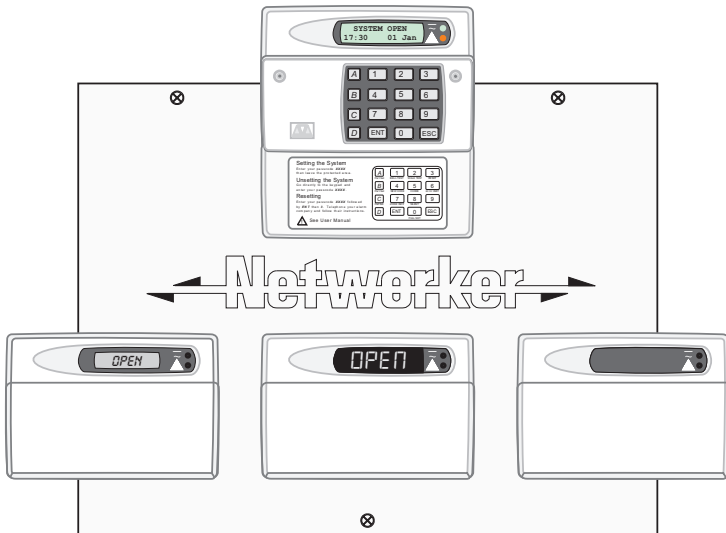


TS2500

Intruder Alarm Control Panel



Operators Manual

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Alarm Receiving Centre	A permanently manned monitoring station used to receive alarm signals from an alarm system.
Chime	A facility which allows selected detection circuits to generate a two tone sound when triggered.
Detection Circuit	All detection devices, (e.g. magnetic contacts, movement sensors) are connected to detection circuits. Each circuit is allocated a number which identifies the detection device. For example, a room protected by a movement sensor may be "Circuit 1001", while a door protected by a magnetic Contact may be "Circuit 1002".
Digital Communicator	A signalling device fitted to the system which will transmit alarm information via the telephone line to the alarm receiving centre.
Downloading	A process which allows the alarm system to be remotely interrogated and programmed using a computer and modem.
Duress	A means of entering a passcode which generates a silent alarm via the signalling device (if fitted) to a the alarm receiving centre.
Entry Time	A pre-set time delay to allow the user to enter the protected area and access the remote keypad without causing an alarm.
Event Log	A record of system activity which is stored in memory (maximum of 4000 events).
Exit/Entry Route	The route which must be used when entering or leaving the protected area when the alarm system is being set.
Exit Terminator	An external push button switch used to complete the setting of the alarm system.
Exit Time	A pre-set time delay to allow the user to leave the protected area after initiating the setting procedure.
Final Exit	The door or detector used when leaving and entering the protected area.
Full Set	The state of the alarm system when it is protecting all areas of the premises.

Master User	The user(s) who has the authority for assigning new users to the alarm system.
Modem	A device for transmitting and receiving data to and from a computer via the telephone line.
Omit	To intentionally exclude the monitoring of one or more detection circuits when setting the alarm system.
P.A(Panic Alarm)	An emergency push button switch used to activate an alarm. The alarm signal will also be transmitted to the alarm receiving centre if a signalling device is fitted to the alarm system.
Part Set	The state of the alarm system when it is protecting part of the premises.
Passcode	A unique number which must be entered before the alarm system can be operated.
Remote Keypad	A device located away from the main control panel that is used to operate the alarm system.
Reset	The action required to return the alarm system to its normal state after an alarm condition.
Set	To arm one or more wards.
System Open	The status of the system when all wards are unset.
Tamper Alarm	An alarm caused by the system being physically interfered with.
24hr Circuit	A circuit that is monitored at all times.
Unset	To disarm one or more wards.
Users	Persons allocated a passcode which allows them to operate the alarm system.
Wards	A group of detection circuits that can be set or unset independently of each other.

The TS2500 is an advanced security alarm control system using state of the art electronics to provide comprehensive but flexible protection for both large domestic and commercial premises. The system comprises of a number of components linked to a central control unit which is concealed from view but accessible for maintenance.

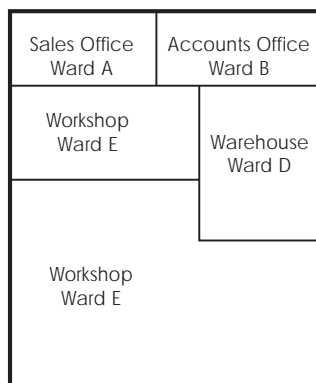
This manual describes the basic operating procedures for your alarm system. For details of all operating procedures refer to the *"Managers Operating Manual"*.

To avoid unnecessary operating errors please discuss the details of your alarm system with your alarm company or master user before attempting to use it. Also ensure that alarm company completes the system record sheets at the back of this manual.

Detection Circuits

A maximum of 1040 detection circuits can be monitored by the TS2500 alarm system. Each circuit is allocated a unique 4 digit circuit number and a 16 character text description which is used to identify the particular circuit. Your alarm company will have programmed each circuit to respond in a certain way when the circuit is activated during the set or unset state.

Wards



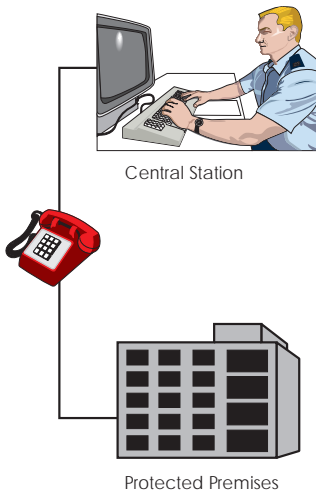
Wards allow the system to be broken down into specific areas so that parts of the system can be set and unset independently, Users can be given access to all wards or limited to specific wards. If a user does not have access to a particular ward they cannot set or unset that ward.

The TS2500 can be broken down into 16 wards, each ward is identified using the letters A - P. When the system is part set the display will show which wards are currently set.

Overview

Communication Devices

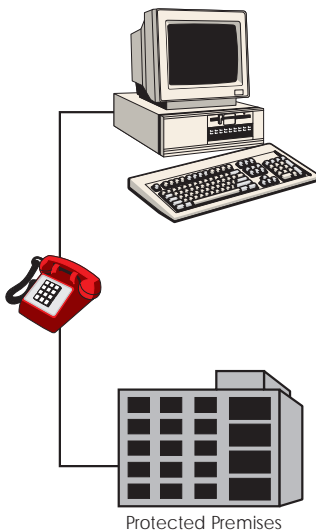
Remote Signalling



Your alarm system may be fitted with a digital communicator or RedCARE unit. The device is connected to your telephone line and in the event of an alarm activation, the device will signal the alarm condition to the alarm receiving centre. Where upon the necessary police action can be taken.

If your system has been fitted with such a device it is very important that you fully understand how to operate your alarm system. *Operator misuse may result in the police attending your premises under false conditions.*

Downloading



A personal computer (PC) can be linked into your alarm system via the telephone line to allow remote programming and testing of the alarm system. This feature is known as "Downloading" and is normally performed by your alarm company or alarm receiving centre with your authorisation. An example of this feature would be for your alarm company to dial into your alarm system and adjust your entry time.

Your alarm system can be operated from one or more remote keypads, which will have been strategically located within the protected premises.

Arming station

The remote arming station can only be used to set and unset the alarm system.



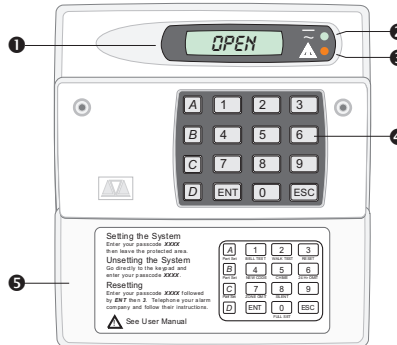
LED Keypad

The LED remote keypad can only be used to set and unset the alarm system.



Starburst Keypad


The Starburst remote keypad can only be used to set and unset the alarm system.



The LCD remote keypad is the only keypad that will display full information. Any kind of programming or testing of the system, must be done using this type of keypad.

LCD Keypad

The LCD remote keypad is a full function keypad and can be used to program, test, set and unset the alarm system.

 This is the remote keypad that is referred to throughout this manual.



- ❶ **Display** - Used to show the system time (LED & Starburst), along with other system messages (LCD only).
- ❷ **Green Power Indicator** - Flashes if no mains power is present. Steady when mains power is present.
- ❸ **Red Function Indicator** - Can be programmed by the alarm company, to indicate a fault, set or part-set etc.
- ❹ **Keyboard** - Used for operating your alarm system.
- ❺ **Cover** - Fold-down cover with quick guide operating instructions.

Passcodes

Access to the system is gained by entering a 4 or 6 digit passcode. Every time you wish to use the system your passcode must be entered correctly.

User Types

The TS2500 can have up to 199 separate users each user is assigned a passcode, an access level and wards.

User Menus

The system has 4 users menus, with each menu having between 9 and 12 options.

User menu 1 is accessed by entering your passcode followed by the **[ENT]** key. Access to user menus and options will depend on your user access level.

When a menu option is selected you may abandon the option by pressing the **[ESC]** key. To leave the user menus and return the system to its original state simply keep pressing the **[ESC]** key.

Banner Message

The banner message is normally shown on the top line of display when the system is unset or full set. This message is configured by the installation engineer and is usually set to the alarm company's name.

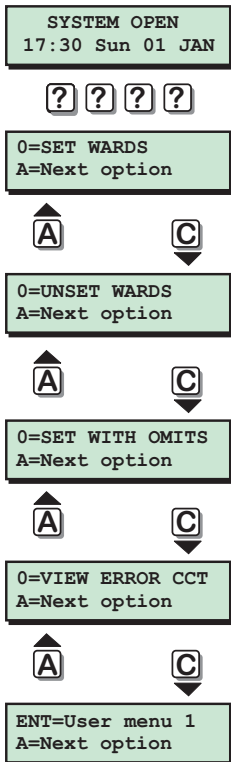
Engineer on site

When your alarm company has an engineer on site and is logged into the system, the top line of keypads will show "ENGINEER ON SITE". You can continue to operate the system as normal, if required. The message is automatically cleared when the engineer logs off.

The set/unset menu is displayed whenever you enter your passcode. Pressing **ESC** whilst the menu is displayed will return the system to its original state.

The set/unset menu has several options, however, only options that are relevant will be displayed, e.g. if all wards are unset, the option to unset wards will not be displayed.

You can scroll forwards through the options by pressing the **A** key and backwards by pressing the **C** key.



Set Wards

Pressing **0** will set your selected wards. Pressing **8** will set your selected wards silently.

Pressing **B** will allow you to access the part set groups.

Unset Wards

Pressing **0** will unset your selected wards.

Set With Omits

Pressing **0** will set your selected wards with pre-defined circuits omitted.

View Error Circuits

Pressing **0** will display the circuits that prevented your wards from setting.

User Menu 1

Pressing **ENT** will select user menu 1.

Setting of wards can only be performed at a valid remote keypad. If you attempt to set a ward from an invalid remote keypad the display will show: Cannot 'SET' from this keypad.

Before attempting to set your ward, ensure all doors and windows are securely closed and the wards to be protected are vacated.

SYSTEM OPEN
17:30 Sun 01 JAN



0=SET WARDS
A=Next option

0


EXIT FOR WARDS:-
A.....



A.....
17:31 Sun 01 JAN



1. At the remote keypad enter your passcode.
2. Press **0** to set your ward(s) or **8** to set your wards silently.
3. Leave the area to be protected by the designated exit route. The internal sounder will sound.
4. Close the final door and press the exit terminator button (if fitted).
5. When the internal sounder stops the ward(s) is set.

 *If the exit tone changes to an alarm tone, you must re-enter the protected area and enter your passcode. The display will show the ward(s) which failed to set.*

If your user code is assigned to more than one ward, you may be able to select the wards that you want to set after selecting the SET WARDS option.

SYSTEM OPEN
17:30 Sun 01 JAN

? ? ? ?

0=SET WARDS
A=Next option

0

Set Wards :-
,,*,*,*,*,*,*

1-8 or A/C

e.g. 2

Set Wards :-
,B,,*,*,*,*,*

ENT


EXIT FOR WARDS:-
.B.....



.B.....
17:30 Sun 01 JAN



1. At the remote keypad enter your passcode.
2. Press **0** to set your ward(s) or **8** to set your wards silently.
3. Select wards by pressing **1** - **8**, pressing **A** or **C** will toggle the display between wards A - H & wards I - P.
4. When the required wards are displayed press **ENT** to set them.
5. Leave the area to be protected by the designated exit route. The internal sounder will sound.
6. Close the final door and press the exit terminator button (if fitted).
7. When the internal sounder stops the ward(s) is set.

 *If the exit tone changes to an alarm tone, you must re-enter the protected area and enter your passcode. The display will show the ward(s) which failed to set.*

When starting the exit procedure, any active circuits, will cause the panel to enter into a fault mode. Whilst in this mode, the exit procedure is temporarily suspended.

SYSTEM OPEN
17:30 Sun 01 JAN



0=SET WARDS
A=Next option

0

Following ccts
are in error :-

Office window
2002 Active

Office door
2001 Active

Clear detectors
e.g. Close Door
& Window

NO ERROR CCTS
PRESS ENT TO SET


ENT



.B.....
17:30 Sun 01 JAN



1. At the remote keypad enter your passcode.
2. Press **0** to set your ward(s) or **8** to set your wards silently.
3. The sounder will give a low fault tone and the exit procedure will be temporarily suspended, the display will also automatically show all circuits that are in fault. Pressing **A** or **C** will scroll through these circuits.
4. Check the circuits displayed, when all circuits show healthy, press **ENT** to restart the exit procedure.
5. Leave the area to be protected by the designated exit route. The internal sounder will sound.
6. Close the final door and press the exit terminator button (if fitted).
7. When the internal sounder stops the ward(s) is set.

 *This procedure is a programmable option, and will only be displayed if enabled by your installation company.*

Unsetting of wards can only be performed at a valid remote keypad. If you attempt to unset a ward from an invalid remote keypad the display will show: Cannot 'UNSET' from this keypad.




ENTRY A.....
Enter Your Code!



SYSTEM OPEN
18:30 Sun 01 JAN



1. Enter the protected area via the designated entry point, the internal sounder will sound.
2. Proceed directly to the remote keypad and enter your passcode. The internal sounder will stop.

 *If your passcode is not entered before the entry timer expires an alarm tone will be generated from the internal sounders.*

A second entry timer is then started. If you fail to enter your passcode before the second entry timer expires a full alarm condition will occur.

If your user code is assigned to more than one ward you may be able to select the wards that you want to unset.

AB.....
17:30 Sun 01 JAN



ENTRY A.....
Enter Your Code!

? ? ? ?

Unset wards :-
A,*,*,*,*,*,*,*

1-8 or A/C

e.g. 2


Unset wards :-
A,B,*,*,*,*,*,*

ENT

SYSTEM OPEN
17:30 Sun 01 JAN



1. Enter the protected area via the designated entry point, the internal sounder will sound.
2. Proceed directly to the remote keypad and enter your passcode. The display will show that the ward in entry is going to be unset.
3. Select other wards by pressing 1 - 8, pressing A or C will toggle the display between wards A - H & wards I - P.
4. When the required wards are displayed press ENT to unset them. The internal sounder will stop.

 *If your passcode is not entered or ENT is not pressed before the entry timer expires an alarm tone will be generated from the internal sounders.*

A second entry timer is then started. If you fail to enter your passcode or press ENT before the second entry timer expires a full alarm condition will occur.

The TS2500 can store up to 10 pre-defined part set groups, each group is allocated a combination of wards, e.g. "PART SET GROUP 1" could be allocated wards A and C, whereas "PART SET GROUP 2" could be allocated wards A and B etc.

SYSTEM OPEN
17:30 Sun 01 JAN

? ? ? ?

0=SET WARDS
A=Next option

B

SALES & CANTEEN
A.C.....

1 - **9** or **0**

e.g. **2**

SALES & ACCOUNTS
AB.....

ENT

EXIT FOR WARDS:-
AB.....



AB.....
17:30 Sun 01 JAN



1. At the designated remote keypad enter your passcode.
2. Press **B** to select the PART SET GROUPS.
3. Select the group by pressing **1** - **9** or **0**. As you press the keys the top line of the display will show the group description and the bottom line will show the wards that will be set.
4. When you have the required group displayed press **ENT** to set the selected group.
5. Leave the area to be protected by the designated exit route. The internal sounder will sound.
6. Close the final door and press the exit terminator button (if fitted).
7. When the internal sounder stops the ward(s) is set.

The TS2500 can store up to 10 pre-defined part set groups, each group is allocated a combination of wards, e.g. "PART SET GROUP 1" could be allocated wards A and C, whereas "PART SET GROUP 2" could be allocated wards A and B etc.

ABCD.....
17:30 Sun 01 JAN

? ? ? ?

0=UNSET WARDS
A=Next option

B

MAIN OFFICE
AB.....

1-9 or **0**

e.g. **2**

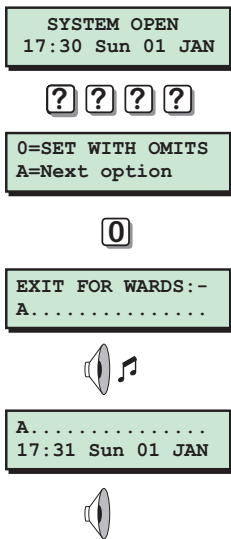
SALES & ACCOUNTS
..CD.....

ENT


AB.....
17:30 Sun 01 JAN

1. At the designated remote keypad enter your passcode.
2. Press **B** to select the PART SET GROUPS.
3. Select the group by pressing **1** - **9** or **0**. As you press the keys the top line of the display will show the group description and the bottom line will show the wards that will be unset.
4. When you have the required group displayed press **ENT** to unset the selected group.

If you have configured the alarm system to omit one or more circuits, you may set your wards with those circuits omitted. For details on selecting the circuits to be omitted, see "Omitting Circuit" on page 29. If no circuits are selected the option to "SET WITH OMITS" will not appear in the set/unset menu.



1. At the remote keypad enter your passcode.
2. Press **0** to set with circuits omitted. If you want to set without circuits omitted, press the **A** key until the display shows "0 = SET WARDS".
3. Leave the area to be protected by the designated exit route. The internal sounder will sound.
4. Close the final door and press the exit terminator button (if fitted).
5. When the internal sounder stops the ward(s) is set and the selected circuits are omitted.

 *If the exit tone changes to an alarm tone, you must re-enter the protected area and enter your passcode. The display will show the wards which failed to set.*

When the ward(s) is unset all previously omitted circuits are reinstated.

SET FAIL:-
A.....



[?] [?] [?] [?]

SET FAIL:-
A.....

[?] [?] [?] [?]

0=SET WARDS
A=Next option

[A]

0=VIEW ERROR CCT
A=Next option

[0]

Show for wards:-
A,.....

[1]-[8] or [A]/[C]

Select/deselect wards

[ENT]

Office door
2001 Active

Office window
2002 Active

Check the displayed
circuits

Office door
2001 Healthy

Office window
2002 Healthy

Circuits now show
healthy

[ESC]

0=SET WARDS
A=Next option

Press [0] to set wards
or [ESC] to return to
the unset mode

If during the setting procedure one or more circuits remain active, the alarm system will fail to set. The internal sounder will sound and the external strobe will flash.

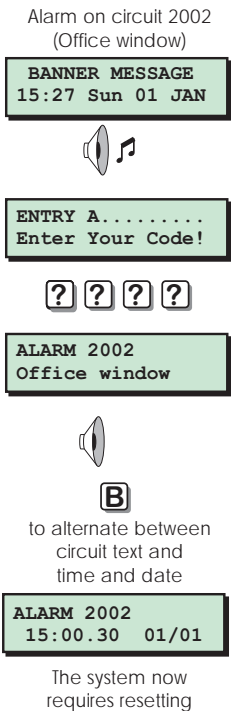
Before the alarm system can be successfully set you must ensure that the circuits that caused the "SET FAIL" condition are healthy.

The following procedure describes how to view the circuits that cause the "SET FAIL" condition, so that you can check and rectify the faults. Once rectified you should be able to successfully set your wards.


From a "SET FAIL" condition:

1. Re-enter the protected area and proceed directly to the remote keypad.
2. Enter your passcode, the display will show which ward failed to set.
3. Enter your passcode and press [A] until the display shows "0=VIEW ERROR CCT".
4. Press [0] the display will prompt you to select which wards you want to check.
5. To select or deselect wards A- H press [1] - [8]. To select or deselect wards I - P press [A] then [1] - [8].
6. Check the displayed circuits, when all circuits show healthy you are ready to set.
7. Press [ESC] and press [0] to set your wards.

If an alarm has occurred whilst the system was set, the display will indicate the cause of the alarm when you unset the system. Once the cause of the alarm has been established the system must be reset, see "Resetting after an Alarm" on page 20.



1. Enter the protected area via the designated entry point. The internal sounder will sound.
2. Proceed directly to the remote keypad and enter your passcode. The internal sounder will stop.
3. The display will show the circuit that caused the alarm.
4. By pressing the **[B]** key the display will alternate between the circuit text, e.g. Office window and the logged time/date of the alarm, e.g. 15:00.30 01/01.
5. The system now requires resetting.

 *If the alarm system is not reset after an alarm has occurred the internal sounder will generate a reset warning chime every minute as a reminder. To silence this tone simply re-enter your passcode.*

Each ward can be configured to be reset by one of the following methods:

User Reset

Full alarms generated in a ward that is configured as user reset can be reset by any user that has access for that ward.

From step 5 of "Unsetting after an Alarm":

ALARM 2002
15:00.30 01/01

? ? ? ? ESC

SYSTEM OPEN
15:45 Sun 01 JAN

1. At the designated remote keypad enter your passcode.
2. Press **ESC**.
3. Your ward(s) is now reset.

Engineer Reset

Full alarms generated in a ward that is configured as engineer reset can only be reset by the engineer.

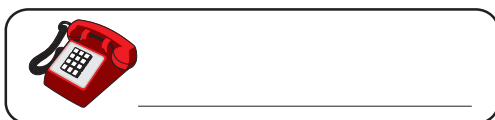
From step 5 of "Unsetting after an Alarm".

ALARM 2002
15:00.30 01/01

? ? ? ? ESC

CALL ENGINEER TO
RESET SYSTEM

1. At the designated remote keypad enter your passcode. This will silence the reset warning chime.
2. Every minute the display will inform you of the action to take (normally "CALL ENGINEER TO RESET SYSTEM" although your alarm company can change this to more relevant information).
3. Contact your alarm company.



Remote Reset

Full alarms generated in a ward that is configured as remote reset can be reset by the engineer or the user via the exchange of unique passcodes.

From step 5 of "Unsetting after an Alarm".

ALARM 2002
15:00.30 01/01

? ? ? ?

CALL A.R.C. FOR
REM. RESET CODE

? ? ? ? ENT

- REMOTE RESET -
QUOTE > ????

Enter reply code
? ? ? ?

- REMOTE RESET -
REPLY > ????

ENT

SYSTEM OPEN
15:30 SUN 01 JAN

1. At the designated remote keypad enter your passcode.
2. Every minute the display will inform you of the action to take (normally "CALL A.R.C FOR REM. RESET CODE", although your alarm company can change this to more relevant information).
3. Enter your passcode followed by the **ENT** key.
4. The display will advise you of the number to quote to your alarm receiving centre.
5. Contact your alarm receiving centre.



6. You will be asked to report the circumstances of the alarm. If the alarm receiving centre decides you do not require an engineer, a 4 digit remote reset code will be given to you.
7. Enter the 4 digit remote reset code followed by the **ENT** key and the system will return to its normal condition.

```
SYSTEM OPEN
17:30 Sun 01 JAN
```

```
? ? ? ? ENT
```

```
User menu 1
Select option :-
```

A = Forwards

C = Backwards

1 User menu 1
Do Bell test

2 User menu
Do Walk Test

3 User menu 1
Use remote reset

4 User menu 1
Change passcode

5 User menu 1
Select chime

6 User menu 1
24hr omit/unomit

7 User menu 1
Omit circuits

8 User menu 1
Silent set wards

0 User menu 1
Set/Unset menu

User menu 1 is accessed by entering your passcode followed by **ENT**. There are 9 menu options and access to these options will depend on your access level.

Each option has a "hotkey" and can be selected by pressing the relevant number, e.g. "Do Walk Test" is assigned to key **2**, so to select the weak test option press **2** followed by **ENT**.

Alternatively you can use the **A** & **C** keys to scroll forwards and backwards through the available options. As you press the **A** & **C** keys the bottom line of the display will show the selected menu option. When you have found the required option press the **ENT** key to perform the option.

To leave user menu 1 and return the system to its original state simply keep pressing the **ESC** key until the display shows the time and date.

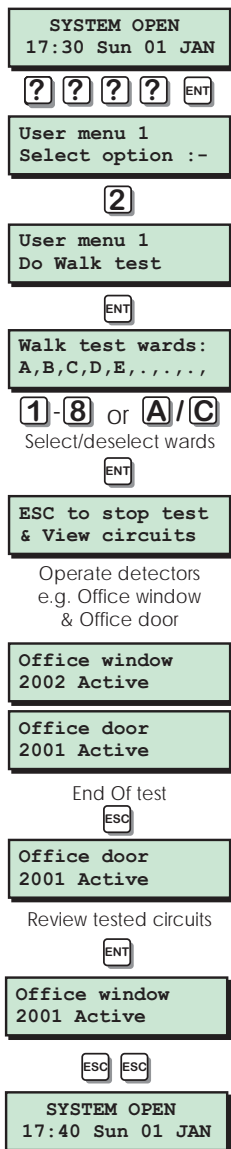
User Menu 1

Testing Bells & Sounders

This option allows you to periodically test the external sounders (bell and strobe) and internal sounders.

```
SYSTEM OPEN
17:30 Sun 01 JAN
[?] [?] [?] [?] [ENT]
User menu 1
Select option :-
[1]
User menu 1
Do Bell test
[ENT]
Bell test wards:
A,B,C,D,E,.....
[1]-[8] or [A]/[C]
Select/deselect wards
[ENT]
Bell on only
ABCDE.....
[ENT]
Bell & strobe on
ABCDE.....
[ENT]
Strobe on only
ABCDE.....
[ENT]
Alarm sounder on
ABCDE.....
[ESC] [ESC] [ESC]
SYSTEM OPEN
17:40 Sun 01 JAN
```

1. At the remote keypad enter your passcode followed by **[ENT]**.
2. Press **[1]** followed by **[ENT]** to select the bell test option.
3. The display will show which wards are selected for bell test.
4. To select or deselect wards A - H press **[1]** - **[8]**. To select or deselect wards I - P press **[A]** then **[1]** - **[8]**.
5. Once you have the required wards selected press **[ENT]** to start the test.
6. The external sounder is active. Press **[ENT]** for next test or **[ESC]** to end.
7. The external sounder & strobe is active. Press **[ENT]** for next test or **[ESC]** to end.
8. The strobe is active. Press **[ENT]** for next test or **[ESC]** to end.
9. The internal alarm sounder is active. Press **[ENT]** to repeat all tests or **[ESC]** to end.
10. Press **[ESC]** twice to return the system to its original state.



This option allows you to periodically test the operation of detection circuits. You can only select or deselect the wards that you have access to.

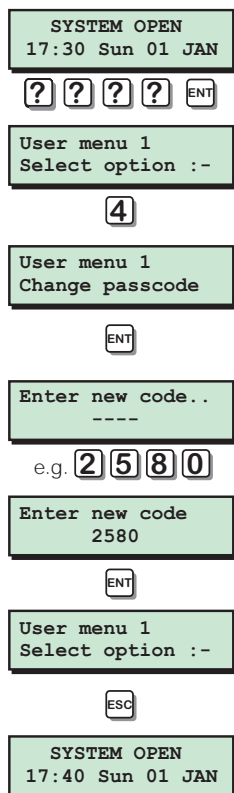
1. At the remote keypad enter your passcode followed by ENT.
2. Press 2 followed by ENT to select the walk test option.
3. The display will show which wards are selected for walk test.
4. To select or deselect wards A - H press 1 - 8. To select or deselect wards I - P press A then 1 - 8.
5. Once you have the required wards selected press ENT to start the test.
6. Walk around the wards that are being tested and operate all detection devices. As each device is operated there will be a chime tone from the internal sounders and the display will show the triggered circuit.
7. When finished press ESC. Pressing ENT will allow you to scroll through the tested circuits in a chronological order. Press ESC twice times to return the system to its original state.

The remote reset option allows you to reset your alarm via the exchange of unique passcodes.


The remote reset procedure is fully covered on page 17.

If you select this option when the system does not require resetting the display will show "Remote reset is not required".

This option allows you to change your own passcode.



1. At the remote keypad enter your passcode followed by **[ENT]**.
2. Press **[4]** followed by **[ENT]** to select the change passcode option.
3. Enter your new passcode followed by **[ENT]**.
4. If your new code is not accepted the display will show "NOT ACCEPTED try a different code".
5. Press **[ESC]** to return the system to its original state.

 If your system has been configured to use 6 digit passcodes, the last two digits of the passcode will always be the last two digits of your user number, i.e. if you are user 001. Your passcode will be ???01. If you are user 002, your passcode will be ???02 etc.

This option allows you to enable or disable the chime feature for your wards. If a ward has the chime feature enabled, detection circuits that have been programmed as "Chime" will generate a chime tone when activated.

1. At the remote keypad enter your passcode followed by **ENT**.
2. Press **5** followed by **ENT** to select the chime option.
3. The display will show which wards are currently selected for chime.
4. To select or deselect wards A - H press **1** - **8**. To select or de-select wards I - P press **A** then **1** - **8**.
5. Once you have the required wards selected press **ENT** to accept.
6. Press **ESC** twice to return the system to its original state.

User Menu 1

Omitting a 24hr Group

SYSTEM OPEN
18:00 Sun 01 JAN

? ? ? ? ENT

User menu 1
Select option :-

6

User menu 1
24hr omit/unomit

ENT

1=OMIT 24hr
2=REINSTATE 24hr

1

Omit Wards :-
A,* ,* ,

1-8 or A/C
Select/deselect wards

ENT

WARDS ISOLATED
18:00 Sun 01 JAN

WARDS ISOLATED
18:10 Sun 01 JAN

? ? ? ? ENT

User menu 1
Select option :-

6

User menu 1
24hr omit/unomit

ENT

1=Omit 24hr
2=Reinstate 24hr

2

Reinstate Wards:
A,* ,* ,

1-8 or A/C
Select/deselect wards

ENT

SYSTEM OPEN
18:10 Sun 01 JAN

This option allows you to omit a group of 24hr detection circuits. The group is pre-defined by the master user or alarm company.

1. At the remote keypad enter your passcode followed by ENT.
2. Press 6 followed ENT to select the 24hr omit option.
3. Press 1 to select omit wards. To select or deselect wards A - H press 1 - 8. To select or deselect wards I - P press A then 1 - 8.
4. When the required wards are displayed press ENT to accept. The system will automatically return to the unset condition and the display will show "WARDS ISOLATED! indicating that one or more 24hr circuits within the selected wards are isolated.
5. To reinstate the 24hr group repeat steps 1 to 4, except press 2 at step 3.

User Menu 1

Omitting Circuits

SYSTEM OPEN
17:30 Sun 01 JAN

? ? ? ? ENT

User menu 1
Select option :-

7

User menu 1
Omit circuits

ENT

Front Door
0001 is Armed

Enter circuit No.
or

A = Next circuit

B = Previous circuit

e.g. 2002

Office window
2002 Armed

B

to alternate between
Armed & Omitted

Office door
2002 Omitted

Repeat for other
circuits, if required

ESC

User menu 1
Select option :-

ESC

SYSTEM OPEN
17:40 Sun 01 JAN

Circuit 2002 is now
selected for omit

Occasionally it may be necessary to omit detection circuits when setting your ward, e.g. to leave door open that would normally be protected. This option allows you to select which circuits are to be omitted.

Once selected you can then choose to set your ward(s) with or without the selected circuits omitted, see "Setting With Omits" on page 17.

1. At the remote keypad enter your passcode followed by **ENT**.
2. Press **7** followed by **ENT** to select the omit circuits option.
3. The display will show circuit 0001 and its current omit status.
4. Select the circuit you require to omit by either entering its number or by pressing the **A** & **C** keys to scroll up and down through the circuits.
5. When the display shows the required circuit, press **B** to alternate the circuit between armed and omitted.
6. Repeat steps 4 and 5 for other circuits, if required.
7. When finished, press **ESC** to return the system to its original state.

This option allows you to configure which wards will set silently, i.e. no exit tone when setting the selected ward. The wards that you select will remain configured as "silent set" until you deselect them using this menu option.

SYSTEM OPEN
17:30 Sun 01 Jan

? ? ? ? ENT

User menu 1
Select option :-

8

User menu 1
Silent set wards

ENT

Silent set wards
,,*,*,*,*.,.,.,.

Wards A-E = audible

1 - 8

to select & deselect
wards

e.g. press [1] to
select ward A

Silent set wards
A,*,*,*,*,*.,.,.,.

Ward A = silent set

ENT


User menu 1
Silent set wards

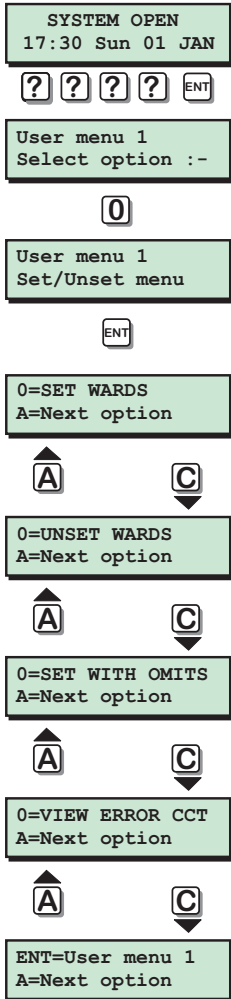
ESC ESC

SYSTEM OPEN
17:55 Sun 01 JAN

1. At the remote keypad enter your passcode followed by **ENT**.
2. Press **8** followed by **ENT** to select the "Silent set wards option".
3. The display will show which wards are currently selected for silent set.
4. To select or deselect wards A - H press **1** - **8**. To select or deselect wards I - P press **A** then **1** - **8**.
5. Once you have the required wards selected press **ENT** to accept.
6. Press **ESC** twice to return the system to its original state.

Your selected wards will now set silently.

 *Pressing **8** when the display shows "0 = SET WARDS" will also set all your wards silently.*



Normally the set/unset menu is displayed whenever you enter your passcode. This option allows you to access the menu whilst user menu 1 is selected.

The set/unset menu has several options, however, only options that are relevant will be displayed, e.g. If all wards are unset, the option to unset wards will not be displayed.

Set Wards

Pressing **0** will set your selected wards. Pressing **8** will set your selected wards silently.

Pressing **B** will allow you to access the part set groups.

Unset Wards

Pressing **0** will unset your selected wards.

Set With Omits

Pressing **0** will set your selected wards with pre-defined circuits omitted.

View Error Circuits

Pressing **0** will display the circuits that prevented your wards from setting.

User Menu 1

Pressing **ENT** will select User menu 1.

```
User menu 1  
Select option :-
```

ENT

```
User menu 2  
Select option:-
```

ESC

```
User menu 1  
Select option :-
```

User menu 2 is accessed by pressing **ENT** whilst "User menu 1 Select option :-" is displayed.

To leave user menu 2 and return to user menu 1 simply press the **ESC** key.

This manual does not cover the procedures available in user menu 2. For full details of user menus 2, 3 and 4 please refer to the "*Managers Operating Manual*".

Fault Finding

Display Messages

Unset alarms & Faults

PHONE LINE FAULT
12:00 Sun 01 JAN

These messages can occur when your ward is unset, if accompanied with an internal alarm they can be silenced by entering your passcode.

Your alarm system is fitted with a remote signalling device which is reporting a telephone line fault. If the fault is not Cleared you may not be able to set your ward. If the fault persists. Contact your alarm company for further advice.

MAINS POWER OFF
12:00 Sun 01 JAN

There is no mains power to the control panel and the alarm system is now running on its standby battery. If the mains power is not restored you may not be able to set your ward, if the fault persists the standby battery will eventually run flat. Contact your alarm company for further advice.

BATTERY FAULT
12:00 Sun 01 JAN

The alarm system standby battery has developed a fault. If the fault is not cleared you may not be able to set your ward. Contact your alarm company for further advice.

PANEL LID TAMPER
12:00 Sun 01 JAN

The lid of the control panel has been removed. If the fault is not cleared you may not be able to set your ward. Contact your alarm company for further advice.

AUXILIARY X TAMP
12:00 Sun 01 JAN

The control panel has two auxiliary tamper circuits for monitoring auxiliary devices. The lid of the device has been removed. If the fault is not cleared you may not be able to set your ward. Contact your alarm company for further advice.

BELL TAMPER
12:00 Sun 01 JAN

The lid of the external sounder has been removed. If the fault is not cleared you may not be able to set your ward. Contact your alarm company for further advice.

AUX FUSE BLOWN
12:00 Sun 01 JAN

The auxiliary supply used for powering detection devices has blown its fuse. Contact your alarm company for further advice.

Fault Finding

Display Messages

TEST CCTS FAILED
12:00 Sun 01 JAN

One or more circuits have failed during a test routine initiated by your alarm company. You can still set and unset your wards but you should contact your alarm company for further advice.

WARDS ISOLATED
12:00 Sun 01 JAN

One or more wards have been isolated so that 24hr protection with those wards can be accessed. Press **ENT** to display which wards are currently isolated.

! AUTO SETTING !
12:00 Sun 01 JAN

The TS2500 has an auto-set feature which will automatically set and unset specified wards at pre-programmed times. This message is displayed one minute before the wards are due to set and a chime tone is generated every ten seconds to warn you to leave the area. If you have the appropriate access code you can defer the automatic setting by entering your passcode and choosing the "DEFER SETTING" option.

SERVICE REQUIRED
12:00 Sun 01 JAN

The alarm system requires a routine maintenance visit from your alarm company. You can still set and unset your wards but you should contact your alarm company for further advice.

PAYMENT REQUIRED
12:00 Sun 01 JAN

Your alarm company has enabled the payment timer and the timer has expired. You cannot set your wards and should contact your alarm company for further advice.

ENGINEER ON SITE
12:00 Sun 01 JAN

Your alarm company has had an engineer on site and is logged into the alarm system. You can continue to operate the system as normal, if required. The message is automatically cleared when the engineer logs off.

RELEARN REQUIRED
12:00 Sun 01 JAN

The hardware configuration of your alarm system has changed. You may not be able to set your wards and should contact your alarm company for further advice.

Fault Finding

Display Messages

SYSTEM IS BUSY
PLEASE WAIT

Another user is accessing the alarm system. You cannot use your keypad until this message has cleared.

HI SECURE UNSET
12:00 Sun 01 JAN

The TS2500 has an high security feature which can be applied to any ward. When the ward is unset the remote keypads display "HI SECURE UNSET" and the high security timer is started. Every time a detection device is triggered within the selected ward the timer is reset. However, if no detection devices within the selected ward are triggered, the timer will eventually expire. When the timer expires the ward is automatically set and the message on the keypads is cleared.

CODE TAMPER
KEYPAD LOCKED !

This message is displayed whenever a keypad is locked out because there has been too many invalid code entries. This message will clear and the keypad will unlock itself after 5 minutes.

Cannot Set Messages

Sorry, cannot set
Aux X tamp open

These messages occur when the system is unable to set your selected wards.

Cannot set due to a tamper fault on auxiliary circuit 1 or 2. Clear the fault and if still displayed contact your alarm company for further advice.

Sorry, cannot set
Bell box tamper

Cannot set due to a tamper fault on the external sounder. Clear the fault and if still displayed contact your alarm company for further advice.

Sorry, cannot set
Equipment faulty

Cannot set due to a fault from one or more system components. The display will indicate the faulty device. Clear the fault and if still displayed contact your alarm company for further advice.

Sorry, cannot set
Circuit in fault

Cannot set due to a fault from one or more circuits. The display will indicate the faulty circuits. Clear the fault and if still displayed contact your alarm company for further advice.

Sorry, cannot set
Panel lid tamper

Cannot set due to a tamper fault on the control panel. Clear the fault and if still displayed contact your alarm company for further advice.

Fault Finding

Display Messages

Sorry, cannot set
Mains Power off

Cannot set due to no mains power at the control panel. Clear the fault and if still displayed contact your alarm company for further advice.

Sorry, cannot set
Phone line fault

Cannot set due to a phone line fault from your remote signalling device. Clear the fault and if still displayed Contact your alarm company for further advice.

Sorry, cannot set
Payment Required

Cannot set due to the expiry of the payment timer. Contact your alarm company for further advice.

Sorry, Your code
is locked out

The TS2500 has a code lock feature which can be applied to selected users. When the code lock is in operation the selected users cannot use their passcode to set or unset their wards.

Sorry, Keypad
is locked out

The remote keypad is locked out and cannot be used by any users. The lock out is normally controlled by a key switch or similar.

Cannot 'SET'
from this keypad

The remote keypad that you are using to set from is not assigned to your wards. Use a remote keypad that is assigned to your wards.

Cannot 'UNSET'
from this keypad

The remote keypad that you are using to unset from is not assigned to your wards. Use a remote keypad that is assigned to your wards.

Records

System Details

Setting	Wards							
	A	B	C	D	E	F	G	H
Entry Time								
Exit Time								
Setting Mode								
Bell Delay								
Bell Time								
User Reset								
Eng. Reset								
Rem. Reset								

Setting	Wards							
	I	J	K	L	M	N	O	P
Entry Time								
Exit Time								
Setting Mode								
Bell Delay								
Bell Time								
User Reset								
Eng. Reset								
Rem. Reset								

Set with Line Fault		Set with Mains Off	
4 or 6 digit passcode		Automatic Omitting	
Remote Signalling		Downloading	

Records

User Details

No.	Name	Type	Wards	Auto-set	Auto-Unset
000		Engineer	A - P	A	A
001		Master			

No.	Name	Type	Wards	Auto-set	Auto-Unset

No.	Location	Omit	Chime	Wards

Records

Circuit Details

No.	Location	Omit	Chime	Wards

Records**Circuit Details**

No.	Location	Omit	Chime	Wards

Date	Engineer	Action

Records

Installer Information

Installation Engineer:

Installation Company:

Address:

Telephone No:

Reset Message:

Alarm Receiving Centre:

Telephone No:

Rem. Reset Message:
