THANK YOU FOR VOTING TEXECOM

INSTALLATION MANUAL

ComGSM

GSM Communicator Module

Issue 1

CE

Texecom

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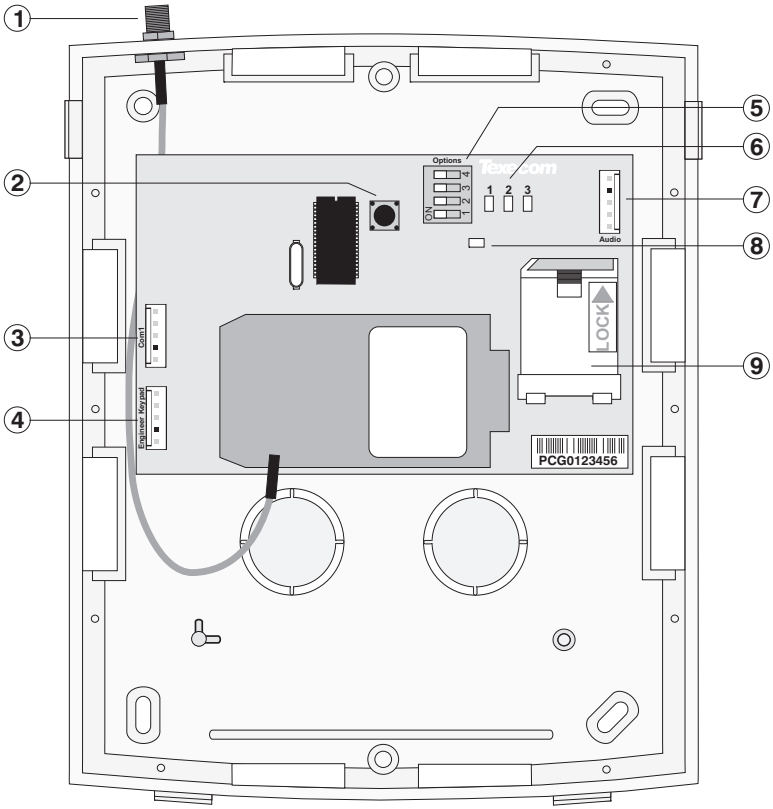
Introduction

The Com*GSM* module can be connected to the *Premier 24*/*48*/*88*/*168*/*640* control panels to provide the following facilities:

- Report system events (alarms, arm, disarm etc.) via text messaging to mobile telephones
- Remotely arm, disarm and obtain current status of the alarm system via text messaging
- High-speed modem communication for upload/download

NOTE The GSM module can only be used as a modem if the data service is enabled by your network provider. Pay as you go tariffs generally do not provide this feature.

ComGSM Layout



① Antenna connection

② Tamper switch

③ Com1 data connection to *Premier* control panel

④ Engineer keypad connector (for future use)

⑤ Option switches (see table below)

⑥ Status LED's (see table below)

⑦ Audio connector (for future use)

⑧ Heartbeat LED

⑨ SIM card socket

Option Switches

The option switches (⑤) function as follows:

Switch	Off	On
1	When the tamper is open, the GSM signal is reported as NO signal	GSM signal level is reported as normal
2	For future use – leave in OFF position	
3	For future use – leave in OFF position	
4	Toggle to perform a Reset	

Status LEDs

The three status LED's (⑥) indicate the following:

LED	Off	On	Flashing
1	GSM NOT Ready	GSM Ready	GSM Communicating
2	Panel NOT Ready	Panel Ready	Panel Communicating
3	No GSM Signal	Dim = Low Signal Bright = Good Signal	N/A

Installation

The *ComGSM* module should be installed as close to the control panel as possible, so that the harness lead supplied with the unit is able to plug onto the control panel communication port.

1. Route the harness lead into the module housing using the top left cable entry and plug the connector onto COM1 (③).

2. Install the module in the required location using suitable fixings.
3. Route the other end of the harness lead into the control panel housing. DO NOT CONNECT at this point.
4. Connect the GSM antenna to the antenna connector on the module (①) and site the antenna as high as possible.
5. Unlock the SIM socket by sliding the locking tab downwards. Insert the SIM card into the holder with the chamfered corner to the top left. Push the holder back into position and lock the SIM by sliding the locking tab upwards.

   NOTE The SIM card must be inserted before connecting the *ComGSM* module to the control panel, and must not be removed until after the power supply to the *ComGSM* module has been deactivated.
6. Set the option switches as required, see page 3.
7. Now connect the harness lead onto the control panel communication port (COM 2 for the *Premier 24*; COM 1 or 2 for the *Premier 48*/*88*/*168*/*640*).
8. The module should now be powered and the heartbeat LED (⑧) should be flashing.

Panel Configuration

Before attempting to use the *ComGSM* module it must be correctly configured as follows:

1. Enter “Engineers Programming” mode and select “UDL/Digi Options”, then select “Com Port Setup”. Ensure Com Port is programmed as “GSM Module”.
2. Now select the “Digi Options” menu and make sure that “Digi Option 1” is programmed for “Digi is Enabled”.
3. Now select “Program Digi” and ensure the following options are programmed for one of the ARC options:
   a) Protocol: “SMS Messaging”.
   b) Primary No: The number of the recipients mobile telephone.
   c) Secondary No: Secondary mobile telephone number (if required).
   d) Account No: Leave blank.
   e) Dialling Attempts: Program as required.
   f) Report Areas: Program as required.
   g) Reports: Program as required.
   h) Config.: Program as required.
4. All three status LED’s should now be on, if status LED 3 is dim, this indicates a low GSM signal level. If the signal level is low, try moving the antenna to improve the reception.

Using the SMS Control Commands

Control commands can be sent to the *ComGSM* module to allow remote control and integration of the alarm system.

1. Select the send text message option on your mobile telephone.
2. Enter the telephone number of the *ComGSM* module.
3. Enter the text command, see SMS Control Commands.
4. Select send on your mobile telephone.

When using the SMS Control Commands shown in the tables below the following should be noted:

???? = User code, this must proceed all commands.

[areas] = Areas 1 to 8 or A to P. If the areas are not specified then all areas will be selected.

[s] = Send back status report

(zones) = List of zones, each zone must separated by a space e.g. 1 12 167 etc.

(outputs) = List of outputs, e.g. 1234 etc.

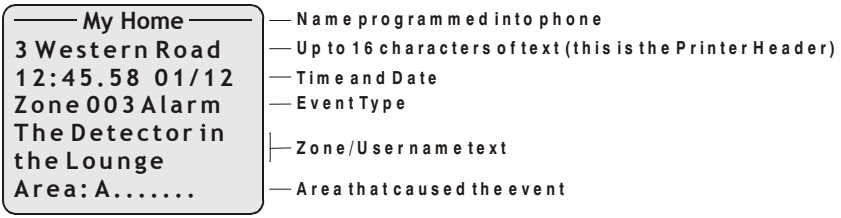
(message) = A maximum of 32 characters.

***Premier 24* SMS Control Commands**		
Operation	**Command**	**Example**
Arm System	???? **arm** [s]	"5678 arm s" = arm the system and report back status.
Part Arm System	???? **parm** (1/2/3) [s]	"5678 parm 1" = part arm 1 the system (no status)
Disarm System	???? **darm** [s]	"5678 darm" = disarm the system (no status).
Reset System	???? **reset**	"5678 reset" = reset the system
Turn Outputs On	???? **op on** (outputs) [s]	"5678 op on 2" = turn PC output 2 on.
Turn Outputs Off	???? **op off** (outputs) [s]	"5678 op off 1 s" = turn PC output 1 off and report back status.
Send Message	???? **mess** (message)	"5678 mess How Are You" = Displays How Are You on all keypads.
System Status	???? **status**	"5678 status" = System (Disarmed or Armed) PC Output 1 ON PC Output 2 ON

Premier 48/88/168/640 SMS Control Commands		
Operation	**Command**	**Example**
Arm System	???? **arm** [areas][s]	"5678 arm s" = arm all areas and report back status.
Part Arm System	???? **parm** (1/2/3)[s]	"5678 parm 1" = part arm 1 all areas (no status)
Disarm System	???? **darm** [areas][s]	"5678 darm abcs" = disarm areas abc and report back status.
Reset System	???? **reset** [areas]	"5678 reset" = reset all areas
Omit Zone(s)	???? **omit** (zones)	"5678 omit 1 5 12" = omit zones 1, 5 and 12
Unomit Zone(s)	???? **uomit** (zones)	"5678 uomit 12" = reinstate zone 12
Turn Outputs On	???? **op on** (outputs)[s]	"5678 op on 134" = turn PC outputs 1, 3 and 4 on.
Turn Outputs Off	???? **op off** (outputs)[s]	"5678 op off 4s" = turn PC output 4 off and report back status.
Send Message	???? **mess** (message)	"5678 mess How Are You" = Displays How Are You on all keypads.
System Status	???? **status**	"5678 status" = Armed: (1 - 8 or A - P) Alarm: (1 - 8 or A - P) Output: (1 - 8) Mains: (OK or Fault) Battery: (OK or Fault) Phone Line: (OK or Fault)
Output Status	???? **status O**	"5678 status O" = Armed: (1 - 8 or A - P) Alarm: (A - P) Channels: (1 - 8) Digi: (1 - 8) Panel: (1 - 5) Mains: (OK or Fault) Battery: (OK or Fault) Phone Line: (OK or Fault)
GSM/Radio-Pad Status	???? **status R**	"5678 status R" = Serial: ####### (only if Radio-Pad fitted) NUA: ###### (only if Radio-Pad fitted) FSS: ### (only if Radio-Pad fitted) RSS: ### (only if Radio-Pad fitted) BER: ### (only if Radio-Pad fitted) CRC: ### (only if Radio-Pad fitted) GSM-Signal: ### GSM-BER: ###

What will be sent in the Text Message

The following information will be received in the text message:



Specifications

Electrical

Supply:	9 to 14VDC
Current Consumption:	35mA quiescent; 100mA when active

Environmental

Operating Temperature:	-10°C to +55°C
Maximum Humidity:	95% non-condensing

Physical

Dimensions:	170mm x 140mm x 35mm
Packed Weight:	200g (approx.)

Standards

The *Premier ComGSM* module conform to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC (amended by 93/68/EEC) and Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC). The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

This product is suitable for use in systems designed to comply with PD 6662: 2004 (prEN 50131-1: 2004) at Grade 3 and Environmental Class II.

Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier ComGSM* module is covered by a two-year warranty against defects in material or workmanship. As the *Premier ComGSM* module is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the *Premier ComGSM* module failed to function correctly. Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice. *Premier* is a trademark of Texecom Ltd.

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