler or telephone handset
- Earth = mains earth
- 16vac = AC in ( optional )
- Battery 12v dc or used as 12 dc in without the need for the Ac to be connected
- Fault relay for system or GSM fail will trip after 5 mins

## On Board Leds & testing

5	<input type="checkbox"/>	0	<input type="checkbox"/>	PWR
4	<input type="checkbox"/>	9	<input type="checkbox"/>	OH
3	<input type="checkbox"/>	8	<input type="checkbox"/>	
2	<input type="checkbox"/>	7	<input type="checkbox"/>	
1	<input type="checkbox"/>	6	<input type="checkbox"/>	Flt

**NOTE:** Before the units is operational leds 1-5 are used for diagnostics as well as the Flt led

**LED1 = No gsm module**

**LED2 = No SIMcard or locked SIM**

**LED3 = Registration failure**

**LED4 = ??? ( not allocated yet )**

**LED5 = Other fault**

**LED6 = Gsm fault**

**LED9 = Off hook when panel or line is looped**

**LED0 = Pwr ok**

**Note:** Upon power up and GSM registration ( leds 1-5 will indicate signal strength.)

## Testing guide

- 1: Insert simm card ( Note: must not have a lock code on it )
- 2: Upon power up the GSM unit will register with the GSM network.
- 3: If all is ok the power light will come on and the modem On-line led will flash
- 4: Signal leds will now show signal strength
- 5: With a std telephone connect it to Con 1 an lift receiver, dial tone should be heard and the OH led should come ON, when a number is dialed it will show as per leds 1 to 0 .
- 6: If a problems occur with alarm transmissions try adjusting the pot marked GAIN, fully clock wise or anti clockwise as this will attenuate the GSM audio level as some dialers do not comply with Ademco standards of 600mv of tone P-P and may operate above or below this..