



SigNET 200/300 User Guide

Warning: While this system is an advanced design integrated security system, it does not offer guaranteed protection against burglary, fire or other emergency. Any alarm system, whether commercial or domestic, is subject to compromise or failure to warn for a variety of reasons.

Therefore, good installation practices, thorough testing, and regular maintenance by the installation company and frequent testing by the user are essential to ensure continuous satisfactory operation of the system. It is recommended that the installation company offer a maintenance program and instruct the user with the correct procedure for use and testing of the system.

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E-LAB-1543 SigNET 200/300 User Guide, Issue 01, Sept 2006



When changing or installing a expanders on the SigNET 200/300 system always ensure that all anti-static precautions are adhered to while handling connectors, wires, terminals and PCB's.

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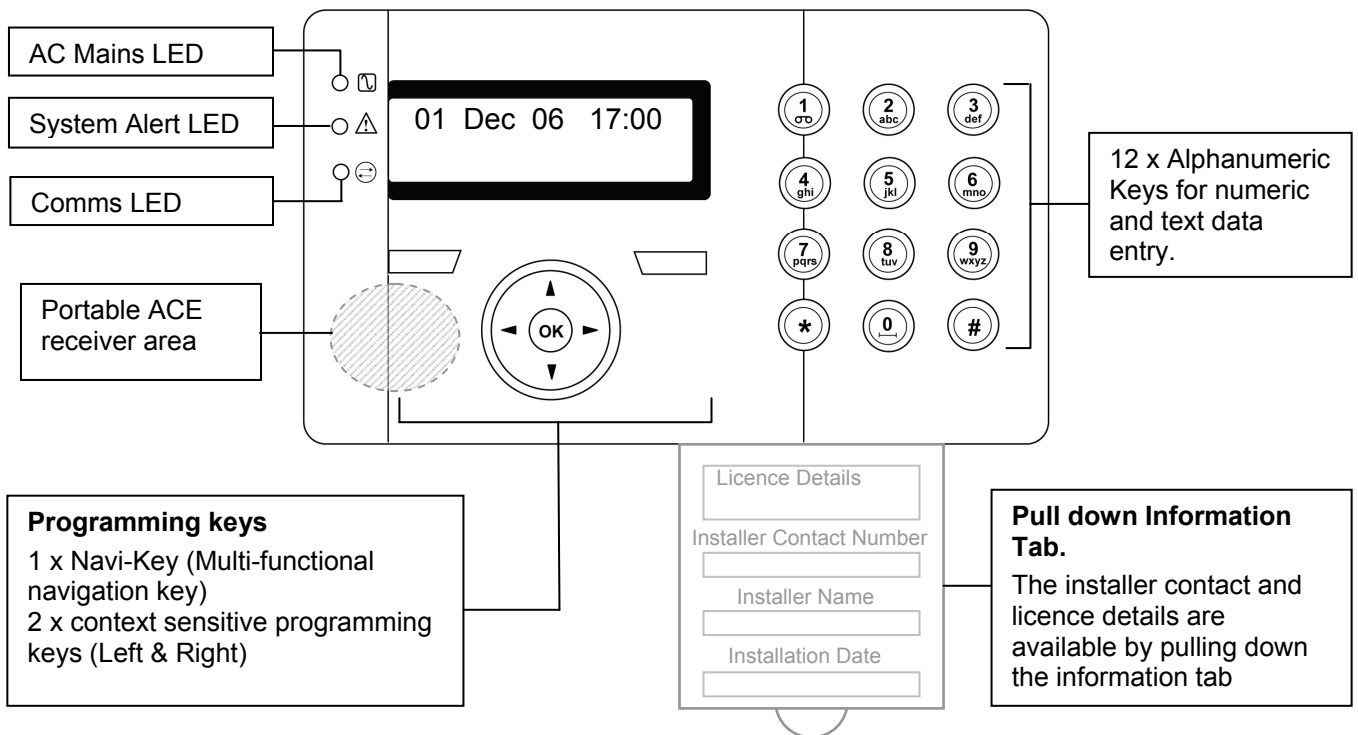
1. Introducing the SigNET 200/300 System

The SigNET 200/300 system must be installed by a qualified installation engineer. When the installation of the SigNET 200/300 has been completed, the engineer will provide you with a user password that will enable you to SET/UNSET and configure your system as required.

2. How to use your Keypad

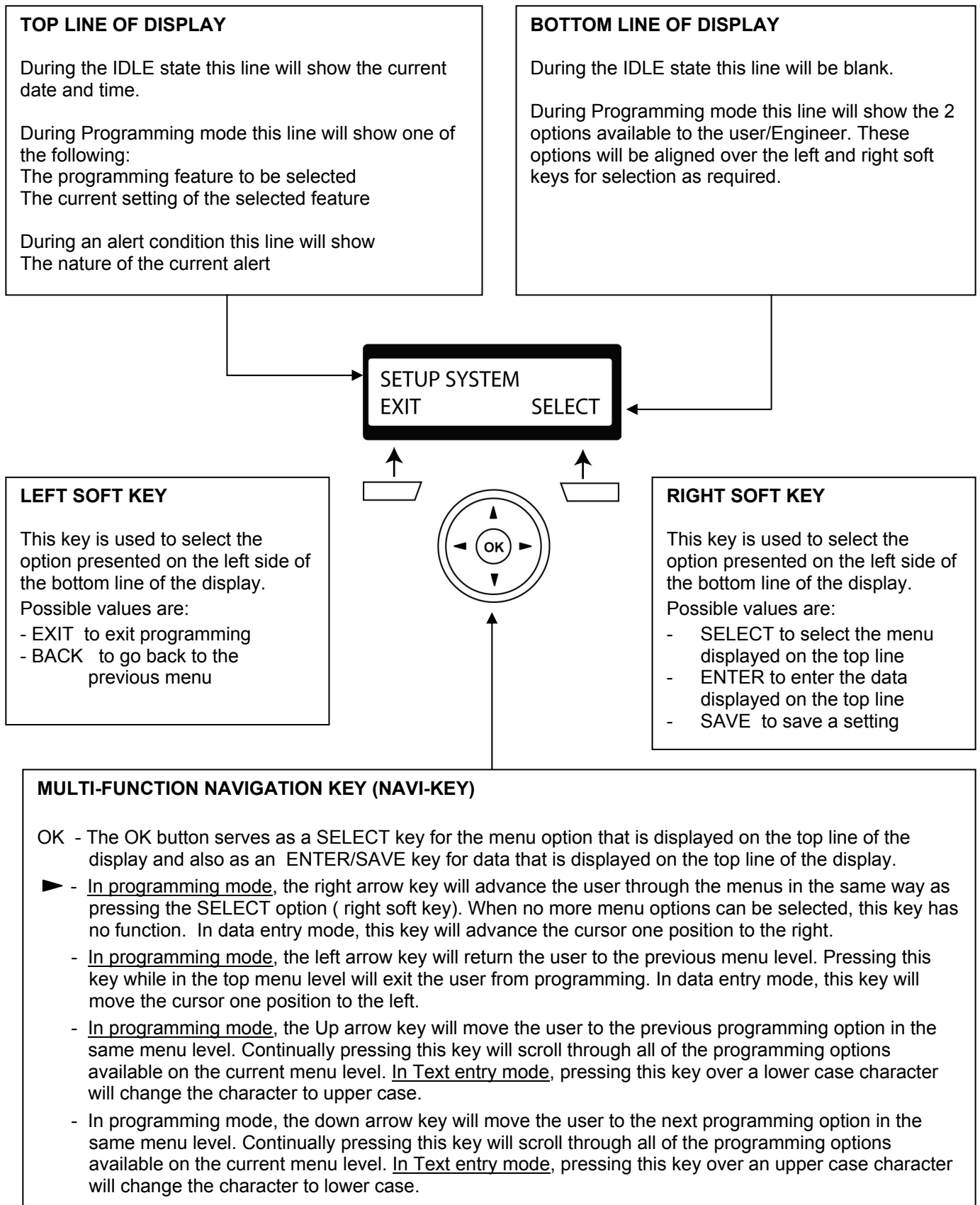
The SigNET Keypad is a wall mounted programming interface unit that allows you to enter User programming menus (password protected), and perform operational procedures (arm/disarm) on the system. The keypad unit includes an integral front tamper switch and a 2 line x 16 character display. Three LED's provide information on AC power, system alerts and communications status. The Keypad features an easy to use Navigation key (Navi-Key) to assist you in locating your required programming options and two context sensitive soft keys (left and right) allowing you to select the required menu or program setting.

The SigNET Keypad may be factory fitted with a Portable ACE (PACE) proximity device reader and/or a wireless module for the enrolment of wireless sensors.



LED Status Indicators	
AC Mains LED (Green)	This LED Indicates the presence, or failure of, the mains supply. LED FLASHING - AC Mains fault detected. LED STEADY – AC Mains OK
System Alert (Yellow)	This LED Indicates the occurrence of a system alert. When flashing, a text message on the display will indicate the location and nature of the alert. If the system is SET, then NO indication will be given of system alerts. LED FLASHING - System Alert detected. LED OFF – No Alert detected
Comms LED (red)	This LED Indicates the status of the EBUS communications when in FULL ENGINEER programming.

2.1 How to use the Keypad programming interface



2.2 Data entry on the SigNET Keypad

Entering data and navigating the menus on the SigNet Keypad is facilitated through the use of the programming interface. The use of the interface for each type of operation is detailed below.

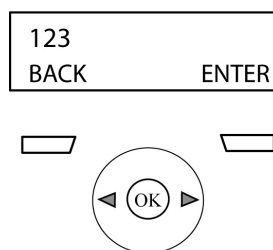
2.2.1 Entering Numeric values

In Numeric Input mode, you can only enter numeric digits (0 – 9) . This type of

Pressing the Left & Right arrow keys move the position of the cursor one character to the left and right respectively. To exit from the feature without saving press the BACK menu key.

To save the programmed setting press the ENTER menu key or the OK key.

Numeric Entry Mode



2.2.2 Entering Text

In Text Input mode, you can enter alphabetic characters (A-Z) or numeric digits (0 – 9). To enter an alphabetic character simply press the relevant key the required number of times. To enter a digit , hold the relevant key down for 2 seconds and release.

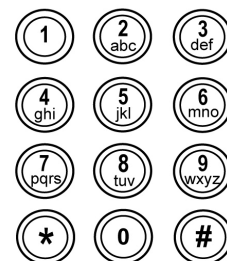
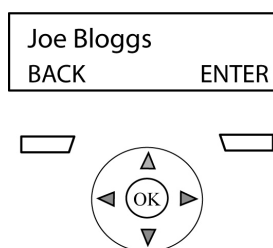
By pressing the Left and Right arrow keys you can move the position of the cursor one character to the left and right respectively. To change the case of an alphabetic character, simply press the up or down arrow keys when the character is highlighted by the cursor.

To exit from the feature without saving press the BACK menu key.

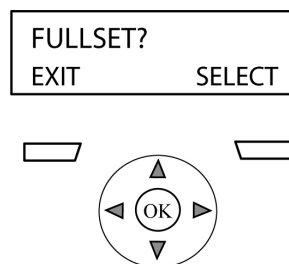
To save the programmed setting press the ENTER menu key or the OK key.

Pressing the hash (#) key toggles between upper and lower case character entry for all subsequent characters. Press the star key(*) to delete character to the left of the cursor.

Text Entry Mode



Navigating the Menu



2.2.3 Selecting a programming option

In navigation mode, the Engineer/User simply selects one of a number of pre-defined programming options from a list. Pressing the Up & Down arrow keys scrolls through the list of options available for selection. To exit from the feature without saving press the BACK menu key.

To save the selected option press the SAVE menu key or the OK key.



















Note

If X-10 has been set up on your system by the installation engineer, then an X10 device may be activated by pressing the hash (#) key followed by the device number.

3. Intruder alarm Operation

The operational features of the SigNET 200/300 system are described below. Your installation engineer will inform you of the user rights that have been assigned to your user profile. The settings that relate to the operation of these features are accessible from engineer programming (Default code 1111).

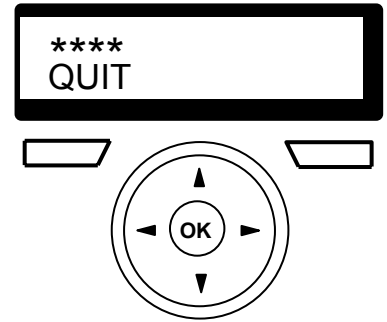
Operation		Description
UNSET		The Unset operation unsets the alarm. This menu option will only be presented on the keypad after an alarm has been activated and a valid user code has been entered.
RESTORE		The restore operation will restore an alert condition on the system and clear the alert message associated with that alert condition. An alert condition can only be restored after the zone(s) or fault(s) that triggered the alert condition have been restored to their normal operating state and the RESTORE option in user programming is selected for that zone.
FULLSET		<p>The fullset operation fully sets the alarm system and provides full protection to a building (opening of any alarm zones will activate the alarm).</p> <p>On selecting Fullset, the buzzer will sound and the keypad display will count down the Exit time period. Please exit the building before this time period has expired. When the exit time period has expired the system is set and opening of Entry/Exit zones will start the Entry timer. If the system is not Unset before the Entry timer expires then the alarm is activated.</p>
FORCESET		The forceset option is presented on the Keypad display when you attempt to set the system while an alarm zone is faulty or still open. (The top line of the display will show the open zone). Selecting this option will set the alarm and inhibit the zone for that set period.
PARTSET A		<p>This mode provides perimeter protection to a building while allowing free movement through the exit and access areas.</p> <p>Zones which have been classified as EXCLUDE A will remain unprotected in this mode. By default there is no exit time - the system sets instantly on selection of this mode. An exit timer can be applied to this mode by enabling the Partset A Timed variable.</p>
PARTSET B		<p>This setting mode applies protection to all zones except those, which have been classified as EXCLUDE B.</p> <p>By default there is no exit time, with the system setting instantly on selection of this mode. An exit timer can be applied to this mode by enabling the Partset A Timed variable.</p>

Menus	These Menu options are only available to Standard or Manager Type Users.	
INHIBIT		<p>Inhibiting a zone will de-activate that zone for one alarm set period. Only Alarm, Entry/exit, Fire exit and Line zone types can be inhibited.</p> <p>This is the preferred method of de-activating a faulty or open zone as the fault or open condition will be displayed on the keypad each time the system is being set to remind the user to attend to that zone.</p>
ISOLATE		<p>Isolating a zone will de-activate that zone until such time as the zone is De-isolated again. All zone types on the SigNET 200/300 can be isolated.</p> <p>Use of this feature to de-activate faulty or open zones should be considered carefully, as once a zone is isolated, it will be ignored by the system and may very well be overlooked completely when setting your system, thus compromising the security of your building or premises.</p>
SET DATE / TIME		<p>This menu option allows you to program the time and date on the system. Please ensure that the time and date information is accurate as these fields are presented in the event log when reporting system events.</p>
TEST	 	<p>This menu option provides you the following test features.</p> <ol style="list-style-type: none"> Bell test The Bell test will activate the external bells, the strobe, the internal bells and the buzzer in turn for 5 seconds approximately to ensure their correct operation. Walk Test A walk test allows you to test the operation of all of the alarm sensors on your system. On selecting this option, the keypad presents the number of zones to test on the system. Simply activate each alarm sensor (by opening the door or window) and check for an audible beep at the Keypad. Isolated and inhibited zones are not included in the walk test. Audible Options This option allows you to select which devices will activate during the walk test and which will be silent.
EVENT LOG		<p>This menu option will display the most recent event on the keypad display. The event log will detail the time and date for each logged event.</p>
CHIME		<p>All zones that have the CHIME attribute set will generate a short burst of audible tone on the keypad buzzer when they are opened (while the system is unset).</p> <p>This menu option allows you to enable or disable the chime feature on all zones.</p>
CHANGE CODE		<p>This menu option allows you to change your user code.</p>
SETUP SMS		<p>This feature allows you to setup the SMS messaging service if you have a modem installed on your system. Please consult your installation engineer when programming this option.</p>
GRANT ACCESS		<p>This option allows you to grant access to manufacturer and engineer programming.</p>

3.1 Entering User Programming

To access user programming simply enter the user code given to you by the installation engineer on the keypad. As digits are being entered they will be displayed as asterixes on the LCD and the left function key will present the option QUIT.

Press the QUIT key to abort user programming and return to normal operation mode.



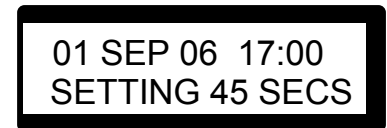
3.2 Setting the System -FULLSET

On entering a Valid User Code the user will be presented with the FULLSET option. The FULLSET operation is used to perform a complete arming of the system.

The FULLSET option provides the following functionality

- Full protection to a building (opening of alarm zones will activate the alarm)
- opening of Entry/Exit zones will start the Entry timer. If the alarm is not Unset before the Entry timer expires then the alarm is activated.

As soon as the user selects the FULLSET option the second line of the display will countdown the exit timer and the buzzer will sound to indicate that the user should exit the building. When the system has been fully set the LCD will display FULLSET on the bottom line for approximately 10 seconds.

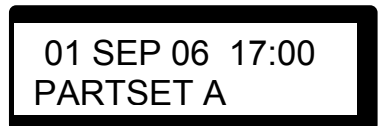


3.3 Setting the System – PARTSET A

The PARTSET A option provides the following functionality

- Perimeter protection to a building while allowing free movement through the exit and access areas.
- Zones which have been classified as **EXCLUDE A** remain unprotected in this mode
- By default there are no Exit times associated with PARTSET A and the alarm is activated instantly on selection of this mode.

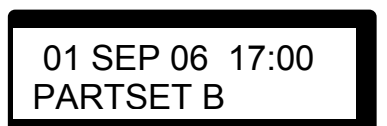
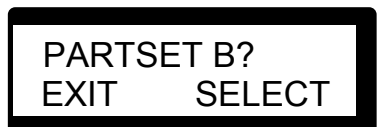
To select PARTSET A, enter user programming, scroll down to the PARTSET A option and press SELECT.




3.4 Setting the System – PARTSET B

The PARTSET B option provides the following functionality

- Perimeter protection to a building while allowing free movement through the exit and access areas.
- Zones which have been classified as **EXCLUDE B** remain unprotected in this mode.
- By default there are no Exit times associated with PARTSET B and the alarm is activated instantly on selection of this mode.



 Partset A and Partset B modes can be configured to use the Exit timer by enabling the PARTSET TIMED Variables in Engineer Programming .

Note

3.5 Unsetting the System

To UNSET an armed system enter your user code on the keypad. The Keypad display will prompt the user to unset the system. To Unset the system press the SELECT key.

The keypad display will indicate that the system is unset on the bottom line of the display for approximately 5 seconds. After this time has elapsed the bottom line will be cleared.

If the alarm has been activated, then on entering your user code all active bells and strobes will be turned off and the message – PANEL DISARMED – will be displayed on the keypad for approximately 5 seconds.

The source of the alarm condition will then be displayed on the keypad and the Alert LED will flash. The keypad will continue to display the alert until you restore the alert. (See 3.9 - Restoring an alert).

UNSET?
EXIT SELECT

01 SEP 06 17:00
UNSET

PANEL DISARMED

ALARM ZONE 2
FIRST ZONE

3.6 Fail to set

The user will fail to set the system if an open or fault condition is detected on any of the alarm zones when selecting the FULLSET or PARTSET A/B options. The Keypad Display will indicate this by flashing the text FAILED TO SET on the top line of the display followed by the Zone number and description.

To allow setting of the system, locate the zone and close or fix the fault. Repeat the FULLSET or PARTSET operation.

FAILED TO SET

ZONE 3
KITCHEN

3.7 Force Setting the System

If the user has the rights to perform a FORCE SET then the system can be forced to set while an alarm zone is still open. This operation will simply inhibit the open zone and set the system as normal.

If the user has the right to Force set the system and an alarm zone is open, then on selecting a FULLSET or PARTSET option, the keypad buzzer will beep and the first line of the display will indicate the open zone. The user will be presented with the options to QUIT or FORCE.

QUIT - Selecting this key will abort the attempt to set the system and return the user to user programming.

FORCE - Selecting this option will inhibit the open zone and force the system to set.

ZONE X OPEN
QUIT FORCE

FORCED SET?
BACK SELECT



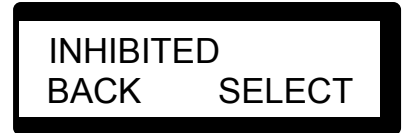
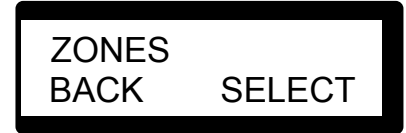
Note

Check with your installation engineer if you have been given the ability to force set the system.

3.8 Inhibiting a Zone

The user has the option to manually inhibit a Zone on the system from the keypad. The Inhibit operation is active for only one alarm set period.

- Enter your User programming code on the keypad, scroll down to the MENUS option and press SELECT.
- The INHIBIT option will be displayed on the Keypad. Press the SELECT key.
- Scroll down to the ZONES menu option and press SELECT.
- A list of zones on the system will be displayed. Select the required zone and toggle the setting from NOT INHIBITED to INHIBITED using the up/down arrow keys.
- Press the SELECT key and exit user programming.



Note

Only the Alarm, Exit/Entry, Fire exit and Line Zone types can be inhibited on the SigNET system. All other zone types will not be displayed in the inhibit menus.

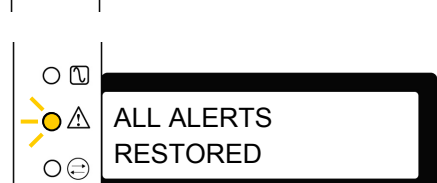
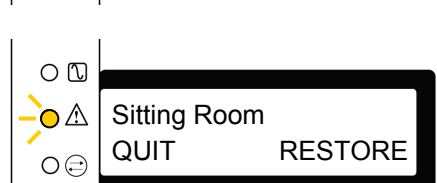
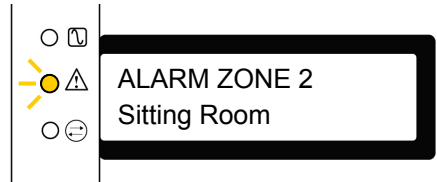
3.9 Restoring an alert

Alert conditions on the SigNET 200/300 are indicated on the keypad by a flashing yellow Alert LED (See 2 - How to use your Keypad) and by activation of the buzzer. Text on the keypad display will indicate the location and nature of the alert condition.

The ability of a user to restore alerts on the SigNET 200/300 system is programmed by your installation engineer. To restore an alert condition that is triggered by a zone opening, locate the open zone (displayed on the keypad display) and restore the alarm sensor to it's normal state (Close the door or window).

At the keypad enter your user code and select the RESTORE menu option. The zone that caused the alert will be displayed on the top line of the display. Press the right menu key to restore the alert. The message - ALL ALERTS RESTORED - will be displayed and the flashing Alert LED will turn off.

For system or communications type alert conditions (Mains failure or EBUS disconnect), locate the source of the alert condition and check that all wires and cables are properly connected. For a tamper alert, ensure that the lids on all enclosures and devices are correctly closed. If you cannot restore the physical fault to it's normal operating state please contact your installation engineer. You may still continue to operate your alarm system by either inhibiting or isolating the fault condition.



3.10 Isolating a Zone or fault

The user has the option to manually isolate a zone or fault on the system from the keypad. Isolating a zone will remove that zone from the system until such time as the user de-isolates it. To isolate a zone:

- Enter your User programming code on the keypad, scroll down to the MENUS option and press SELECT.
- Scroll down to the ISOLATE option using the up&down arrow keys.
- Press the SELECT key.
- Scroll down to the ZONES menu option and press SELECT.
- A list of zones on the system will be displayed. Select the required zone and toggle the setting from NOT ISOLATED to ISOLATED using the up/down arrow keys.
- Press the SELECT key and exit user programming.

```
MENUS
EXIT   SELECT
```

```
ISOLATE
EXIT   SELECT
```

```
ZONES
BACK   SELECT
```

```
ZONE 1
BACK   SELECT
```

```
ISOLATED
BACK   SELECT
```

3.11 Setting the Time and Date

The user has the option to manually enter the date and time on the system. The time and date information is displayed on the keypad and browser and is used on the time related programming features.

To program the Date and Time:

- Enter your User programming code on the keypad, scroll down to the MENUS option and press SELECT.
- Scroll down to the SET DATE/TIME option using the up&down arrow keys.
- Press the SELECT key.
- The date will be displayed on the top line of the display. To enter a new date simply press the required numeric keys on the keypad. To move the cursor to the left and right press the left and right arrow keys. On editing the date as required press the ENTER key to save. If an attempt is made to save an invalid date value, the text INVALID VALUE is displayed for 1 second and the user is prompted to enter a Valid date.
- The time will be displayed in 24hour format on the top line of the display. To enter a new time press the required numeric keys on the keypad. To move the cursor to the left and right press the left and right arrow keys. On editing the time as required press the ENTER key to save. If an attempt is made to save an invalid time value, the text INVALID VALUE is displayed for 1 second and the user is prompted to enter a Valid time.

```
MENUS
EXIT   SELECT
```

```
SET DATE/TIME
EXIT   SELECT
```

```
DATE 01/09/2006
BACK   ENTER
```

```
TIME 11:12:35
BACK   ENTER
```

3.12 Performing Tests on the system

The user has the option to perform simple tests on the system to determine if the bells, buzzers and other audible devices are operating correctly.

To perform a test on the system:

- Enter your User programming code on the keypad, scroll down to the **MENUS** option and press **SELECT**.
- Scroll down to the **TEST** option using the up&down arrow keys and press the **SELECT** key.
- The User will be presented with the option to select a **BELL TEST**, **WALK TEST** or test the **AUDIBLE OPTIONS**.
- On selecting **BELL TEST**, the user will be presented with the options - external bells, strobe, internal bells and Buzzer. On selecting these options each one will sound in turn to verify that the device is operating correctly.
- On Selecting **WALK TEST**, the user can test the operation of each alarm device by activating the device and checking to hear if an audible beep is given at the keypad.
- The **AUDIBLE OPTIONS** settings determine which devices will sound during the walk test and which will not.

```
MENUS
EXIT      SELECT
```

```
TEST
EXIT      SELECT
```

```
BELL TEST
BACK      ENTER
```

```
EXT BELLS
BACK      NEXT
```

3.13 Viewing the Event Log

The user can view a list of the most recent events on the system by selecting the event log option. The most recent event will be displayed on the bottom line of the display with all previous events displayed for 1 second in turn.

To view the event log on the keypad:

- Enter your User programming code on the keypad, scroll down to the **MENUS** option and press **SELECT**.
- Scroll down to the **EVENT LOG** option using the up/down arrow keys and press the **SELECT** key.
- The Keypad display will show the most recent event logged on the system on the bottom line with all previous events lashed for a 1 second period in turn.
- To view an event from a particular date, enter the date on the numeric keys.

```
MENUS
EXIT      SELECT
```

```
EVENT LOG
EXIT      SELECT
```

```
01 SEP 06 17:00
INHIBIT: ZONE 3
```

3.14 Allowing Engineer Access

A user can allow an engineer to access to the system. This access will be permitted for the Engineer Access time defined in the system timers menu.

When Engineer access has been allowed by the user the keypad display will display the text **ENGINEER ENABLED** on the top line of the display.

- Enter your User programming code on the keypad, scroll down to the **MENUS** option and press **SELECT**.
- Scroll down to the **GRANT ACCESS** option using the up/down arrow keys and press the **SELECT** key.
- Select the **ALLOW ENGINEER** option and select **ENABLED**.

```
MENUS
EXIT      SELECT
```

```
GRANT ACCESS
EXIT      SELECT
```

```
ALLOW ENGINEER
BACK      SELECT
```

