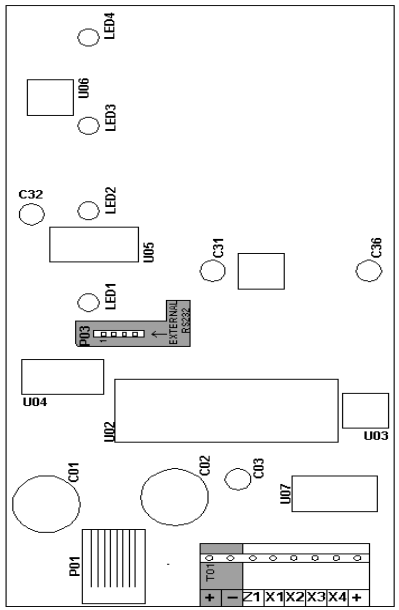
Indicator Lamps

Lamp	Off	On	Flashing
LED3	GSM Modem problem	GSM registered OK	GSM modem working but not yet registered.
LED4	No power applied	Power OK	Low DC voltage.

Note that when the GSM modem is registered and idle, LED3 will pulse off between 1 and 5 times, every 5 seconds. The number of pulses represents the signal strength. One pulse is barely enough signal for reliable communication, 5 pulses is the strongest signal.

GSM Modem Interface board layout



Programming

Please consult the Comms Task - GSM Modem section of your Programming Applications and Reference Manual for details on programming the GSM Modem.

Model 3000 / Access 4000

GSM Modem P/No: 994090

INSTALLATION MANUAL

Introduction

The GSM Modem is used in conjunction with Model 3000/Access 4000 systems to provide a pathway for alarm transmissions via the GSM network and to provide SMS control functions and SMS reporting.
Connection is via RS232 cable (included) to an available UART port.
The UART Interface (4port UART 993068; 2port UART 9906066; 1port UART 996065) is purchased separately. **Note: Port 0 connection is not supported.**

When the system sends text alarm messages to a nominated GSM Mobile phone, the message has a validity period of 168 hours (1 week). i.e. The message will be discarded by the network if not received by the nominated Mobile phone within 168 hours.
NOTE. RE: OLDER GSM MODEMS. Validity time was only 5 minutes in GSM Modem firmware V1.04, or earlier, shipped in June-August 2000. The firmware in these earlier units can be upgraded to V1.05 or later to provide 168 hours Validity time.

Specifications

Power Supply Input: 11V to 14V DC
Operational Current: Typical: 100mA
Physical dimensions: Length: 238mm Width: 118mm Depth: 72mm

Installation environment: 0° - 40° C @ 15% to 85% Relative humidity (non-condensing)

Part No: 634090

Installing the GSM Modem.

GSM Modem Parts List

GSM Modem Assembly in plastic enclosure.
GSM Modem Interface cable.
Antenna with integrated cable and connector.
Antenna bracket.
Installation kit:
- 2 x Tamper switches.
- 4 x Spade lugs.
- 1 x 8 way terminal block.
- 4 x Cover mounting screws.
- 1 x Jumper Link.

Installation Manual. (This document)

Mounting the Unit

Installation environment should be maintained at a temperature of 0º to 40º Celsius and 15% to 85% Relative humidity (non-condensing)

Enclosure physical dimensions:	Length:	238mm
	Width:	118mm
	Depth:	72mm

1. The GSM Modem is supplied in the plastic utility enclosure which can be mounted in a convenient location near the Control Module using fasteners through the four mounting holes in the base.

2. The "Normally Closed" Base and Lid tamper switches should be fitted to the enclosure before it is mounted, and are wired into an available zone input on any module. (Switch is Open cct when plunger depressed)

3. The GSM Modem contains an RF transceiver. You should be aware of any restrictions of the placement of RF transceivers in your location.
   This is the responsibility of the installer.

RS232 Connection

Before the GSM Modem interface cable can be used, one of the following UART board options must be fitted to the Control Module:

Type 1:	993065 Single Port UART.	993066 Dual Port UART.	993068 Four Port UART.
Type 2 (CE):	995065 Single Port UART.	995066 Dual Port UART.	995068 Four Port UART.

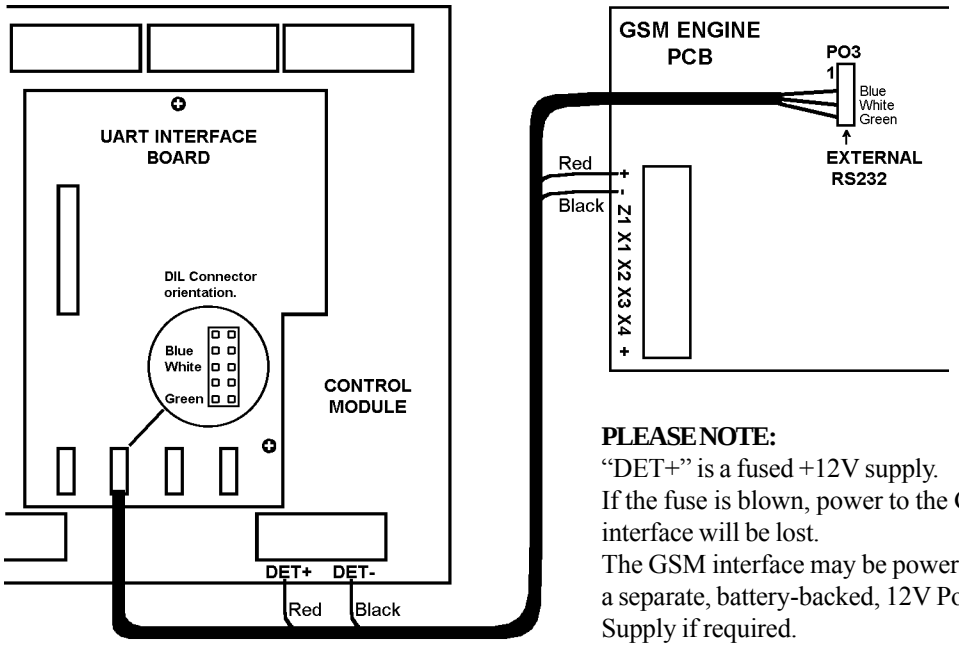
If fitting the UART board follow the installation instructions carefully, ensuring that the Control Module is powered down and battery disconnected before the UART is fitted.

The Header sockets on the GSM Modem interface cable are used to connect Header P03 on the GSM Modem interface to a Port on a Model 3000 / Access 4000 UART Interface board.

The red & black flying leads are used to connect T01 +ve and -ve on the GSM modem interface to Detector +ve and -ve on the Control Module using the supplied terminal blocks, or to a separate battery-backed 12V Power Supply. *(See Note below)*

Care should be taken to observe the polarity of the connector at P03 and the UART Port or communications will not be established. Damage may result from failure to observe correct orientation of the RS232 connection. *(refer to diagram below)*.

When programming the "GSM" Comms Task (MENU 7, 3, 1), the correct UART Port number must be selected and the Baud Rate MUST be set to 2400 baud.



PLEASE NOTE:
"DET+" is a fused +12V supply.
If the fuse is blown, power to the GSM interface will be lost.
The GSM interface may be powered by a separate, battery-backed, 12V Power Supply if required.