



**THANK YOU FOR VOTING TEXECOM**

# **GSM MODULE**

## **Installation Manual**



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## **Introduction**

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

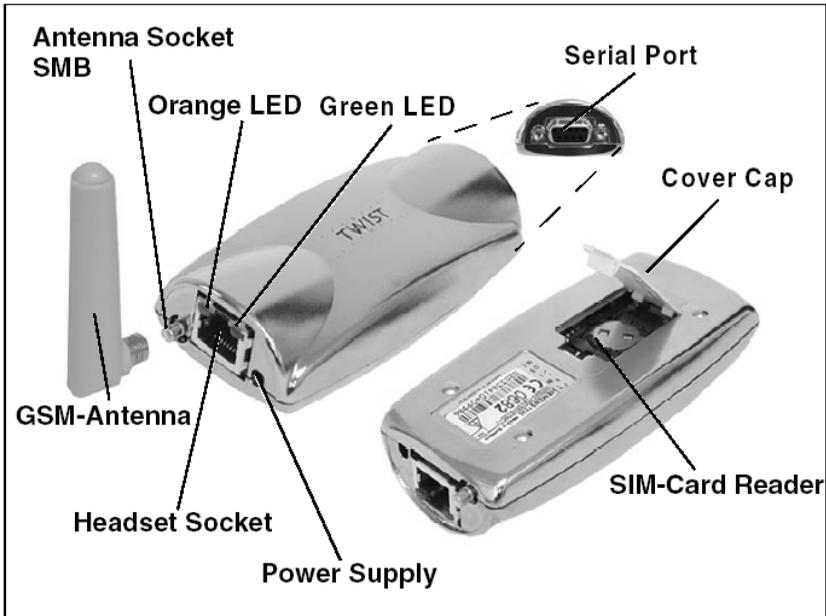
- Report system events (alarms, arm, disarm etc.) via text messaging to mobile telephones
- Remotely arm, disarm and obtain current status of the alarm system via text messaging
- High-speed modem communication for upload/download
- Backup signalling path for *Com300/2400* digital communicator



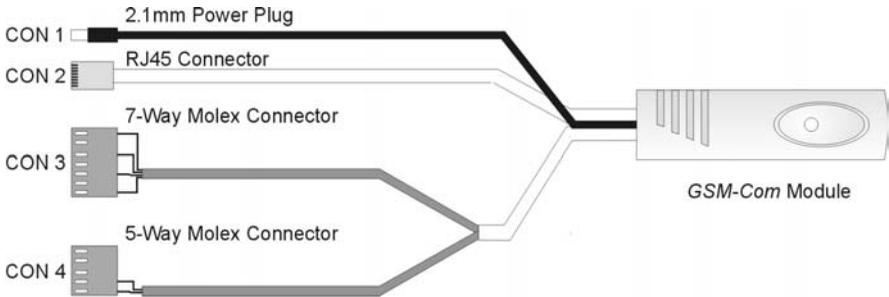
The GSM module is only supported on control panels fitted with software version 3.0 or above.

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.

## **GSM Module Parts and Layout**



## GSM-Com Connectors and Layout



Connector	Description
CON 1	This 2.1mm power plug should be plugged into the power socket on the GSM module.
CON 2	This RJ45 type connector should be plugged into the RJ45 Headset socket on the GSM module.
CON 3	This 7-way Molex type connector should be plugged onto Com 2 on the <i>Premier48/88/168</i> control panel.
CON 4	This 5-way Molex type connector should be plugged onto the AUDIO port on the <i>Premier Com300/2400</i> communicator (this is only required if you want to use the GSM Module as a backup for the <i>Com300/2400</i> ).

## Installation

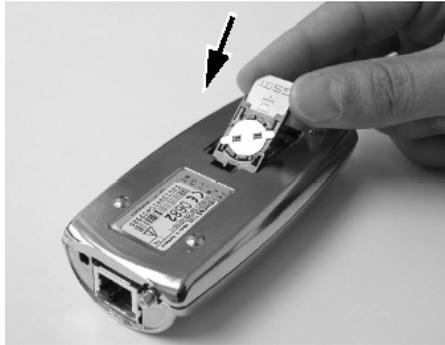
1. Insert the GSM antenna in the SMB socket of the GSM module.
2. Connect the RJ45 connector of the *GSM-Com* (CON 2) to the Headset socket of the GSM module.
3. Open the cover cap on the underside of the GSM module:



4. Turn the securing plate as far as it will go with the aid of the cover cap:



5. Flip the holder upwards. Slide the SIM card into the SIM card holder with the contact surface facing down and the flattened side at the top left:



6. Press the holder down and secure it with the securing plate. Close the opening with the cover cap.



**NOTE** The SIM card must be inserted before connecting the GSM module to the power supply, and must not be removed until after the power supply to the GSM module has been deactivated.

7. Attach the power cable (CON 1) of the *GSM-Com* to the GSM module.
8. Connect the 7-way molex of the *GSM-Com* to COM2 on the control panel. The green power led on the *GSM-Com* and the orange led on the GSM module should now be lit.
9. Connect the 5-way molex of the *GSM-Com* to the AUDIO port on the *Com300/2400* (if fitted).

## Panel Configuration

Before attempting to use the GSM 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 2 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. Select the “Radio/SMS options” menu and scroll down until the display shows the GSM signal level. Ensure that the level is between -10 and -95 dBm and the Bit Error Rate (BER) is less than 6.

## Using the SMS Control Commands

Control commands can be sent to the GSM 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 GSM 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 table on the next page 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 output, e.g. 1234 etc.

(message) = A maximum of 32 characters.

<b>SMS Control Commands</b>		
<b>Operation</b>	<b>Command</b>	<b>Example</b>
Arm System	???? <b>arm</b> [areas][s]	"5678 arm s" = arm all areas and report back status.
Part Arm System	???? <b>parm</b> (1/2/3)[s]	"5678 parm 1" = part arm 1 all areas (no status)
Disarm System	???? <b>darm</b> [areas][s]	"5678 darm abcs" = disarm areas abc and report back status.
Reset System	???? <b>reset</b> [areas]	"5678 reset" = reset all areas
Omit Zone(s)	???? <b>omit</b> (zones)	"5678 omit 1 5 12" = omit zones 1, 5 and 12
Unomit Zone(s)	???? <b>uomit</b> (zones)	"5678 uomit 12" = reinstate zone 12
Turn Outputs On	???? <b>op on</b> (outputs)[s]	"5678 op on 134" = turn PC outputs 1, 3 and 4 on.
Turn Outputs Off	???? <b>op off</b> (outputs)[s]	"5678 op off 4s" = turn PC output 4 off and report back status.
Send Message	???? <b>mess</b> (message)	"5678 mess How Are You" = Displays How Are You on all keypads.
System Status	???? <b>status</b>	"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	???? <b>status O</b>	"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	???? <b>status R</b>	"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:

<p style="text-align: center;">— My Home —</p> <p>3 Western Road 12:45.58 01/12 Zone 003 Alarm The Detector in the Lounge Area: A.....</p>	<p>— Name programmed into phone</p> <p>— Up to 16 characters of text (this is the Printer Header)</p> <p>— Time and Date</p> <p>— Event Type</p> <p>— Zone/User name text</p> <p>— Area that caused the event</p>
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## Standards

The *GSM-Com* and GSM 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.

## Notes

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