WINDSOR 700
SERVICE MANUAL

Version 8.4

Manual No. 320534

GUARDALL LTD

Systems Development Group
PO Box 233, Chubb House
Staines Road West
Sunbury-on-Thames
Middlesex TW16 7XY

UNITED KINGDOM

CONTENTS

FUNCTIONS (contd.):

USING THIS MANUAL

TO LOCATE A SECTION

This manual is self-indexing. Each function is described in a section with a large-type title in the top corner in alphabetical order. A list of the functions is at the end of this section.

THE FORMAT

Each section has an introduction describing important features. Note, however, that this is not an exhaustive description due to space limitations.

A flow-chart is given illustrating what appears on the keypad display and suggesting your response. If the display does not relate to this flow-chart it will probably be because of the system status or an invalid action. The displays that relate to this situation are at the end of each section under the title of 'NOTES'.

PROGRAMMABLE NAMES/NUMBERS

The numbers and names of features such as zones, users, etc. are programmable and will depend on the installation. They are represented in this manual by the use of code letters. Capital letters represent numbers (i.e. a user number is UU representing a 2 digit number). Small letters represent names and indicate the maximum number of characters (i.e. a user name is uuuuuuuuuuuu). A list of these abbreviations is at the end of this section.

MENUS

Menus consist of a title followed by a numbered list. The composition of a menu will vary depending on the system configuration, system status and the user. The numbers of the items in a menu will vary. Hence in this manual the option numbers are not shown - only the menu title and the text of the option to select is illustrated. For example:

```
FUNCTION SELECT♦
..
. Set Options      <-- Select 'Set Options'
..
```

VARIABLE TEXT

A text message on the keypad display may often have a number of alternatives. Where this is the case a line title is put in square brackets on the display symbol and the lines that will actually appear where appropriate are itemised below.

For example: There are 3 possible text messages in line 3 of the display below:

```
POINT STATUS
..
[point status  ]
..
```

```
[point status    ]
 normal
 off-normal
 tamper
```

DISPLAY

The keypad has a 4-line 16 character LCD display. When the keypad is not being used the display will present the appropriate prompt for the user to log-on (see **USER : LOG-ON** in the User Manual) or when the keypad is inside a set zone the display may be blank. The keys will then be unusable and if anyone tried to use the keys it would cause an alarm.

KEYS

The keypad has 15 keys that are marked with symbols:

0-9	Numeric keys
▲▼	Keys used to scroll menus and lists
✓	'Yes' and 'Enter' key
X	'No' key
C	'Clear' key

INDICATOR LIGHTS

The keypad has 8 lights to alert you to the following when they are lit. Note that, with the exception of the 'Power' light, the lights will be held off until you log-on.

POWER	Mains supply is healthy
BATTERY LOW	The battery back-up capacity is low
SHUNT ON	A detector has been shunted (manually or automatically)
INVESTIGATE	The system is in a condition where a full set is not possible
CALL ENGINEER	A serviceman is required to reset or rectify the system
LINE FAULT	The communication to and from the Central Monitoring Station is faulty
TAMPER	A detector, keypad or other component has been in tamper
ALARM	A detector or other component has been in alarm

TONES

The keypad contains a sounder to emit tones. There are various tones which may emanate:

a) A 'beep' when a key is pressed
b) A continuous tone for entry/exit procedure
c) An intermittent tone for prewarning
d) A sequence of tones for schedule expiry

TO SELECT FROM A MENU

The options in a menu take the form of a numbered list. To select an option it must be placed at the top line of the menu. Use the cursor keys ('▲' and '▼') to scroll the menu. The ability to scroll is shown by a blinking symbol ♦ to the right of the menu title. To emphasise which is the top line of the menu the number associated with the option is made to blink. When the required option in the top line the selection is completed by pressing the '✓' key .

For example: To select the 'Set Options' menu from the ‘Function Select' menu

```
FUNCTION SELECT♦
1 Reset or Mute
2 Unset Options
3 Set Options
```

Press '▼' twice and the display will scroll to show:

```
FUNCTION SELECT♦
3 Set Options
4 Test
5 View Status
```

The ‘Set Options' line is now the top line of the menu. Press '✓' and the 'Set Options' menu will be selected. An alternative to the use of the '▲' and '▼' keys is to press the number of the required menu item. This will put the item into the menu top line.

Note that the items shown in a menu are dependant on the status of the system and user. This means that the number of items in a menu is variable and the numbering of the items is variable.

If in this process a mistake is made then pressing the 'Clear' key ('C') will usually return you to the preceding menu.

TO SELECT CHARACTERS

Text entry is required for descriptors (names). These may include letters or numbers. As the keypad has no letter keys available a special technique is used to enter descriptors.

For a new descriptor the display will show the following symbol:

```
♦
```

The flashing cursor ♦ shows the first character position. Press '✓' and a space will be selected as the first character and the cursor moves to the right. If a character other than a space is required then use the '▲' or '▼' keys to step through the character set until the one required appears.
The character set is as follows:

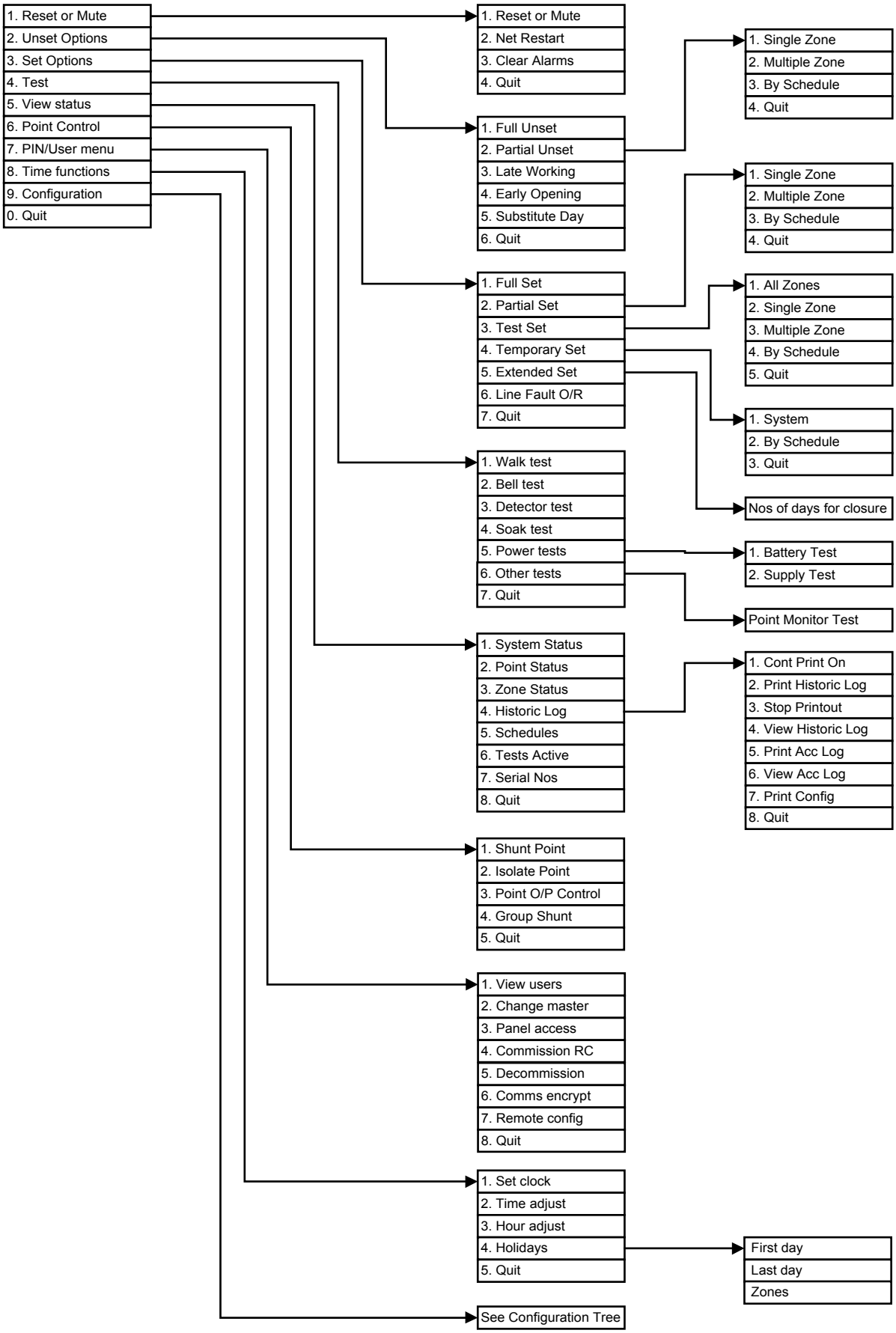
```
ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz_+-=0123456789.
```

Press '✓' to select the character and the cursor moves to the right for the next selection. If a mistake is made in the selection then press 'C' to move the cursor back. The process is completed when 16 characters have been entered, or alternatively when all the required characters have been entered then pressing '0' on the keypad will store the descriptor and complete the descriptor entry.

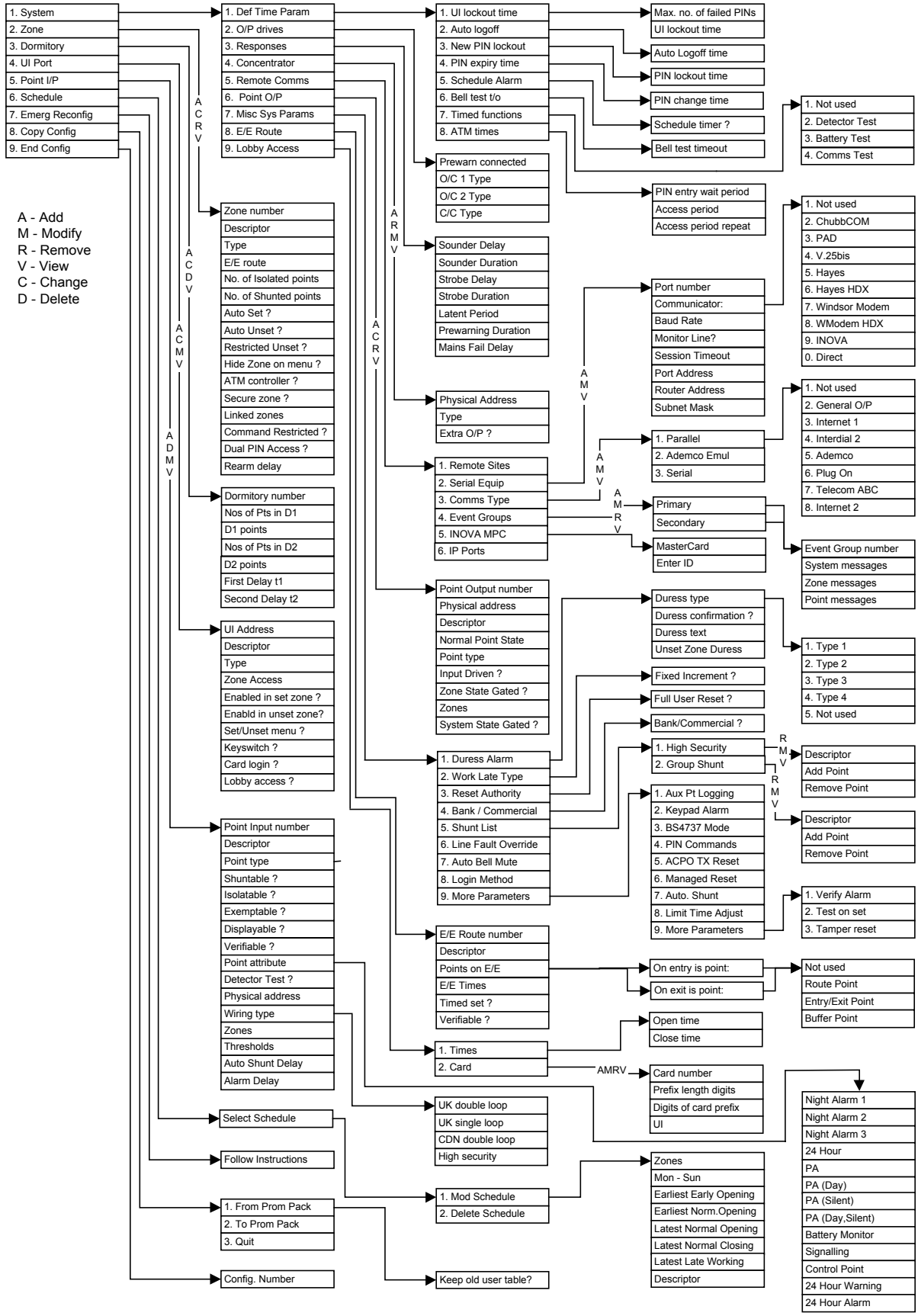
In modifying an existing descriptor the process is similar. Each character will blink in turn to show that character may be changed.

CC	Concentrator address
cccccccccccccccc	Concentrator descriptor
E	Entry/Exit route number
eeeeeeeeeeeeeee	Entry/Exit route descriptor
G	Shunt group number
gggggggggggggggg	Shunt Group descriptor
H	High Security Shunt group number
hhhhhhhhhhhhhhh	High Security Shunt group descriptor
III	Point Input number
iiiiiiiiiiiiiii	Point Input descriptor
K	Keypad number
kkkkkkkkkkkkkkk	Keypad descriptor
OOO	Point Output number
oooooooooooooooo	Point Output descriptor
R	Remote Site number
rrrrrrrrrrrrrrr	Remote Site descriptor
SS	Schedule number
sssssssssssssss	Schedule descriptor
T	Timed function number
UU	User number
uuuuuuuuuuuuuuu	User descriptor (usually the name)
ZZ	Zone number
zzzzzzzzzzzzzzz	Zone descriptor
DD-mmm-YY	Date (day-in numerals, month-in letters, year-in numerals)
DD-MM	Date (day-month in numerals)
HH:MM	Time (hours:minutes in numerals)
HH:MM:SS	Time (hours:minutes:seconds in numerals)
N	Number displayed
X	Number to be entered
Conc	Concentrator
HS	High-Security
PreW	Pre-Warning
UI	User Interface (Keypad)

MENU TREE : ENGINEERING

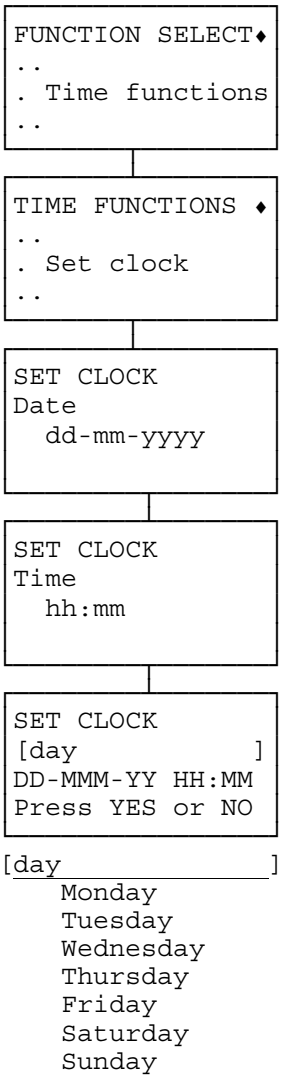


MENU TREE : CONFIGURATION



CLOCK : SET

This facility is used to set the date and time.



<-- Select 'Time functions'

<-- Select 'Set clock'

Specify date.
Enter 2 digits (day). Press '✓'
Enter 2 digits (month). Press '✓'
Enter 4 digits (year). Press '✓'

Specify time.
Enter 2 digits (hour). Press '✓'
Enter 2 digits (minute). Press '✓'

Display of date and time for confirmation.
Press '✓' to update the clock
Press 'X' to abort

Returns to 'TIMED FUNCTIONS' menu

CONFIGURE : CONCENTRATOR

This facility is used to configure the concentrators which are connected to the Data Gathering Network (DGN).

8 Way	8 point inputs used on Concentrator which therefore uses 2 address 'slots'
4 Way	4 point inputs used on Concentrator which therefore uses 1 address 'slot'
Monarch	Guardall product - a wireless Concentrator
Daughter board	Increases configurable outputs from 1 to 3 on a 4-way Concentrator and from 1 to 8 on an 8-way Concentrator

For the configuration of the Concentrator wiring type (i.e. End-of-Line, etc) see **CONFIGURE : POINT INPUT**

```
FUNCTION SELECT♦
..
. Configuration      <-- Select 'Configuration'
..
```

```
CONFIG MENU     ♦
..
. System             <-- Select 'System'
..
```

```
SYSTEM          ♦
..
. Concentrator       <-- Select 'Concentrator'
..
```

CONCENTRATOR (Add)

```
CONCENTRATOR    ♦
..
. Add                <-- Select 'Add'
..
```

```
CONCENTRATOR
Enter physical
address - xx
```

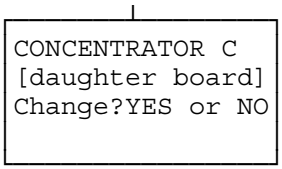
Specify concentrator address.
Enter 2 digit number. Press '✓'

```
CONCENTRATOR C
[line 2         ]
[conc type menu]
[conc type menu]
```

Specify type of concentrator.
Use '▲' or '▼' to scroll required type to line 3. Press '✓'

```
[line 2          ]     [conc type menu ]
 8 way type             . 8 Way
 4 way type             . 4 Way
 Monarch type           . Monarch
```

CONFIGURE : CONCENTRATOR (Add) continued overleaf



If 8 Way or 4 Way:
Specify whether a daughter board is fitted.
Press '✓' to change displayed status
Press 'X' to retain displayed status

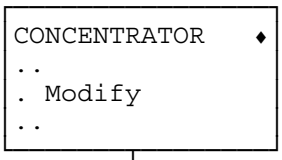
[daughter board]
Extra O/P UNUSED
Extra O/P USED

Returns to 'CONCENTRATOR' menu

NOTES

'Add new ones' not in menu	The system already has a full complement of concentrators.
'invalid number'	The number selected is out-of-range.
'invalid address'	The address selected is already configured.

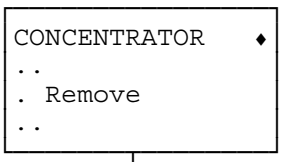
CONCENTRATOR (Modify)



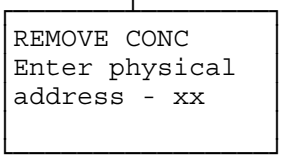
<-- Select 'Modify'

.....continue as for CONCENTRATOR (Add)

CONCENTRATOR (Remove)



<-- Select 'Remove'

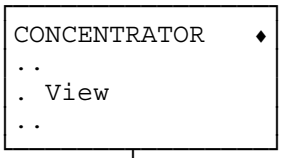


Specify concentrator address.
Enter 2 digit number. Press '✓'

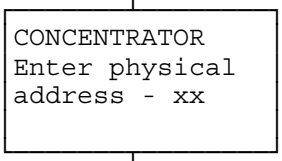
Returns to 'CONCENTRATOR' menu if successful

CONFIGURE : CONCENTRATOR continued overleaf

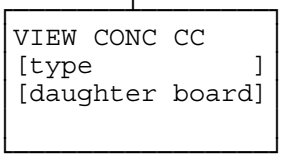
CONCENTRATOR (View)



<-- Select 'View'



Specify concentrator address.
Enter 2 digit number. Press '✓'



Display of concentrator type.
Display of output capability.
Press '✓' to continue

[type]
Type - 8 Way
Type - 4 Way
Type - Monarch

[daughter board]
Standard O/Ps
Extra O/P fitted

Returns to 'CONCENTRATOR' menu

CONFIGURE : COPY CONFIGURATION

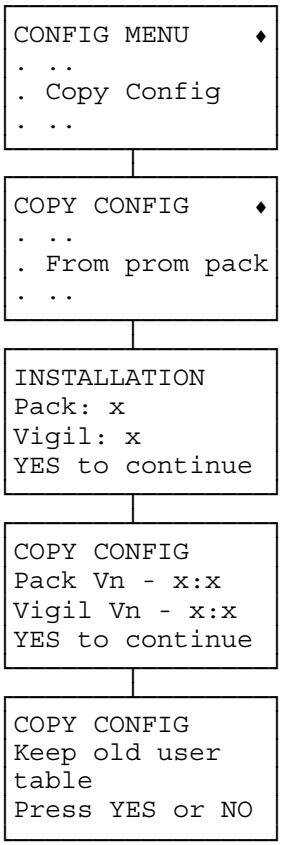
The PROM Pack allows configurations to be transferred between the Windsor 700 and the Windsor 700 Configuration Editor PC software or between Windsor 700s.

Power should be removed before the PROM Pack is plugged into or removed from the Control Unit board.

Note that if a configuration is transferred from one Windsor 700 to another and remote communications is in use, all remote sites should be decommissioned on the new Windsor 700 before using the remote communications facility (See **SERVICEMAN : COMMISSION REMOTE COMMS**.).

.

COPY CONFIG (From PROM PACK)



<-- Select 'Copy Config'

<-- Select 'From prom pack'

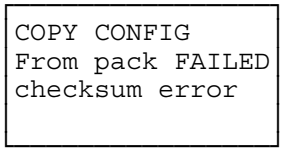
If the PROM Pack installation number is not the same as the Control Unit data:
The installation data is displayed
Press '✓' to continue
Press 'X' to abort

If the PROM Pack software version is not the same as the Control Unit:
The software version numbers are displayed
Press '✓' to continue
Press 'X' to abort

Specify whether the user data in the configuration on the Control Unit is to be retained or whether the user data in the PROM Pack is to be imposed.
Press '✓' to retain the users
Press 'X' to impose PROM Pack user data

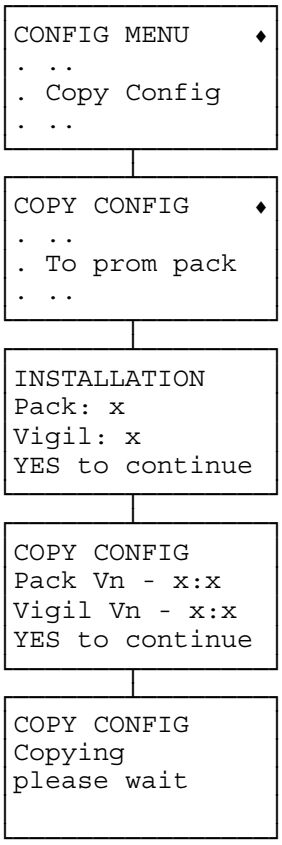
Returns to 'CONFIG MENU'

NOTES



The configuration data in the PROM Pack is corrupted and invalid. Transfer of this data is therefore prevented.

CONFIGURE : COPY CONFIGURATION continued overleaf



<-- *Select 'Copy Config'*

<-- *Select 'To prom pack'*

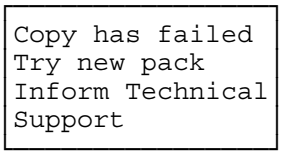
If the PROM Pack installation number is not the same as the Control Unit data:
The installation data is displayed
Press '✓' to continue
Press 'X' to abort

If the PROM Pack software version is not the same as the Control Unit:
The software version numbers are displayed
Press '✓' to continue
Press 'X' to abort

Wait for data to be transferred

Returns to 'CONFIG MENU'

NOTES



The configuration data transfer has failed due to the PROM Pack.
Press 'C' to return to menu

CONFIGURE : DORMITORY

This facility enables the configuration of the two dormitory areas. Dormitories are interrelated points intended to provide false alarm immunity from accidental activations. This works by allowing a limited amount of sensor activity in a set system without causing an alarm. This activity is allowed for, say, 8 seconds, and no alarm is given provided that the sensors return to normal within those 8 seconds and there is no further activity for, say, 20 minutes. To increase the security each dormitory is divided into 2 groups of detectors and once the 8 seconds (or another specified time) of tolerance has started in one of the groups, no activity is permitted in the other group without an alarm being generated.

Set D1 The first group of points sharing the dormitory function
Set D2 The second group of points sharing the dormitory function
First delay The period, starting with the activation of a point in the dormitory, during which that point may remain off-normal without causing an alarm. Other points in the same set may also go off-normal but points in the other set must remain normal to avoid causing an alarm.
Second delay The period, starting after the first delay, during which all points in the dormitory must remain normal to avoid causing an alarm.

```
CONFIG MENU     ♦
..
. Dormitory
..
```

<-- *Select 'Dormitory'*

DORMITORY (Add)

```
DORMITORY       ♦
..
. Add
..
```

<-- *Select 'Add'*

```
DORMITORY
Enter dormitory
number:- x
```

Specify set number.
Enter 1 digit number. Press '✓'

```
DORMITORY D
Number of points
in set D1:- xxx
```

Specify number of point inputs in set.
Enter 3 digit number. Press '✓'

```
DORMITORY D
Enter point for
set D1:- xxx
```

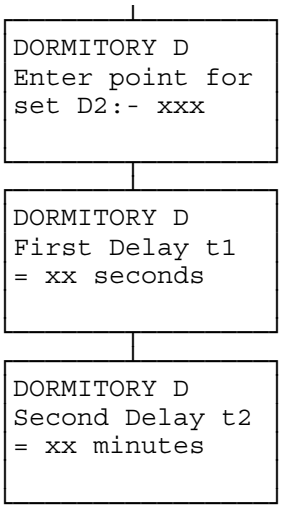
Specify point input number.
Enter 3 digit number. Press '✓'

Repeat for number of points.

```
DORMITORY D
Number of points
in set D2:- xxx
```

Specify number of point inputs in set.
Enter 3 digit number. Press '✓'

CONFIGURE : DORMITORY (Add) continued overleaf



Specify point input number.
Enter 3 digit number. Press '✓'

Repeat for number of points.

Specify first delay time (0 to 60secs).
Enter 2 digit number (00 to 60). Press '✓'

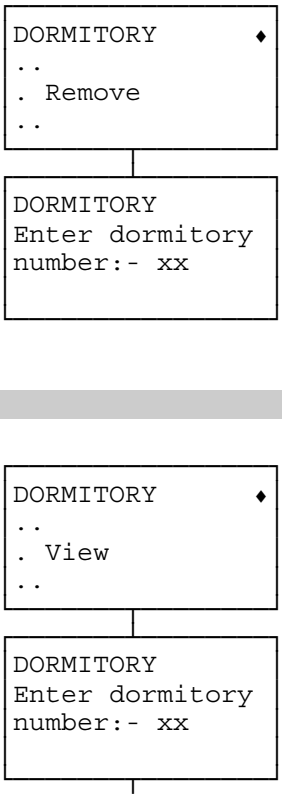
Specify second delay time (0 to 60mins).
Enter 2 digit number (00 to 60). Press '✓'

Returns to 'DORMITORY' menu

NOTES

'invalid number'	The number selected is out-of-range or the number is a value already selected.
'Used by D1-retry'	The point is already in set D1 and may not be in D2.

DORMITORY (Remove)



<-- *Select 'Remove'*

Specify set number.
Enter 2 digit number. Press '✓'

Returns to 'CONFIG MENU' if successful

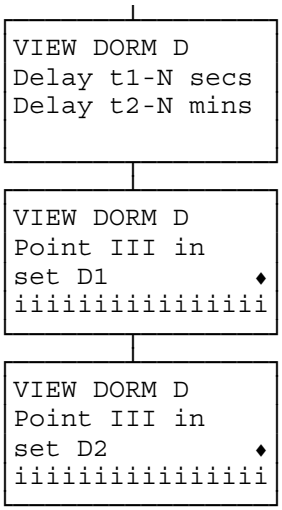
DORMITORY (View)

<-- *Select 'View'*

Specify set number.
Enter 2 digit number. Press '✓'

CONFIGURE : DORMITORY (View) continued overleaf

CONFIGURE : DORMITORY (View) continued



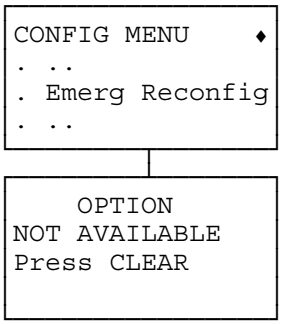
Display first delay and second delay.
Press '✓' to continue

Display points in Set 1.
Use '▲' or '▼' to scroll through list
Press '✓' to continue

Display points in Set 2.
Use '▲' or '▼' to scroll through list
Press '✓' to continue

Returns to 'DORMITORY' menu

This facility is not available with Version 8.4



<-- *Select 'Emerg Reconfig'*

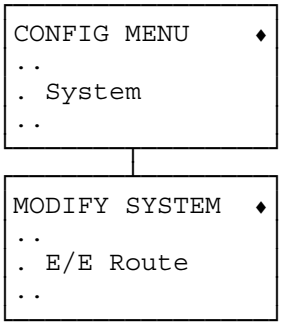
Warning that the emergency configuration facility is not available.
Press 'C' *to continue*

Returns to 'CONFIG MENU'

CONFIGURE : ENTRY/EXIT ROUTE

This facility is used to configure Entry/Exit routes. Where there are no external means of unsetting a system it is necessary to establish an Entry route to allow the user to traverse a defined route within the premises, without causing an alarm, in order to reach a keypad and unset the system. Similarly an Exit route may be necessary to allow the user to leave the premises after setting the system. The Entry and Exit routes may be the same, or different.

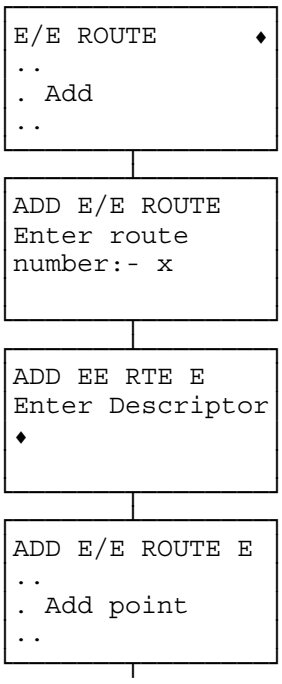
Entry point	A point which when tripped will start the entry procedure.
Exit point	A point which completes the exit procedure.
Route point	A point which may be activated legitimately during the entry/exit procedure.
Buffer point	A point which generates a prewarning if activated during the entry/exit procedure, by the user mistakenly deviating from the entry/exit route. This prewarning is canceled by returning the point to normal and logging-on at a keypad.
Exit Delay Time	Specifies the time within which the exit procedure must be completed.
Entry Delay Time	Specifies the time within which the entry procedure must be completed.
Timed setting	Specifies whether the system is to be set following expiry of the exit time. An exit point is not required in systems with timed setting.
Verifiable	Specifies whether Entry Timeout is to be a verifiable alarm (see VERIFY ALARM)



<-- *Select 'System'*

<-- *Select 'E/E Route'*

ENTRY/EXIT ROUTE (Add)



<-- *Select 'Add'*

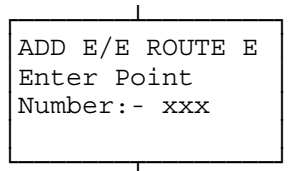
Specify E/E route number.
Enter 1 digit number. Press '✓'

Specify E/E route descriptor.
Select characters (see **USING THE KEYPAD**)

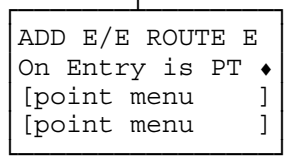
Specify point to be used for entry/exit route

Select 'Add point'
(Menu may also contain 'change' and 'remove')

CONFIGURE : ENTRY/EXIT ROUTE (Add) continued overleaf

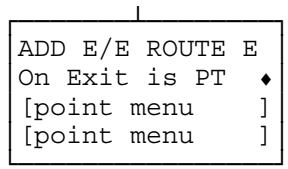


Specify point on E/E route.
Enter 3 digit number. Press '✓'



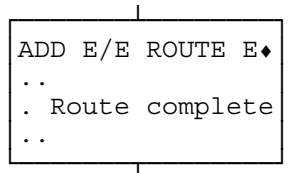
Specify point input type for entry
Use '▲' or '▼' to scroll required type to line 3. Press '✓'

[point menu]
. Not used
. Route pt
. Entry point
. Buffer pt

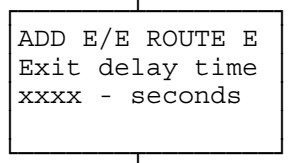


Specify point input type for exit
Use '▲' or '▼' to scroll required type to line 3. Press '✓'

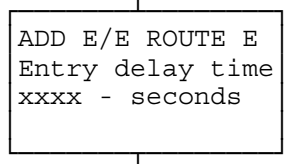
[point menu]
. Not used
. Route pt
. Exit point
. Buffer pt



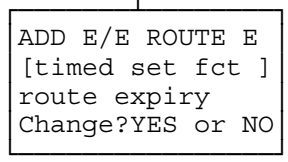
<-- *Select 'Route complete'*



Specify exit time.
Enter 4 digit number (0000 to 3000). Press '✓'



Specify entry time.
Enter 4 digit number (0000 to 3000). Press '✓'



Specify if timed setting is required.
Press '✓' to change displayed status
Press 'X' to retain displayed status

[timed set fct]
Timed Set on
NOT Timed Set on

CONFIGURE : ENTRY/EXIT ROUTE (Add) continued overleaf

```
┌──────────────────┐
│ADD E/E ROUTE E   │      Specify if entry timeout in alarm verify
│Entry timeout     │      is required.
│[verify status ]  │      Press '✓' to change displayed status
│Change?YES or NO  │      Press 'X' to retain displayed status
└──────────────────┘
[status          ]
 verifiable
 NOT verifiable                          Returns to 'E/E ROUTE' menu
```

NOTES

'invalid number' The number selected is out-of-range.

'invalid point' The number selected is not configured or it is already assigned.

ENTRY/EXIT ROUTE (Modify)

```
┌──────────────────┐
│E/E ROUTE       ♦ │
│..                │
│. Modify          │   <-- Select 'Modify'
│..                │
└──────────────────┘
```

.....continues as for ENTRY/EXIT ROUTE (Add)

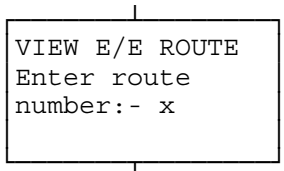
ENTRY/EXIT ROUTE (Remove)

```
┌──────────────────┐
│E/E ROUTE       ♦ │
│..                │
│. Remove          │   <-- Select 'Remove'
│..                │
└──────────────────┘
        │
┌──────────────────┐
│REMOVE E/E ROUTE  │      Specify E/E route number.
│Enter route       │      Enter 1 digit number. Press '✓'
│number:- x        │
└──────────────────┘
        │
┌──────────────────┐
│REMOVE E/E ROUTE  │      Display of E/E Route descriptor
│Remove route E?   │      for confirmation.
│eeeeeeeeeeeeeee   │      Press '✓' to remove
│Press YES or NO   │      Press 'X' to abort
└──────────────────┘      Returns to 'E/E ROUTE' menu
```

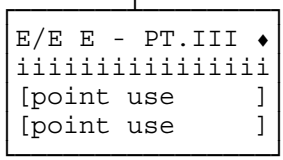
ENTRY/EXIT ROUTE (View)

```
┌──────────────────┐
│E/E ROUTE       ♦ │
│..                │
│. View            │   <-- Select 'View'
│..                │
└──────────────────┘
```

CONFIGURE : ENTRY/EXIT ROUTE (View) continued overleaf

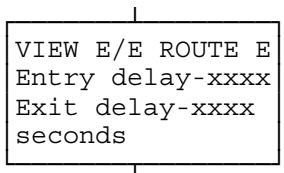


Specify E/E route number.
Enter 1 digit number. Press '✓'

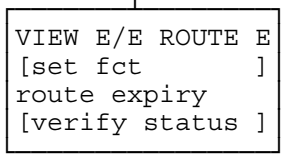


Display of point input(s) on route.
Display of point function.
Use '▲' or '▼' to scroll point details
Press '✓' to continue

[point use]
Entry pt
Exit pt
Entry route pt
Exit route pt
Entry Not used
Exit Not used



Display of entry time period.
Display of exit time period.
Press '✓' to continue



Display of set function on route expiry.
Press '✓' to continue

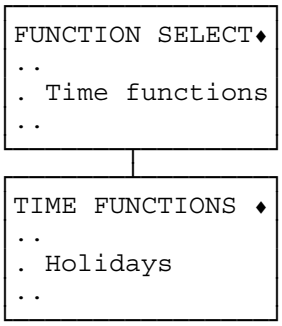
Returns to 'E/E ROUTE' menu

[set fct]
Timed Set on
NOT Timed Set on

[verify status]
verifiable
NOT verifiable

CONFIGURE : HOLIDAY

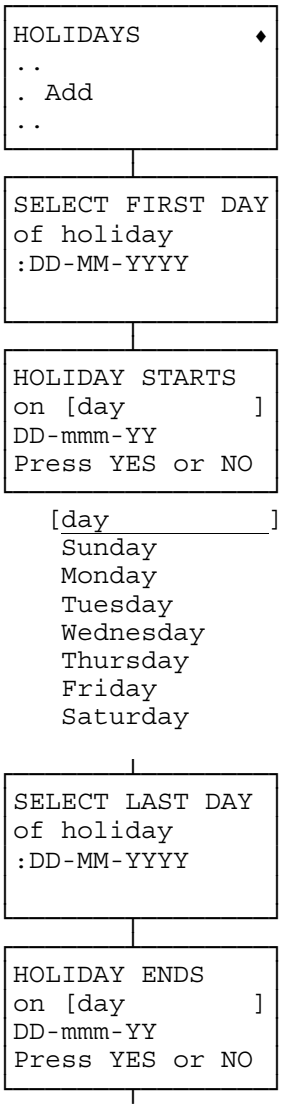
This facility enables the programming of specified days as 'holidays' which override the schedule for those days. The 'holidays' act as a schedule closed window and, as such, inhibit the zone(s) associated with the schedule from being unset.



<-- *Select 'Time functions'*

<-- *Select 'Holidays'*

HOLIDAY (Add)



<-- *Select 'Add'*

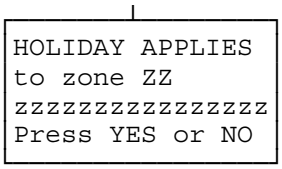
Specify first day of holiday.
Enter 2 digit number (day). Press '✓'
Enter 2 digit number (month). Press '✓'
Enter 4 digit number (year). Press '✓'

Confirmation of first day of holiday.
Press '✓' if correct

Specify last day of holiday.
Enter 2 digit number (day). Press '✓'
Enter 2 digit number (month). Press '✓'
Enter 4 digit number (year). Press '✓'

Confirmation of last day of holiday.
Press '✓' if correct

CONFIGURE : HOLIDAY (Add) continued overleaf



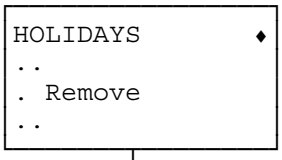
Specify zone(s) to which holiday is to apply.
Press '✓' if displayed zone required
Press 'X' if displayed zone not required

Returns to FUNCTION SELECT menu if successful

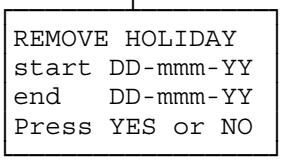
NOTES

'invalid date' The date entered is out-of-range or is already allocated as a holiday.

HOLIDAY (Remove)

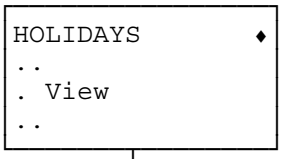


<-- *Select 'Remove'*

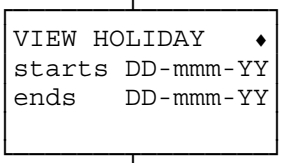


Confirm removal of holiday
Press '✓' to remove holiday
Press 'X' to view next holiday
Press 'C' to quit without removing any holiday
Returns to FUNCTION SELECT menu if successful

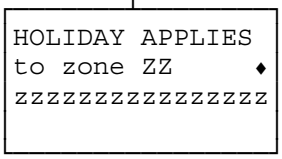
HOLIDAY (View)



<-- *Select 'View'*



Specify holiday.
Use '▲' or '▼' to scroll required holiday to lines 2 and 3. Press '✓'



Display of zone list
Use '▲' or '▼' to scroll zone list
Press '✓' to continue

Returns to menu

CONFIGURE : LOBBY ACCESS

This facility is used to configure card access through a door. Typically this is for allowing access to the ATM lobby of a bank.

The length of data read from a card is configurable. This allows a family of cards, which share a common data prefix, to operate the access. The data prefix length may be between 1 and 19 digits. (The maximum of 19 digits will normally mean individual cards may be identified if required). The prefix may contain "wildcard" digits which match any digit. Each card prefix is configured to be associated with specific readers.

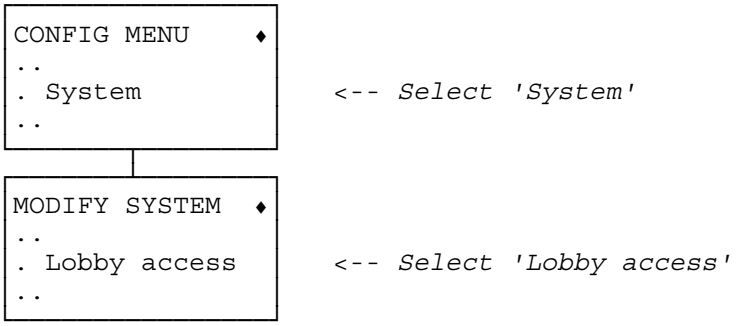
The card access is enabled for a configured period. The open period is applicable to all the readers in the system. It will be repeated for each day of the week and will be unaffected by holidays.

Open time The start of the period during which a valid card read will be acted upon.
Close time The end of the period during which a valid card read will be acted upon.

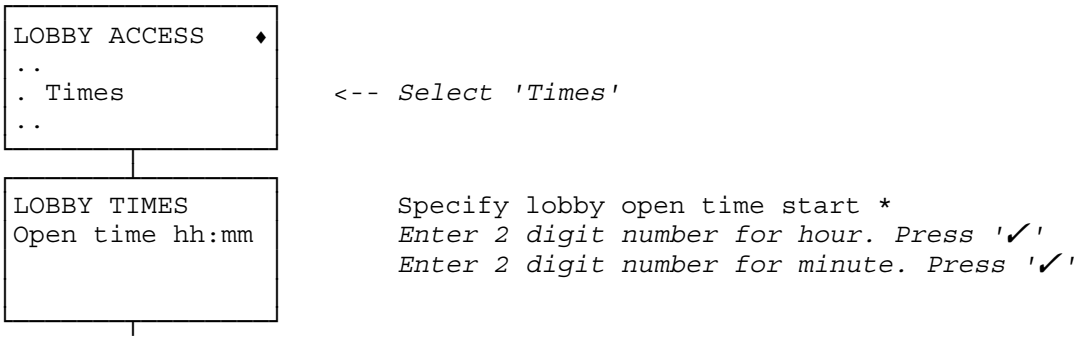
When a card is swiped the following sequence of checks occurs. If any check fails the operation is aborted:

The card prefix is checked.
The card expiry date is checked.
The lobby access period is checked for open period.

If the above checks are passed then the associated point output is activated. This is usually used to activate a 'door strike' which will allow the lobby door to open. To configure this point output see **CONFIGURE : UI**.



TIMES



CONFIGURE : LOBBY ACCESS continued overleaf

```
LOBBY TIMES
Close time hh:mm
```

Specify lobby open time end *
Enter 2 digit number for hour. Press '✓'
Enter 2 digit number for minute. Press '✓'

Returns to LOBBY ACCESS menu if successful

* If open time and close time are the same the lobby access will be untimed (ie 24 hours a day). If the close time is earlier than the open time the access will close the day after the open time.

CARDS (Add)

```
LOBBY ACCESS    ♦
..
. Cards
..
```

<-- *Select 'Cards'*

```
LOBBY CARDS     ♦
..
. Add
..
```

<-- *Select 'Add'*

```
ADD LOBBY CARD
Card number:- xx
```

Specify card number (This may apply to a family of cards sharing the same data prefix).
Enter 2 digit number (01 to 20). Press '✓'

```
ADD LOBBY CARD
Prefix length
xx digits
```

Specify length of card prefix (1 to 19 digits).
Enter 2 digit number (01 to 19). Press '✓'

```
ADD LOBBY CARD
Digits 1-NN
of card prefix
```

Specify digits.
Select digit numbers (0 to 9) for prefix.
Use '▲' or '▼' for a wildcard, this is displayed as '.'

If number of digits is 17 or more:

```
ADD LOBBY CARD
Digits 17-NN
of card prefix
```

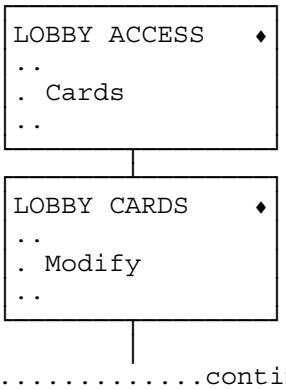
Specify digits.
Select digit numbers (0 to 9) for prefix.
Use '▲' or '▼' for a wildcard, this is displayed as '.'

```
ADD LOBBY CARD
Cannot be used
at UI N
Change?YES or NO
```

Specify keypad(s) which are to recognize the card
Press 'X' to retain displayed status
Press '✓' to change displayed status
Repeat for all UI numbers
Returns to 'LOBBY CARDS' menu

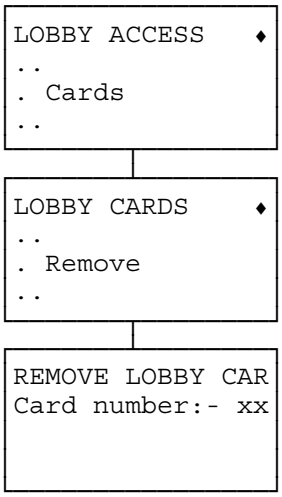
CONFIGURE : LOBBY ACCESS continued overleaf

CARDS (Modify)

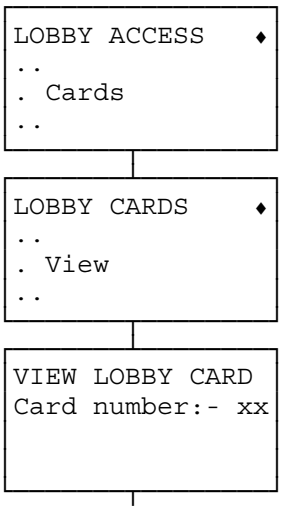


.....continue as for CARDS (Add)

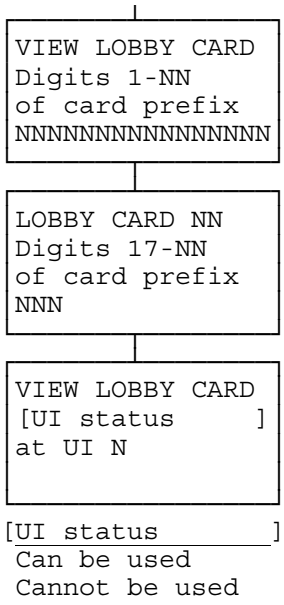
CARDS (Remove)



CARDS (View)



CONFIGURE : LOBBY ACCESS continued overleaf



Digits in prefix.
Press '✓' to continue

If number of digits is 17 or more:
Digits in prefix.
Press '✓' to continue

Keypad(s) which are to recognize the card
Press '✓' to continue

Returns to 'LOBBY CARDS' menu

CONFIGURE : OUTPUT DRIVERS

Configure sounders and strobes.

The **Mk1A hardware** has the following configurable drivers:

Prewarning driver	prewarning
Closed-circuit driver	prewarning, sounder or strobe
Open-circuit driver 1	prewarning, sounder or strobe
Open-circuit driver 2	prewarning, sounder or strobe

The **Windsor 700 hardware** has the following configurable drivers:

Warn. 1	prewarning, sounder or strobe
Warn. 2	prewarning, sounder or strobe

```
CONFIG MENU    ♦
..
. System
..
```

<-- *Select 'System'*

```
MODIFY SYSTEM  ♦
..
. Mod O/P drives
..
```

<-- *Select 'Mod O/P drives'*

```
MOD O/P DRIVERS
Prewarn sounder
[connect state ]
Change?YES or NO
```

Applies to Mk1A hardware only:
Specify if pre-warning used.
Press '✓' to change displayed status
Press 'X' to retain displayed status
This menu is present on the Windsor 700 but has no effect.

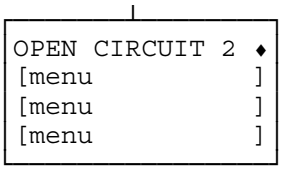
```
[connect state    ]
 connected
 not connected
```

```
OPEN CIRCUIT 1 ♦
[menu           ]
[menu           ]
[menu           ]
```

Specify use for Open Circuit 1/Warn 1
Note: Top line of menu shows current status
Use '▲' or '▼' to scroll required use to line 2. Press '✓'

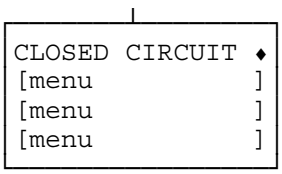
```
[menu             ]
 . Not connected
 . Prewarning
 . Sounder
 . Strobe
```

CONFIGURE : OUTPUT DRIVERS continued overleaf



[menu]
. Not connected
. Prewarning
. Sounder
. Strobe

Specify use for Open Circuit 2/Warn 2
Note: Top line of menu shows current status
Use '▲' or '▼' to scroll required use to line 2. Press '✓'



[menu]
. Not connected
. Prewarning
. Sounder
. Strobe

Applies to Mk1A hardware only:
Specify use for Closed Circuit
Note: Top line of menu shows current status
Use '▲' or '▼' to scroll required use to line 2. Press '✓'
This menu is present on the Windsor 700 but has no effect

Returns to 'MODIFY SYSTEM' menu

CONFIGURE : POINT INPUT

Configure point input.

Point type The point response depends on the type (see Surveyors Guide).
Shuntable The point may be shunted (alarm response inhibited, tamper response monitored).
Isolatable The point may be isolated (alarm and tamper responses inhibited).
Exemptable The point may be exempted (if off-normal the zone containing it may still be set. Subsequently the point will become part of the alarm system from the time it goes normal
Displayable The point may be displayed.
Verifiable The point is in a verified alarm function (see CONFIGURE - VERIFY ALARM)
Wiring type Depends on the Concentrator to which the point connects.
Thresholds The boundaries for determining the pulse width signal on the DGN corresponding with the point condition (see Hardware Guide).
Auto-shunt When a point goes into alarm the Auto Shunt timer for that point is started. When the timer expires then that point is shunted if it is still in alarm (subject to the shunt limit in the zone). This facility is used in conjunction with Auto Rearm. Note that Auto-shunt is not a recommended practice in some countries.
Delayed Alarm Alarms can be delayed to enhance false alarm immunity. The operating mode of the delayed alarm depends on the configured value of delay period t2.
If delay t2 is zero: The point must be constantly off-normal for the period t1 in order to cause an alarm.
If delay t2 is non-zero The point going off-normal starts period t1. During period t1 alarms are not generated by this point remaining off-normal or by this point returning to normal and going off-normal again. At the end of period t1 the period t2 starts. If the point is still off-normal or goes off-normal during period t2 then an alarm is caused. At the end of t2 the sequence may re-start with t1 being triggered again.

```
CONFIG MENU     ♦
..
. Point I/P
..
```

<-- Select 'Point I/P'

POINT INPUT (Add)

```
POINT I/P       ♦
..
. Add
..
```

<-- Select 'Add'

```
ADD PT I/P
Enter point
number - xxx
```

Specify point number.
Enter 3 digit number. Press '✓'

```
ADD PT I/P III
Enter descriptor
♦
0=complete
```

Specify point descriptor.
Select characters (see **USING THE KEYPAD**)

CONFIGURE : POINT INPUT (Add) continued overleaf

```
┌──────────────────┐
│ADD PT I/P III    │
│Select type       │
│[point type    ]  │
│YES to accept     │
└──────────────────┘
```

Specify point type.
Use '▲' or '▼' to scroll required point type to line 3. Press '✓'

```
[point type       ]
 Night Alarm - 1
 Night Alarm - 2
 Night Alarm - 3
 24 Hour
 PA
 PA (day)
 PA (silent)
 PA (day,silent)
 Battery Monitor
 Signalling
 Control point
 24 Hour Warning
 24 Hour Alarm
```

```
┌──────────────────┐
│ADD PT I/P III    │
│Ctl Pt action     │
│[function      ]  │
│YES to accept     │
└──────────────────┘
```

If Control Point:
Specify function of Control Point.
Use '▲' or '▼' to scroll required function to line 3. Press '✓'

```
[function         ]
 Clear Alarms
 Partial Set
 Partial Unset
```

```
┌──────────────────┐
│ADD PT I/P III    │
│[shunt state   ]  │
│Change?YES or NO  │
└──────────────────┘
```

If not a PA point:
Specify if point is to be shuntable.
Press '✓' to change displayed status
Press 'X' to retain displayed status

```
[shunt state      ]
 shuntable
 not shuntable
```

```
┌──────────────────┐
│ADD PT I/P III    │
│[isolate state ]  │
│Change?YES or NO  │
└──────────────────┘
```

Specify if point is to be isolatable.
Press '✓' to change displayed status
Press 'X' to retain displayed status

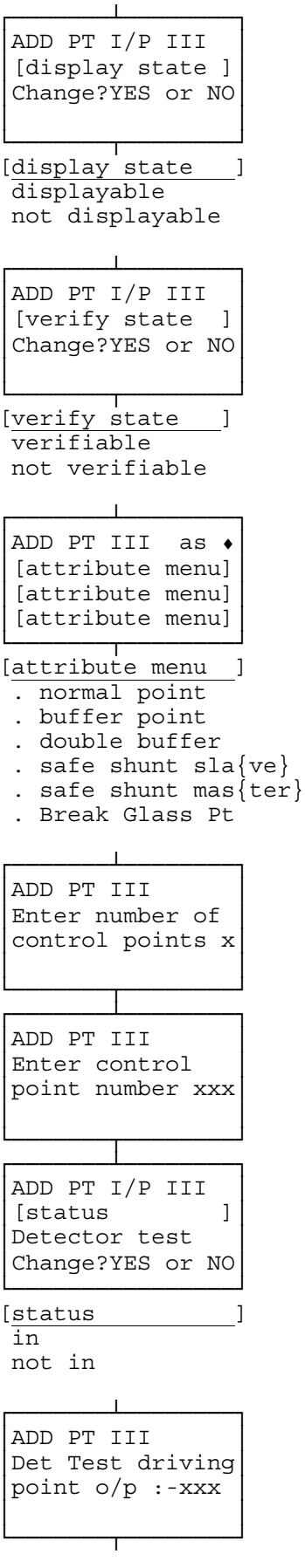
```
[isolate state    ]
 isolatable
 not isolatable
```

```
┌──────────────────┐
│ADD PT I/P III    │
│[exempt state  ]  │
│Change?YES or NO  │
└──────────────────┘
```

Specify if point is to be exemptable.
Press '✓' to change displayed status
Press 'X' to retain displayed status

```
[exempt state     ]
 exemptable
 not exemptable
```

CONFIGURE : POINT INPUT (Add) continued overleaf



Specify if point is to be displayable.
Press '✓' to change displayed status
Press 'X' to retain displayed status

For NA and 24HR points only:
Specify if point is to be verifiable.
Press '✓' to change displayed status
Press 'X' to retain displayed status

Specify attribute of point input.
Use '▲' or '▼' to scroll required attribute to line 2. Press '✓'

If double buffer or safe shunt slave:
Specify number of control (linked) points.
Enter 1 digit number. Press '✓'

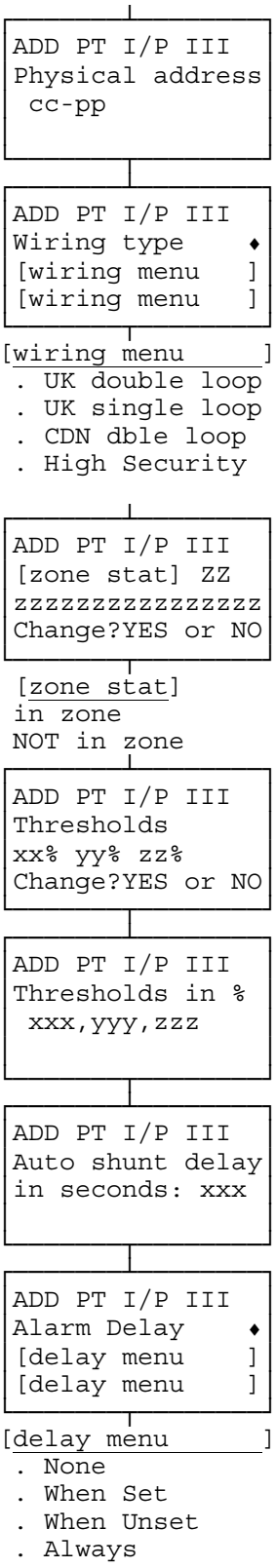
Specify control point number(s).
Enter 3 digit number. Press '✓'

Repeat for the all control points

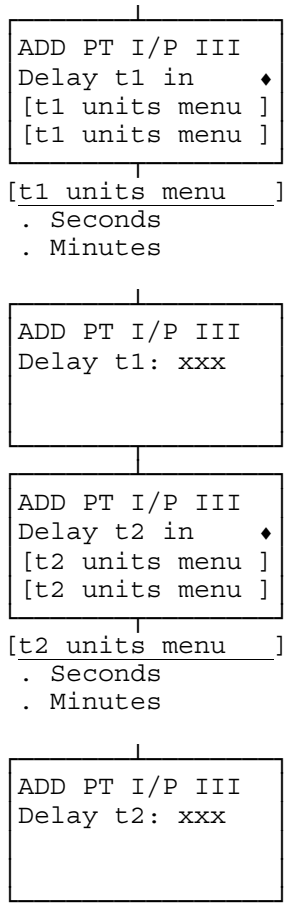
Specify if point is to be in detector test.
(This implies the point input is testable via a point output i.e vibration detector)
Press '✓' to change specified status
Press 'X' to retain specified status

If point in detector test:
Specify point output providing stimulus.
Enter 3 digit number. Press '✓'

CONFIGURE : POINT INPUT (Add) continued overleaf



CONFIGURE : POINT INPUT continued overleaf



Specify delay t1 units
Use '▲' or '▼' to scroll required delay units to line 3. Press '✓'

Specify delay t1 (in secs or mins as above).
Enter 3 digit number. Press '✓'

Specify delay t2 units
Use '▲' or '▼' to scroll required delay units to line 3. Press '✓'

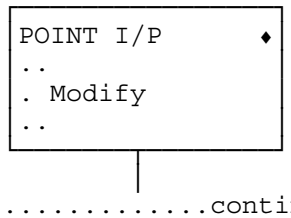
Specify delay t2 (in secs or mins as above).
Enter 3 digit number. Press '✓'

Returns to CONFIG PT I/P menu

NOTES

'Add point' not in menu	The max. number of points already configured.
'invalid number'	Number is out-of-range, or the number has already been allocated.
'not avail retry'	The number is allocated to a double buffer point or a safe shunt slave.

POINT INPUT (Modify)

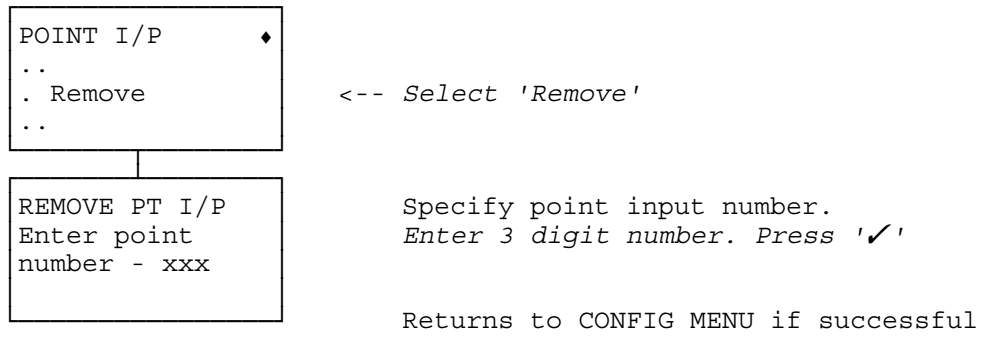


<-- Select *'Modify'*

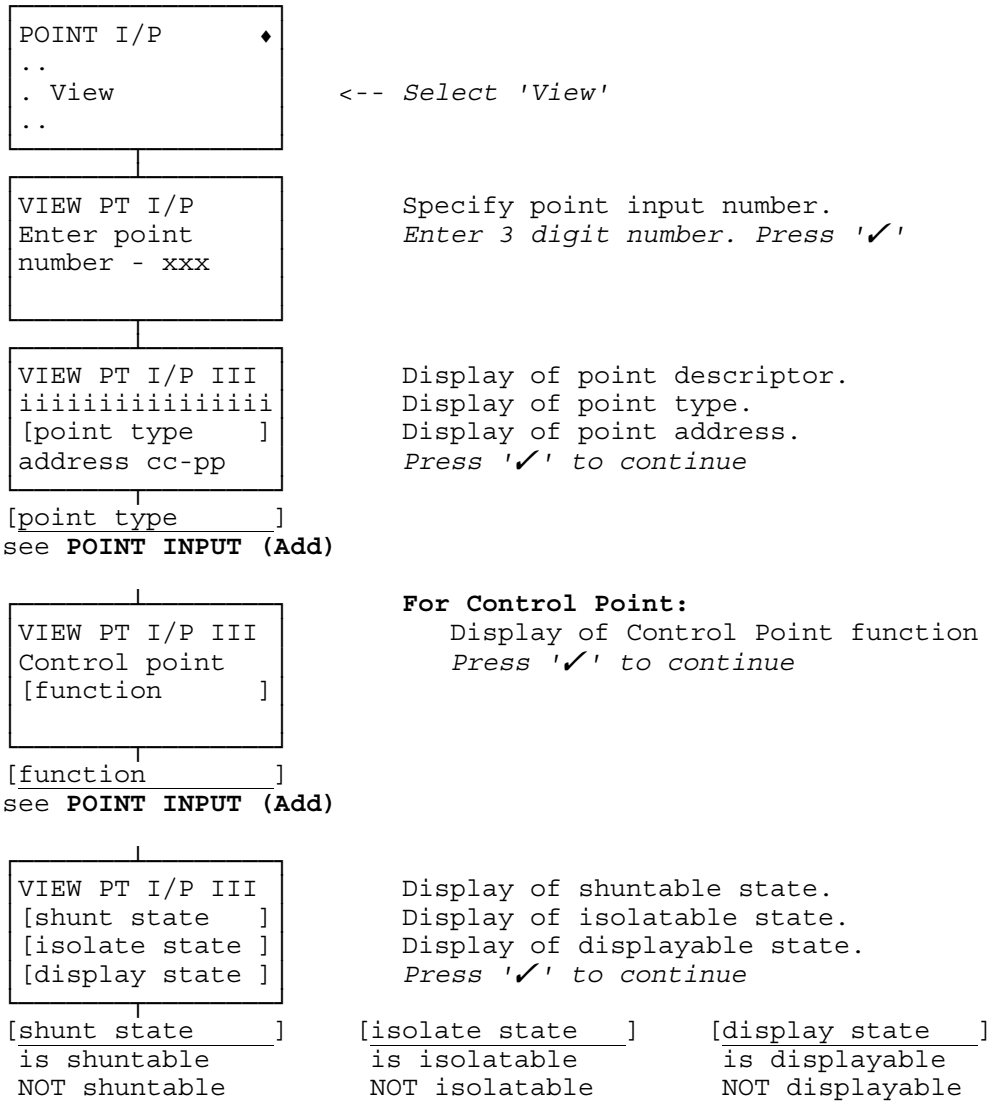
.....continue as for POINT INPUT (Add)

CONFIGURE : POINT INPUT continued overleaf

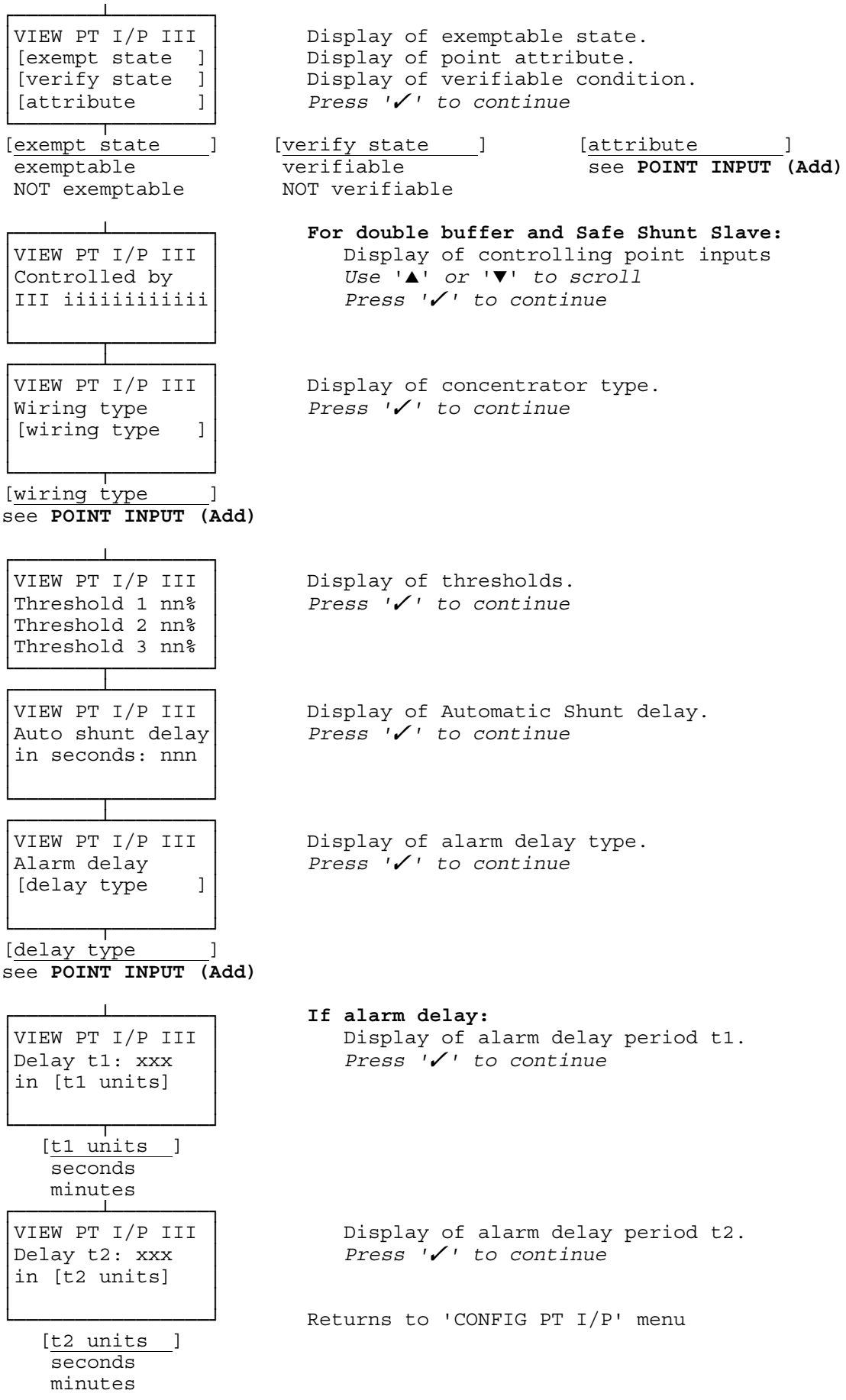
POINT INPUT (Remove)



POINT INPUT (View)



CONFIGURE : POINT INPUT (View) continued overleaf

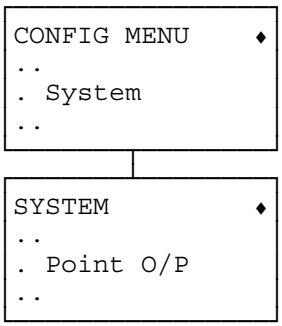

VIEW PT I/P III
[exempt state]
[verify state]
[attribute]
Display of exemptable state.
Display of point attribute.
Display of verifiable condition.
Press '✓' to continue
[exempt state]
exemptable
NOT exemptable
[verify state]
verifiable
NOT verifiable
[attribute]
see POINT INPUT (Add)
VIEW PT I/P III
Controlled by
III iiiiiiiiiiii
For double buffer and Safe Shunt Slave:
Display of controlling point inputs
Use '▲' or '▼' to scroll
Press '✓' to continue
VIEW PT I/P III
Wiring type
[wiring type]
Display of concentrator type.
Press '✓' to continue
[wiring type]
see POINT INPUT (Add)
VIEW PT I/P III
Threshold 1 nn%
Threshold 2 nn%
Threshold 3 nn%
Display of thresholds.
Press '✓' to continue
VIEW PT I/P III
Auto shunt delay
in seconds: nnn
Display of Automatic Shunt delay.
Press '✓' to continue
VIEW PT I/P III
Alarm delay
[delay type]
Display of alarm delay type.
Press '✓' to continue
[delay type]
see POINT INPUT (Add)
If alarm delay:
VIEW PT I/P III
Delay t1: xxx
in [t1 units]
Display of alarm delay period t1.
Press '✓' to continue
[t1 units]
seconds
minutes
VIEW PT I/P III
Delay t2: xxx
in [t2 units]
Display of alarm delay period t2.
Press '✓' to continue
Returns to 'CONFIG PT I/P' menu
[t2 units]
seconds
minutes

Point Outputs are the output connections on a concentrator (and daughter board if fitted) by which external devices (i.e. indicators) are driven by the system.

Point Outputs are assigned an address which incorporates the concentrator address and the address of the point on that concentrator. The first two Point Output addresses on a concentrator are used to provide Walk Test indications and therefore the first configurable point address is 03.

Point Outputs may be programmed to react to the state of Point Inputs, zones, and/or the system.

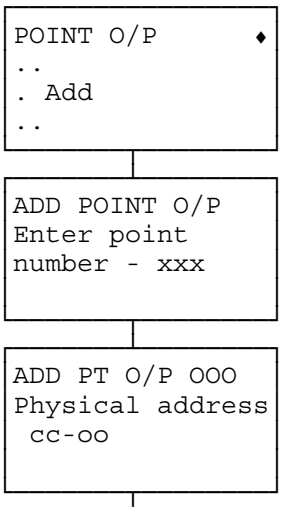
Monitor	The point output follows the normal, off-normal state of the event
Latched	The point output latches into an off-normal state following the trigger of the event
Momentary	The point output goes momentarily off-normal following the trigger of the event
Point Input Driven	Up to 8 point inputs may control the point output. Multiple inputs are ORed to provide the point input control signal, and this is ANDed with the zone state and system state if these are selected.
Zone state gated	Up to 4 states of the zone may control the point output. Multiple zone conditions are ORed to provide the zone condition control signal, and this is ANDed with the point input control signal, if any.
System state gated	The system condition, if any, is ANDed with the zone and point input conditions



<-- Select 'System'

<-- Select 'Point O/P'

POINT OUTPUT (Add)

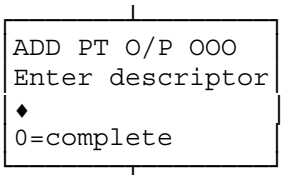


<-- Select 'Add'

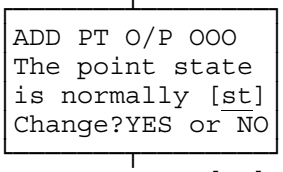
Specify point output number.
Enter 3 digit number. Press '✓'

Specify address of point output.
Enter 2 digit number (conc.). Press '✓'
Enter 2 digit number (point). Press '✓'

CONFIGURE : POINT OUTPUT (Add) continued overleaf

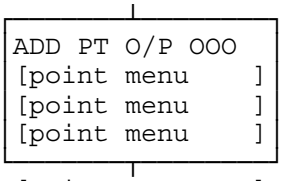


Specify descriptor.
Select characters (see **USING THE KEYPAD**)



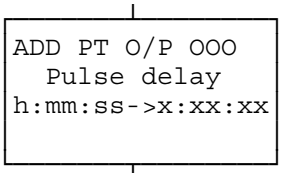
Specify normal state of point output.
Press '✓' to change specified state
Press 'X' to retain state

[st]
ON
OFF

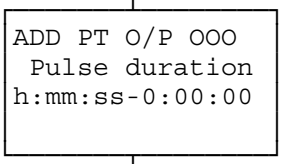


Specify type of point output.
Use '▲' or '▼' to scroll required type
to line 2. Press '✓'

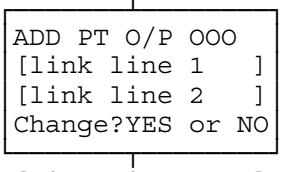
[point menu]
. Momentary
. Monitor
. Latched



If momentary:
Specify delay before active.
Enter 1 digit number (hours). Press '✓'
Enter 2 digit number (minutes). Press '✓'
Enter 2 digit number (seconds). Press '✓'



Specify active duration.
Enter 1 digit number (hours). Press '✓'
Enter 2 digit number (minutes). Press '✓'
Enter 2 digit number (seconds). Press '✓'

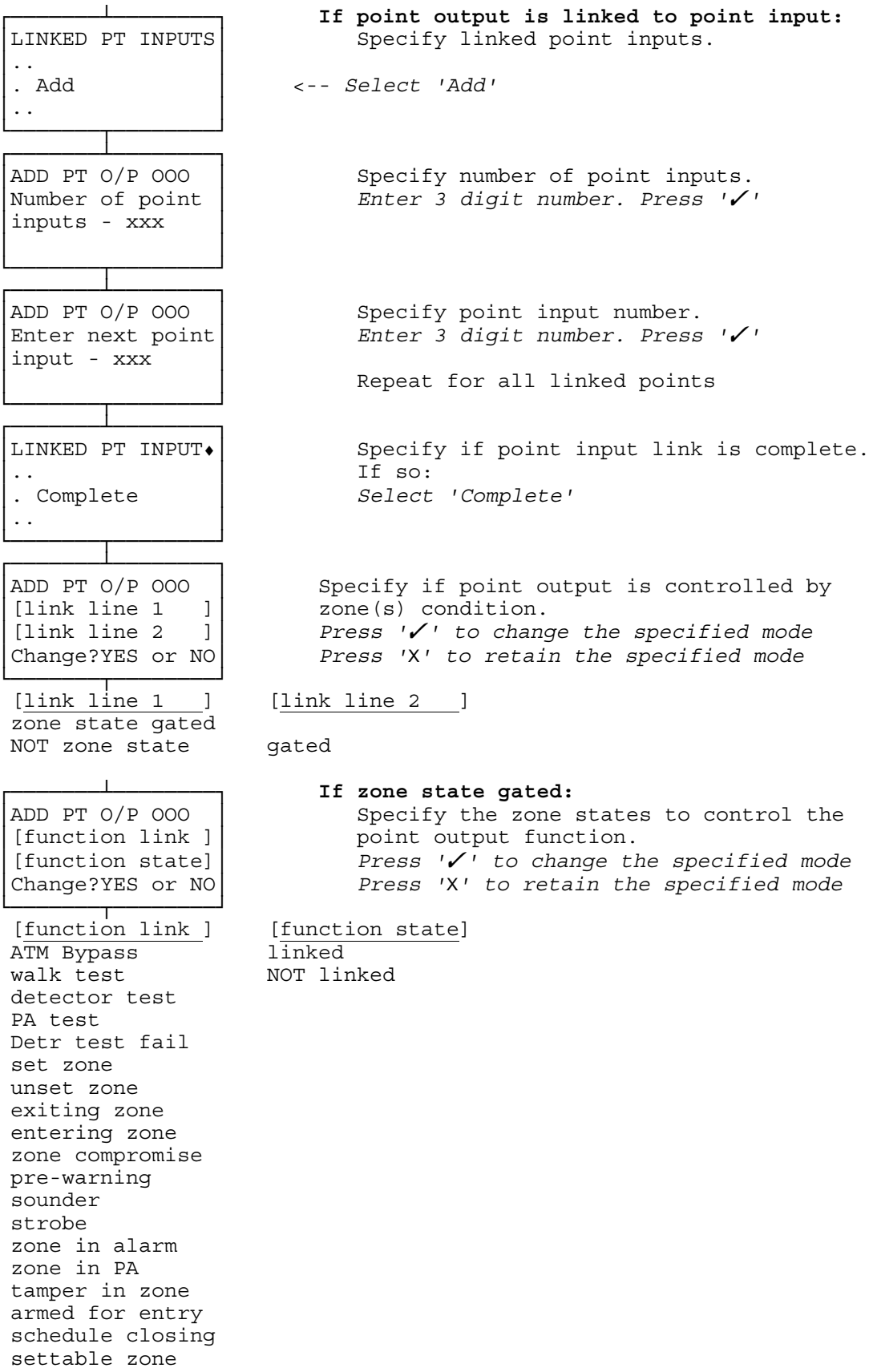


Specify if point output is controlled
by point input status.
Press '✓' to change the specified mode
Press 'X' to retain the specified mode

[link line 1]
Point is
Point IS NOT

[link line 2]
POINT I/P DRIVEN
POINT I/P DRIVEN

CONFIGURE : POINT OUTPUT (Add) continued overleaf



If point output is linked to point input:
Specify linked point inputs.

<-- *Select 'Add'*

Specify number of point inputs.
Enter 3 digit number. Press '✓'

Specify point input number.
Enter 3 digit number. Press '✓'

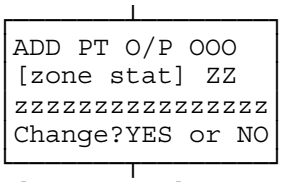
Repeat for all linked points

Specify if point input link is complete.
If so:
Select 'Complete'

Specify if point output is controlled by zone(s) condition.
Press '✓' to change the specified mode
Press 'X' to retain the specified mode

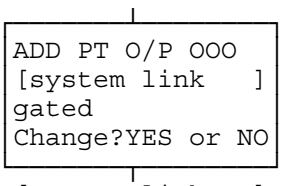
If zone state gated:
Specify the zone states to control the point output function.
Press '✓' to change the specified mode
Press 'X' to retain the specified mode

CONFIGURE : POINT OUTPUT (Add) continued overleaf



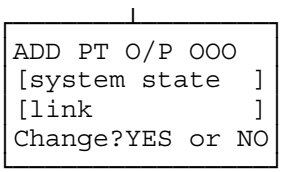
Specify zone(s) whose condition affects the point output
Press '✓' to change the displayed status
Press 'X' to retain the displayed status

[zone stat]
in zone
NOT in zone



Specify whether system state affects the point output.
Press '✓' to change the displayed status
Press 'X' to change the displayed status

[system link]
system state
not system state



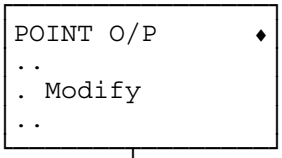
If system state linked:
Specify the system state(s) to control the point output function.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status

[system state]
line fault
mains fail
Detr test fail

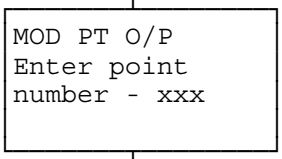
[link]
linked
NOT linked

Returns to 'POINT O/P' menu

POINT OUTPUT (Modify)



<-- *Select 'Modify'*

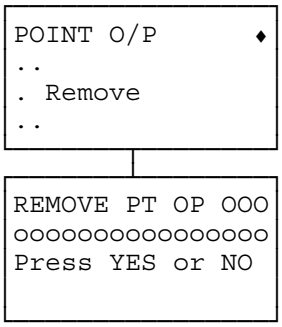


Specify point output number.
Enter 3 digit number. Press '✓'

.....continue as for POINT OUTPUT (Add)

CONFIGURE : POINT OUTPUT continued overleaf

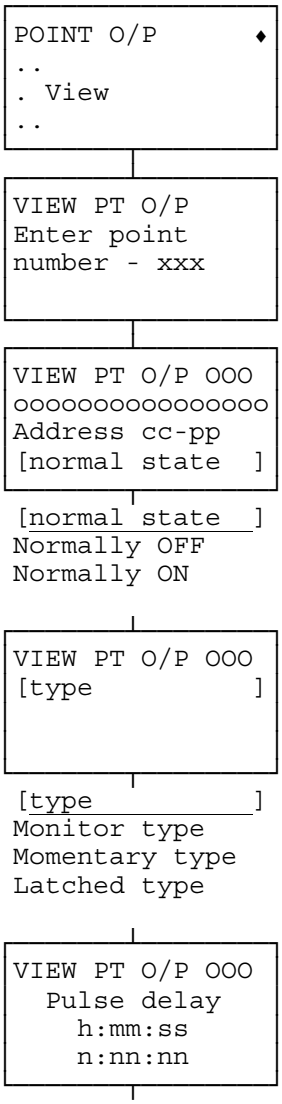
POINT OUTPUT (Remove)



<-- Select 'Remove'

Specify point output(s) to be removed.
Press '✓' to remove point
Press 'X' to retain point

POINT OUTPUT (View)



<-- Select 'View'

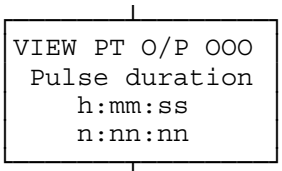
Specify point output number.
Enter 3 digit number. Press '✓'

Display of descriptor.
Display of address.
Display of normal state.
Press '✓' to continue

Display of point output type.
Press '✓' to continue

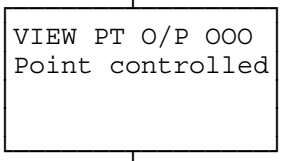
For momentary point:
Display of delay before active.
Press '✓' to continue

CONFIGURE : POINT OUTPUT (View) continued overleaf

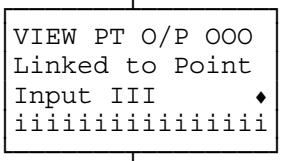


Display of time active.
Press '✓' to continue

If point input controlled:

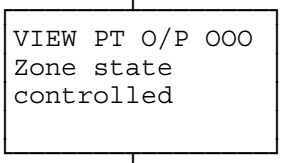


Display of point input controlled status.
Press '✓' to continue

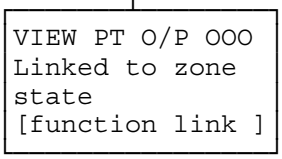


Display of controlling points
Use '▲' or '▼' to scroll points list
Press '✓' to continue

If zone state controlled:

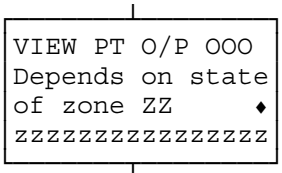


Display of zone state control status
Press '✓' to continue



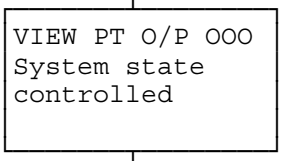
Display of zone states linked.
Use '▲' or '▼' to scroll zone states
Press '✓' to continue

[function link]
see **POINT OUTPUT (Add)**

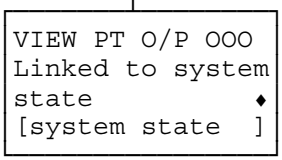


Display of zones.
Use '▲' or '▼' to scroll zone list
Press '✓' to continue

If system state controlled:



Display of system state link status
Press '✓' to continue



Display of system states linked.
Use '▲' or '▼' to scroll system states
Press '✓' to continue

[system state]
see **POINT OUTPUT (Add)**

Returns to 'POINT O/P' menu

CONFIGURE : REMOTE COMMS (COMMUNICATIONS TYPE)

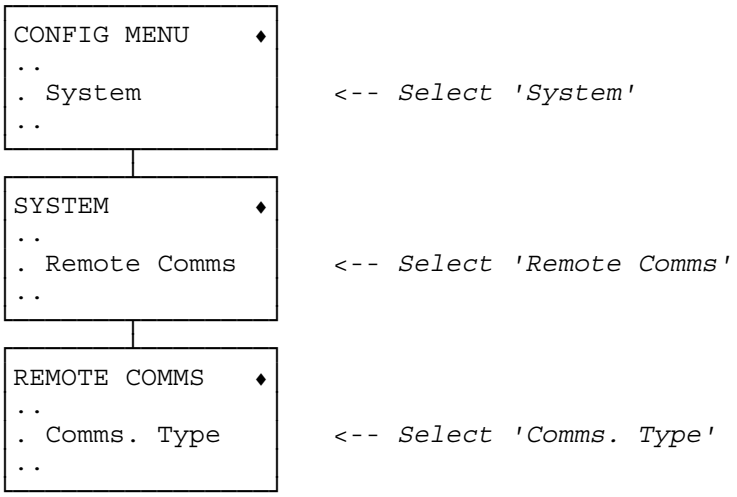
Alarms may be reported to the central station by three means: (i) a parallel communicator such as a Redcare STU or digidialer; (ii) a ChubbCOM emulating an Ademco dialler; (iii) a serial communicator such as ChubbCOM, a modem, or a PAD.

Primary / Secondary The definition depends on the mode:

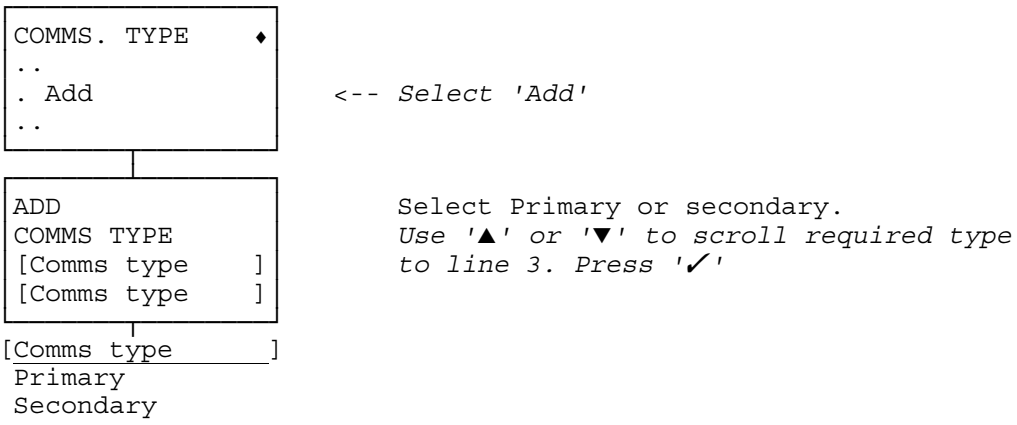
Parallel Port Communicators : Applies to the Control Unit. Thus one communicator is designated the primary communicator and transmits the event messages unless a fault arises. Then the events are transmitted by the secondary communicator.

Serial Port Communicators : Applies to the Remote Site. Thus one remote site is designated the primary site and one is designated the secondary site. (Note that this may simply refer to different hardware in the same place or be geographically separate.)

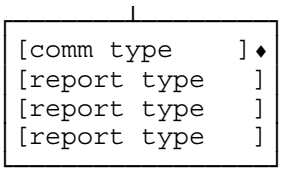
ADEMCO Emulation The ChubbCOM communicator may be used as a dialler performing the same functions as an ADEMCO dialler.



COMMUNICATIONS TYPE (Add)



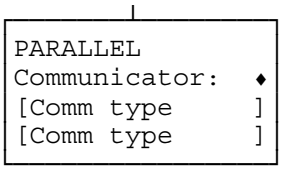
CONFIGURE : COMMUNICATIONS TYPE (Add) continued overleaf



Specify type of reporting.
Use '▲' or '▼' to scroll required type to line 2. Press '✓'

[comm type]
PRIMARY
SECONDARY

[report type]
Parallel
Ademco Emul.
Serial

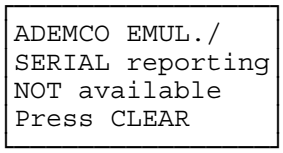


For Parallel:
Specify type of communicator.
Use '▲' or '▼' to scroll required communicator to line 3. Press '✓'

[Comm type]
not used
General o/p
Internet I
Interdial II
ADEMCO
Plug on
Telecom CARE
Internet II

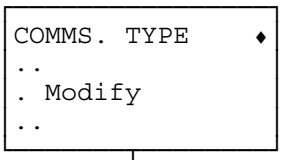
NOTES

No 'Add' in 'COMMS TYPE' menu — Primary & Secondary communications are already configured



The ADEMCO EMULATION mode and SERIAL mode are not configurable at the keypad in the software version installed.

COMMUNICATIONS TYPE (Modify)



<-- *Select 'Modify'*

.....continue as for COMMUNICATIONS TYPE (Add)

CONFIGURE : COMMUNICATIONS TYPE continued overleaf

COMMUNICATIONS TYPE (Remove)

```
COMMS. TYPE     ♦
..
. Remove
..
```

<-- *Select 'Remove'*

```
REMOVE
COMMS TYPE
1 Primary
2 Secondary
```

Select Primary or secondary.
Use '▲' or '▼' to scroll required type to line 3. Press '✓'

```
[comm type     ]
Remove all
[type   ] events
Press YES or NO
```

Request for confirmation to remove
Press '✓' if removal required
Press 'X' if removal not required

```
[comm type        ]
 PRIMARY
 SECONDARY
```

```
[type      ]
 Primary
 Secondary
```

COMMUNICATIONS TYPE (View)

```
COMMS. TYPE     ♦
..
. View
..
```

<-- *Select 'View'*

```
VIEW
COMMS TYPE
1 Primary
2 Secondary
```

Select Primary or secondary.
Use '▲' or '▼' to scroll required type to line 3. Press '✓'

```
PRIMARY
PARALLEL EVENTS
communicator -
[comm type     ]
```

For Primary:
Display of Communicator type.
Use '▲' or '▼' to scroll. Press '✓'

```
SECONDARY
PARALLEL EVENTS
communicator -
[comm type     ]
```

For Secondary:
Display of Communicator type.
Use '▲' or '▼' to scroll. Press '✓'

Returns to menu

CONFIGURE : REMOTE COMMS (EVENT GROUPS)

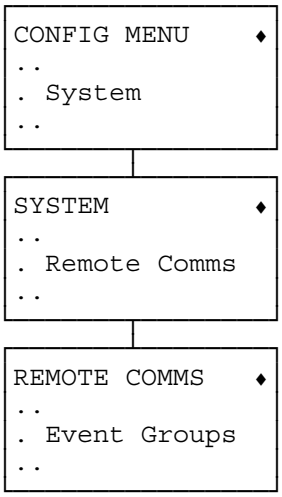
Configure remote comms. event groups.

Events are the zone, point, system messages which are sent to a Remote Site. Events are collected together to form an 'Event Group'. The group is assigned a number which has a significance based on the type of communications:

Parallel	The Event Group number represents the parallel port pin which will be activated.
ADEMCO emulation	The Event Group number represents the channel number.
Serial	The Event Group number represents the channel number.

Priority Events For ADEMCO emulation and Serial the priority of Event Reporting over Management functions must is selectable. If 'High Priority Events' are selected then any management function in progress when event information requires transmission is suspended and the events information will be sent.

Note that if both the primary and secondary communicators are serial then the event group will go on either depending on the status of the receiver.

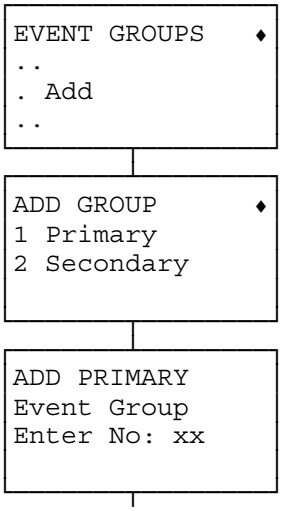


<-- Select 'System'

<-- Select 'Remote Comms'

<-- Select 'Event Group'

EVENT GROUPS (Add)



<-- Select 'Add'

Select primary or secondary.
Use '▲' or '▼'to scroll required type to line 2. Press '✓'

For Parallel/ADEMCO emulation:
Select group number.
Enter 2 digit number. Press '✓'

CONFIGURE : EVENT GROUPS (Add) continued overleaf

```
ADD PRIMARY
Event Group
Enter No: xxxx
```

For Serial Event Reporting:
Select group number.
Enter 4 digit number. Press '✓'

```
[group type    ]
No. 1 [priority]
Priority Events
Change?YES or NO
```

For Serial Event Reporting/ADEMCO Emulation:
Select priority.
Press '✓' to change displayed status
Press 'X' to retain displayed status

```
[group type       ]
 PRIMARY
 SECONDARY
```

```
[priority]
 Low
 High
```

```
PRIMARY MESSAGE♦
[type menu     ]
[type menu     ]
[type menu     ]
```

Select message type.
Use '▲' or '▼' to scroll required type to line 2. Press '✓'

```
[type menu        ]
 . Group Complete
 . System message
 . Zone messages
 . Point messages
 . Door messages
```

```
SYSTEM MESSAGES
[system message]
[status        ]
Change?YES or NO
```

If system messages required:
Select system messages.
Press '✓' to change displayed status
Press 'X' to retain displayed status

```
[system message  ]
 ALL Alarm/Tamper
 Any Alarm
 Any Tamper
 Night Alarm only
 24hr Point only
 PA Alarms only
 Battery Low
 Comms Fail
 Comms Test
 Tamper on Bell
 Tamper on Panel
 DG Network Fail
 UI Network Fail
 Mains Fail
 Autoset Demand
 System SET
 System UNSET
 Clock Changed
 Service log
 Max shunts
 Max isolates
 Processor Reset
 System Error
```

```
[status         ]
 USED
 UNUSED
```

CONFIGURE : EVENT GROUPS (Add) continued overleaf

```
Late Work Active
Work Early Activ{e}
Any Zone SET
Service access
Any schd expiry
Tamper set zone
Duress PIN
Incident
Any INOVA InvAcc
Any INOVA DurAcc
Any INOVA HeldOp
Any INOVA ForcOp
Any INOVA LnFaul
Any INOVA Tamper
INOVA Comms Fail
ISB failure
Battery failure
Pri. Comms Fail
Sec. Comms Fail
Test Message
Verified Alarm
Bat test failed
```

```
ZONE MESSAGES
[zone message  ]
[status        ]
Change?YES or NO
```

If zone messages are required:

Select zone messages.

Press '✓' to change displayed status and move to next zone.

Press 'X' to retain displayed status and move to next zone.

Press '▲' and '▼' to move through the message types while leaving the zone unaltered. Entering a zone number and pressing '✓' goes to that zone number without changing the current displayed status.

[zone message]	[status]
Zone ZZ Alarm	Zone ZZ USED
Zone ZZ Tamper	Zone ZZ UNUSED
Zone ZZ SET	
Zone ZZ UNSET	
Zone ZZ expiry	
Zone ZZ PA alarm	
Zone ZZ 24 hour	
Zone ZZ night	
Zone ZZ battery	
Zone ZZ max isol{ates}	
Zone ZZ max shun{ts}	
Zone ZZ em. unse{t}	
Zone ZZ Entry Du{ress}	
Zone ZZ has shun{t}	
Zone ZZ has isol{ate}	
ATM Zone ZZ byps{s}	
ZZ Autoset Fail	
Keypad U Locked	UI U USED
	UI U UNUSED
Zone ZZ Verify A{larm}	

CONFIGURE : EVENT GROUPS (Add) continued overleaf

```
┌──────────────────┐
│POINT MESSAGES    │
│Report point xxx  │
│Point xxx [stat]  │
│Change?YES or NO  │
└──────────────────┘
```

```
[stat              ]
 USED
 UNUSED
```

If Point messages are required:
Select point messages.
Press '✓' to change displayed status
Press 'X' retain displayed status
Entering a point number and pressing '✓' goes to that point without changing the current status.
Press '▲' and '▼' to move 8 points at a time.

```
┌──────────────────┐
│DOOR MESSAGES     │
│[door function ]  │
│Door x [status ]  │
│Change?YES or NO  │
└──────────────────┘
```

```
[door function    ]
 Door xx InvAcc
 Door xx DurAcc
 Door xx HeldOp
 Door xx ForcOp
 Door xx LnFaul
 Door xx Tamper
```

If Door Messages are required:
Select door function messages.
Press '✓' to change displayed status
Press 'X' to retain displayed status

```
[status ]
 USED
 UNUSED
```

EVENT GROUPS (Modify)

```
┌──────────────────┐
│EVENT GROUPS    ♦ │
│..                │
│. Modify          │
│..                │
└──────────────────┘
```

<-- *Select 'Modify'*

.....continue as for EVENT GROUPS (Add)

EVENT GROUPS (Remove)

```
┌──────────────────┐
│EVENT GROUPS    ♦ │
│..                │
│. Remove          │
│..                │
└──────────────────┘
```

<-- *Select 'Remove'*

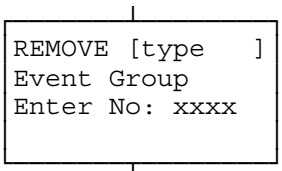
```
┌──────────────────┐
│ADD GROUP       ♦ │
│1 Primary         │
│2 Secondary       │
└──────────────────┘
```

Select primary or secondary.
Use '▲' or '▼'to scroll required type to line 2. Press *'✓'*

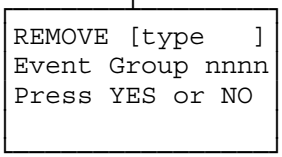
```
┌──────────────────┐
│REMOVE [type    ] │
│Event Group       │
│Enter No: xx      │
└──────────────────┘
```

For Parallel/ADEMCO emulation:
Select group number.
Enter 2 digit number. Press '✓'

CONFIGURE : EVENT GROUPS (Remove) continued overleaf



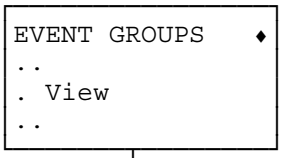
For Serial Event Reporting:
Select group number.
Enter 4 digit number. Press '✓'



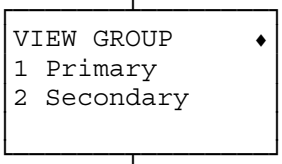
Display of group number for confirmation
Press '✓' to remove
Press 'X' to retain

Returns to menu if successful

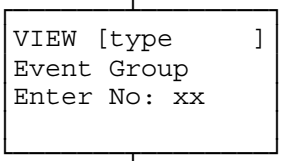
EVENT GROUPS (View)



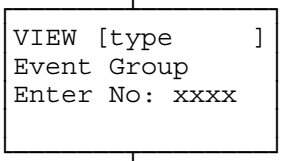
<-- Select 'View'



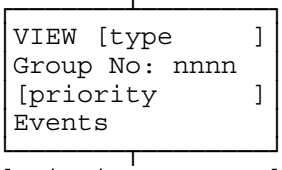
Select primary or secondary.
Use '▲' or '▼'to scroll required type to line 2. Press '✓'



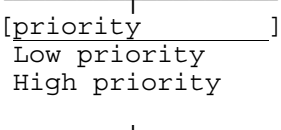
For Parallel/ADEMCO emulation:
Select group number.
Enter 2 digit number. Press '✓'

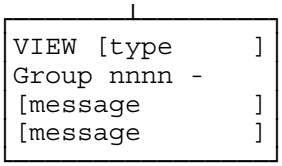


For Serial Event Reporting:
Select group number.
Enter 4 digit number. Press '✓'

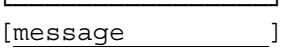


Display of priority.
Press '✓' to continue





Display of group events.
Press '✓' to continue



As in **CONFIGURE : EVENT GROUPS (Add)**
and including 'Hist log events'

CONFIGURE : REMOTE COMMS (SERIAL EQUIPMENT)

Configure type of serial equipment and mode of operation.

Monitor Line facility The health of the telephone line connection is periodically checked.
Session Time-out The maximum time for which an idle connection is retained since the last communication.

```
CONFIG MENU     ♦
..
. System
..
```
<-- *Select 'System'*

```
SYSTEM          ♦
..
. Remote Comms
..
```
<-- *Select 'Remote Comms'*

```
REMOTE COMMS    ♦
..
. Serial Equip.
..
```
<-- *Select 'Serial Equip.'*

SERIAL EQUIPMENT (Modify)

```
SERIAL
EQUIPMENT       ♦
. Modify
..
```
<-- *Select 'Modify'*

```
MODIFY
EQUIPMENT       ♦
Port number: x
```
Select serial port.
Enter 1 digit number. Press '✓'
The range is 1 to 2 unless a four serial port mezzanine board is present, when it is 1 to 6.

```
SERIAL PORT N
Communicator:   ♦
[type menu line]
[type menu line]
```
Select communicator type (or none).
Use '▲' or '▼' to scroll required communicator to line 3. Press '✓'

```
[type menu line  ]
 . not used
 . ChubbCOM
 . PAD
 . V.25bis
 . Hayes
 . Hayes HDX
 . WindsorModem
 . Wmodem HDX
 . INOVA
 . Direct
```

Note: For 'Hayes' and 'V.25bis the device connected must be:
8 data bits, No parity, 1 stop bit

'HDX' - Half Duplex

CONFIGURE : SERIAL EQUIPMENT (Modify) continued overleaf

```
SERIAL PORT x
Protocol:      ♦
[prot menu line]
[prot menu line]
```

```
[prot menu line  ]
 . PS/006
 . PS/018
 . PS/024
```

If protocol is variable:
Select data protocol
Use '▲' or '▼' to scroll required protocol to line 3. Press '✓'

```
SERIAL PORT x
Data rate:     ♦
[rate menu line]
[rate menu line]
```

```
[rate menu line  ]
 . 1200
 . 2400
 . 4800
 . 9600
 . 19200
 . 38400
```

Select data rate
Use '▲' or '▼' to scroll required baud rate to line 3. Press '✓'

```
SERIAL PORT x
Monitor Line is
[status        ]
Change?YES or NO
```

```
[status          ]
 ENABLED
 DISABLED
```

If not INOVA:
Specify Monitor Line facility.
Press '✓' to change displayed status
Press 'X' to retain displayed status

```
SERIAL PORT x
Session Timeout
xx:xx hh:mm
```

Specify Session time-out period.
Select 2 digit hour. Press '✓'
Select 2 digit minute. Press '✓'
If zero, the session does not time out.

```
SERIAL PORT x
Port address
000.000.000.000
```

For IP network applications:
Specify the Port IP address.
Enter 4 3-digit numbers. Press '✓'

```
SERIAL PORT x
Router address
000.000.000.000
```

Specify the Router IP address.
Enter 4 3-digit numbers. Press '✓'

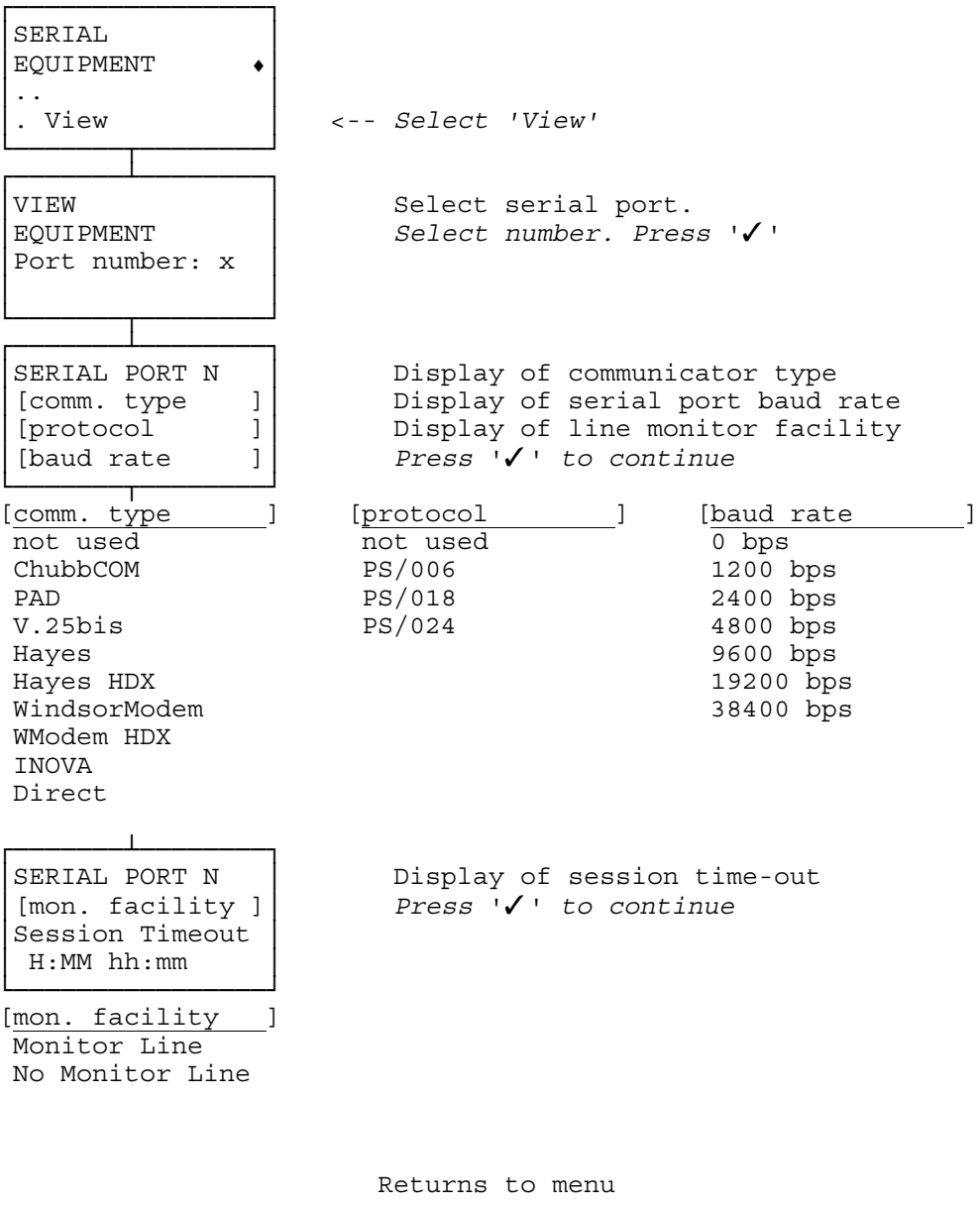
```
SERIAL PORT x
Subnet mask
000.000.000.000
```

Specify the subnet mask.
Enter 4 3-digit numbers. Press '✓'

Returns to menu if successful

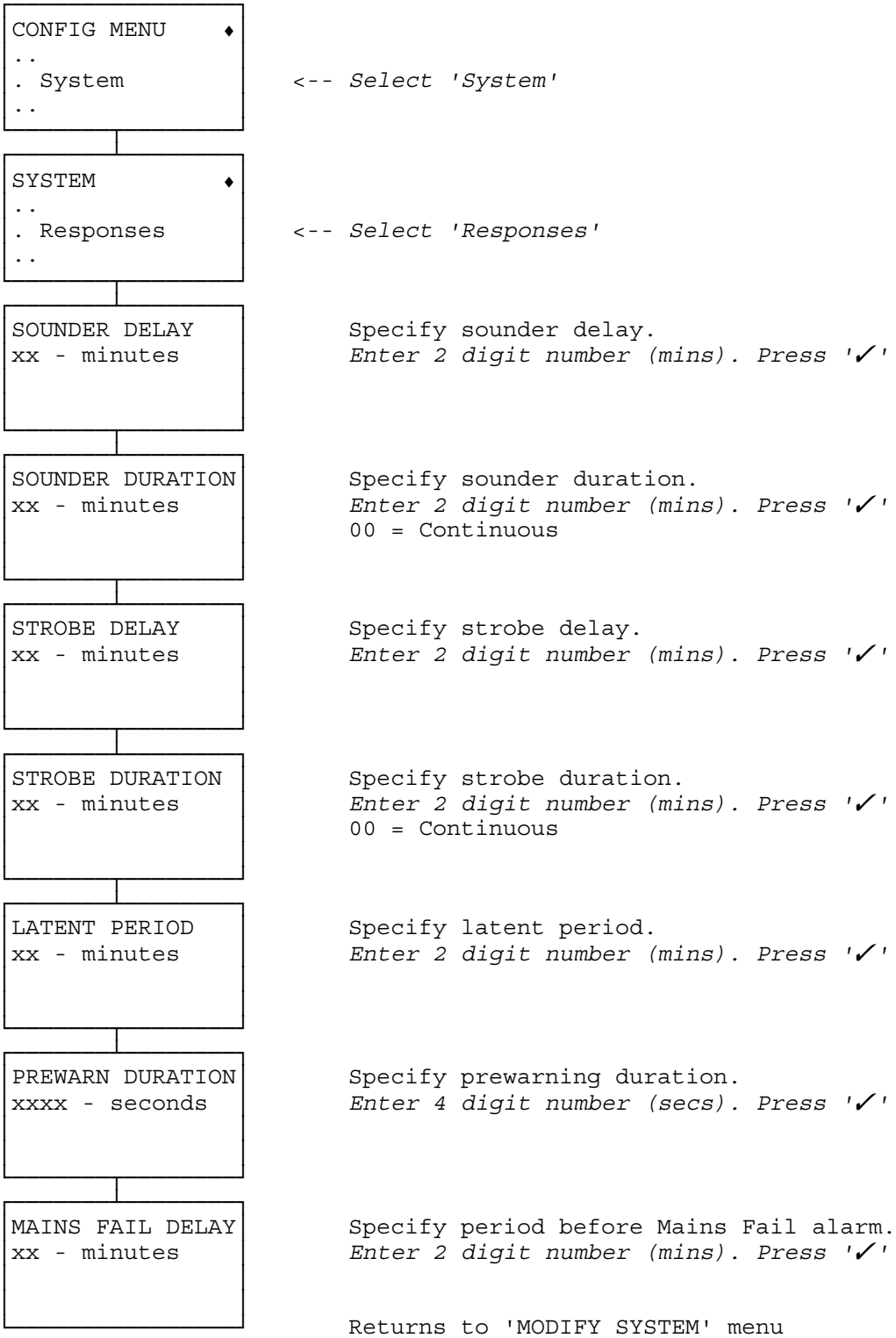
CONFIGURE : SERIAL EQUIPMENT (View) overleaf

SERIAL EQUIPMENT (View)



CONFIGURE : RESPONSES

Configure sounders/strobes delays and duration. Some point types such as NA2 and PA1 only activate the local sounder if a line fault is detected when the alarm occurs, or if a communication failure is detected within the **latent period** following the alarm. Configure the period over which mains fail should be detected before a Mains Fail alarm is generated.



Schedules control when zones may be unset and when they must be set. Each zone may be controlled by one or more schedules. If a zone is not controlled by any schedules it may be set and unset at any time. Otherwise the zone may only become unset while at least one of its controlling schedules are in an **open window**. While at least one of its controlling schedules are **open** (but none are in an open window) the zone may remain set or unset, it may become set, but once it is set the zone cannot become unset. While all of a zone's controlling schedules are **closed**, the zone must become or remain set, it may not become or remain unset.

Normally the open window of a schedule starts at the **earliest normal opening** and ends at the **latest normal opening**, the schedule is then open until the **latest normal closing**, it is then closed until the following earliest normal opening.

The early open feature may be used to bring the start of the open window forward (see User Manual). The start of the open window cannot be bought forward any further than the **earliest early opening**. Similarly late working delays the when the schedule becomes shut. This can not be delayed any further that the **latest late working**.

If all five times above are set to zero, the schedule is closed all day.

SCHEDULE (Add)

```
CONFIG MENU     ♦
..
. Schedule
..
```

<-- *Select 'Schedule'*

```
SCHEDULE S      ♦
sssssssssssssss
Press YES to
select
```

Specify schedule number.
Use '▲' or '▼' to scroll number. Press '✓'

```
SCHEDULE S
Controls zone ZZ
zzzzzzzzzzzzzzz
Press YES or NO
```

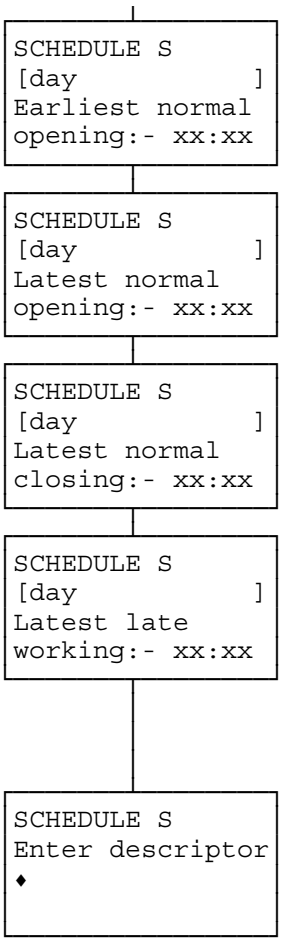
Specify zone(s) to be controlled by the schedule.
Press '✓' to select zone
Press 'X' to reject zone
Repeat for all zones

```
SCHEDULE S
[day           ]
Earliest early
opening:- xx:xx
```

Repeat for each day:
Specify Earliest early opening.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min.). Press '✓'
If not required the time must be set to the same as normal opening.

```
[day           ]
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday
 Sunday
```

CONFIGURE : SCHEDULE (Add) continued overleaf



Specify Earliest normal opening.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min.). Press '✓'

Specify Latest normal opening.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min.). Press '✓'

Specify Latest normal closing.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min.). Press '✓'

Specify Latest late working.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min.). Press '✓'
If not required the time must be set to the same as normal closing.

The above repeats for each day to be specified.

Specify schedule descriptor.
Select characters (see **USING THE KEYPAD**)

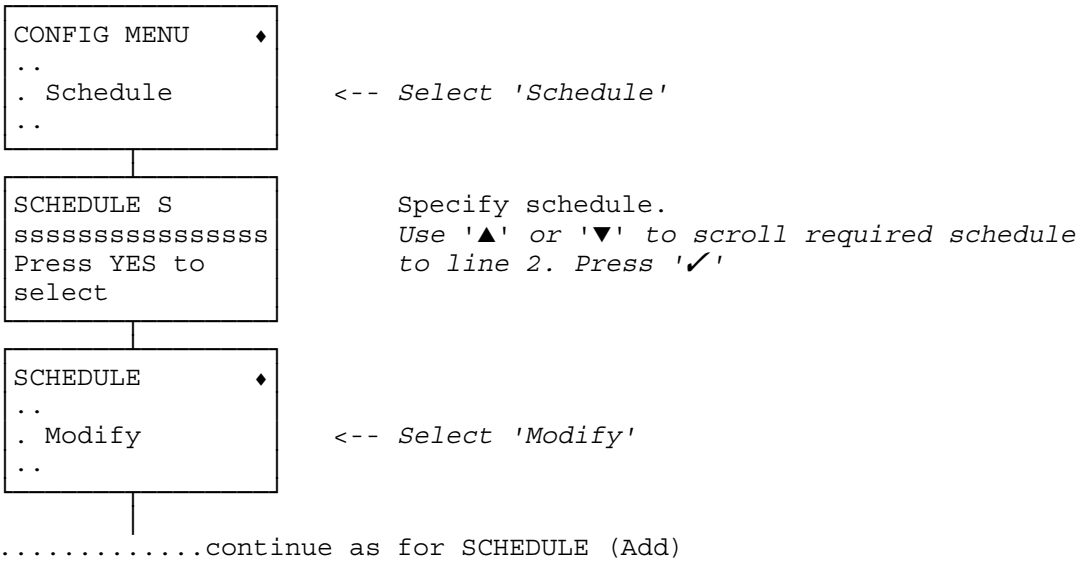
Returns to 'Log-On'

NOTES

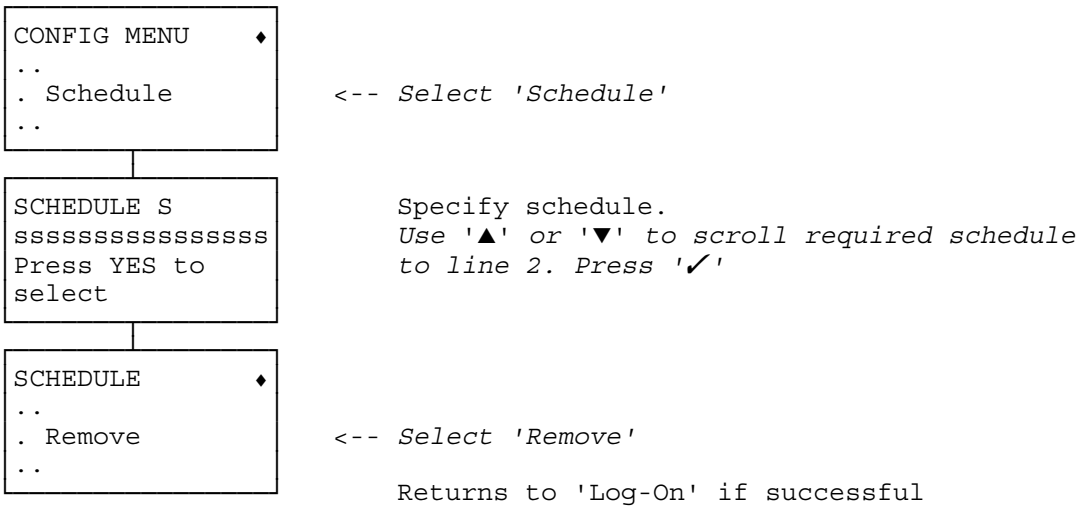
SCHEDULE ERROR Overlapping time settings	A mistake in data entry. For example Latest Normal Opening is before Earliest Normal Opening.

CONFIGURE : SCHEDULE continued overleaf

SCHEDULE (Modify)



SCHEDULE (Remove)



CONFIGURE : START/END CONFIGURATION

The behaviour of the Windsor 700 is largely controlled by its configuration. The configuration will usually be created using the Windsor 700 Configuration Editor PC software. The configuration is then transferred to the Windsor 700 either using a PROM Pack (See **CONFIGURE : COPY CONFIGURATION**) or a GuardStation (See **CONFIGURE : REMOTE CONFIGURATION**). The configuration may be altered (or in an emergency created) at the keypad. Before altering the configuration, the Windsor 700 must be put into configuration mode using the following procedure. Note that while the Windsor 700 is in configuration mode, it is unable to monitor alarms and all other keypads are disabled.

.

CONFIGURATION (Start)

```
FUNCTION SELECT♦
. ..
. Configuration      <-- Select 'Configuration'
. ..
```

```
Command Disables
*** Panel    ***
Press NO = Quit
YES = Continue
```

Note that the system is no longer able to monitor alarms if the function is continued.
Press '✓' to continue
Press 'X' to abort
If successful the 'CONFIG MENU' is presented.
Continue according to requirement then perform 'End' as described overleaf.

NOTES

```
CONFIG FAIL
System set or
partially set
```

Set zones will prevent the configuration examination/modification.
The zones must be unset to continue.
Press 'C'

```
Configuration
disable
Other users
logged on
```

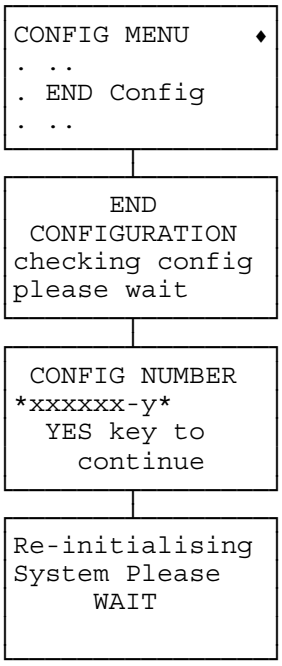
Other users are logged-on.
or a remote user is logged-on.
This prevents configuration examination.
Press 'C'

```
Configuration
disable
Comms in use
Press CLEAR
```

The comms link is in use.
This prevents configuration examination.
Press 'C'

CONFIGURE : START/END CONFIGURATION continued overleaf

CONFIGURATION (End)



<-- *Select 'END Config'*

The configuration is checked for anomalies

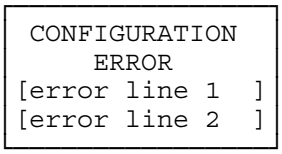
For small configurations, this may be displayed only for a short time.

If configuration is acceptable:
Display of updated version number
xxxxxx is the site i.d. and may be changed
y is the config. version and may not be changed.
Press '✓' to continue

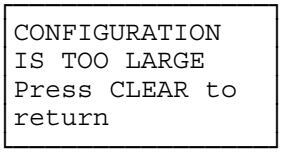
Wait for the system to re-initialise with the new configuration.

The display will clear and then return to 'FUNCTION SELECT' menu if successful

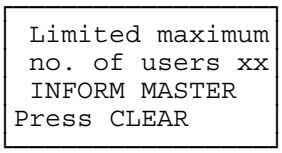
NOTES



There are a large number of error messages associated with this display.
The error must be corrected.
Press 'C' to return to menu



The configuration is too large for the storage device which is fitted on the Control Unit PCB.
The device will require substitution or the configuration must be reduced.
Press 'C' to return to menu



The configuration data has filled the storage device to the extent that the space remaining to hold user data is restricted and the number of users will hence be limited as displayed.

CONFIGURE : UI

This facility enables the programming of devices which connect to the User Interface Network (UIN).

Disabled in a set zone The display will be blank. Pressing a key will un-blank the display and the user may log-in.

Disabled in an unset zone The display will be blank but in this instance attempted use by pressing a key will have no effect. This facility is primarily intended for ATM bypass.

A card reader can be attached to one or more keypads. This can be used to grant access to an ATM lobby when a valid card is swiped (see **CONFIGURE : LOBBY ACCESS** for how to set up valid cards) or alternatively to provide access card log-on (see the User Manual for how to setup valid user cards). When configuring a keypad you must specify whether a lobby card reader is attached. If so, you must specify which point output is linked to the lobby door strike and for how long the door must be opened when a card is swiped. The point output must be configured to react to some point, zone, or system condition. Usually it will be configured as a monitor point linked to a signalling point input. this point input is then wired to a request to exit button.

```
CONFIG MENU     ♦
..
. UI Port
..
```

<-- *Select 'UI Port'*

UI (Add)

```
UI PORT         ♦
..
. Add
..
```

<-- *Select 'Add'*

```
UI PORT
Enter address-x
```

Specify address of UI.
Enter 1 digit number. Press '✓'

```
UI PORT K
Enter descriptor
♦
```

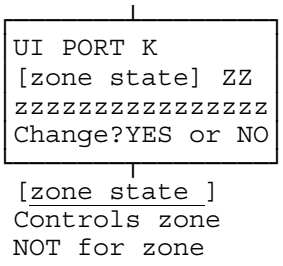
Specify descriptor of UI.
Select characters (see **USING THE KEYPAD**)

```
UI PORT K
Select type
[UI type menu  ]
```

Specify type of UI.
Use '▲' or '▼' to scroll required UI type to line 3. Press '✓'

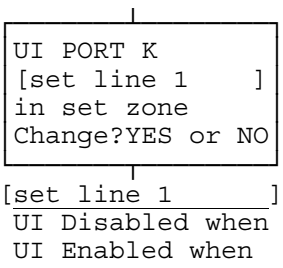
```
[UI type menu    ]
 . normal
```

CONFIGURE : UI (Add) continued overleaf

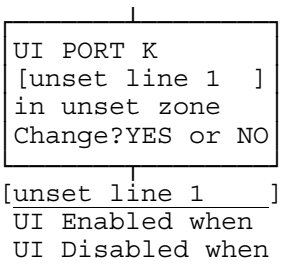


Specify zone(s) to be controlled by UI.
Press '✓' to change displayed status
Press 'X' to retain displayed status

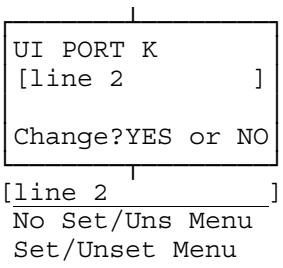
Repeats for all zones



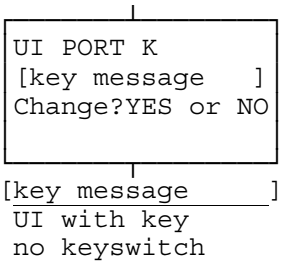
If the UI is disabled when all its zones are set, the display will be blanked. In this state, pressing a key unblanks the display and the user may log-in.
Press '✓' to change displayed status
Press 'X' to retain displayed status



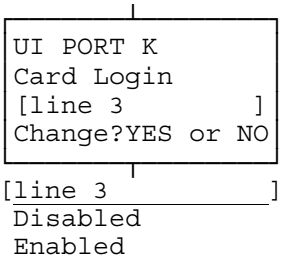
If the UI is disabled when all its zones are unset the display will be blanked. In this state, pressing a key will have no effect.
Press '✓' to change displayed status
Press 'X' to retain displayed status



Specify whether UI has set/unset menu.
Press '✓' to change displayed status
Press 'X' to retain displayed status



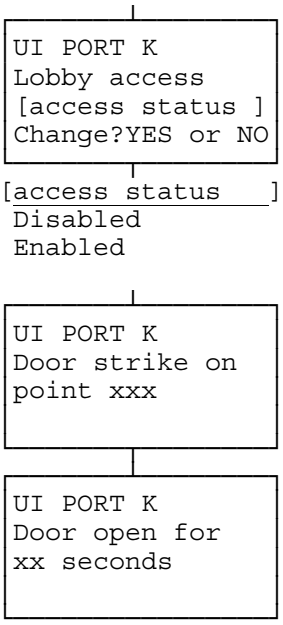
Specify whether UI has keyswitch.
Press '✓' to change displayed status
Press 'X' to retain displayed status



Specify whether UI has card reader for log-on.
Press '✓' to change displayed status
Press 'X' to retain displayed status

CONFIGURE : UI (Add) continued overleaf

CONFIGURE : UI (Add) continued



Specify whether UI has lobby access.
Press '✓' to change displayed status
Press 'X' to retain displayed status
If you select this then card reader log-on is disabled.

If lobby access enabled:
Specify point output controlling lobby door.
Enter 3 digit number. Press '✓'

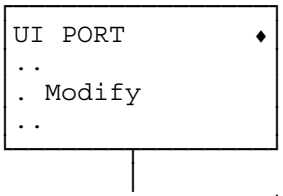
Specify duration of point output (0 to 99s)
Enter 2 digit number (01 to 99). Press '✓'

Returns to 'UI NETWORK DEF' menu

NOTES

'invalid number' The number selected is out-of-range or the number has already been allocated.

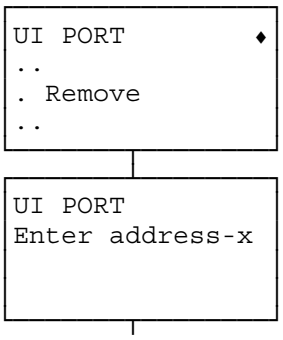
UI (Modify)



<-- *Select 'Modify'*

.....continue as for UI (Add)

UI (Remove)



<-- *Select 'Remove'*

Specify UI Address.
Enter 1 digit number. Press '✓'

CONFIGURE : UI (Remove) continued overleaf

```
┌──────────────────┐
│REMOVE UI K       │      Display of UI descriptor for confirmation.
│kkkkkkkkkkkkkkkk  │      Press '✓' to remove
│Press YES or NO   │      Press 'X' to abort
└──────────────────┘
                           Returns to 'CONFIG MENU' if successful
```

UI (View)

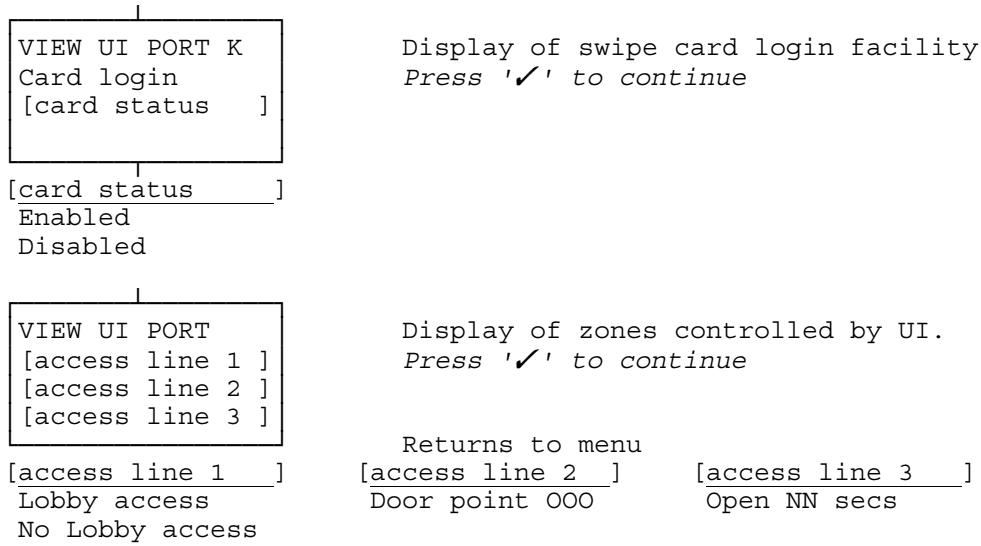
```
┌──────────────────┐
│UI PORT         ♦ │
│..                │
│. View            │  <-- Select 'View'
│..                │
└──────────────────┘
         │
┌──────────────────┐
│UI PORT           │      Specify UI Address.
│Enter address-x   │      Enter 1 digit number. Press '✓'
└──────────────────┘
         │
┌──────────────────┐
│VIEW UI PORT K    │      Display of UI descriptor.
│kkkkkkkkkkkkkkkk  │      Display of keyswitch status.
│[key status    ]  │      Press '✓' to continue
│[set/unset menu]  │
└──────────────────┘
[key status       ]    [set, unset menu ]
 keyswitch fitted       No Set/Uns menu
 No keyswitch           Set/Unset menu

┌──────────────────┐
│VIEW UI PORT K    │      Display of activity in set zones.
│[set status    ]  │      Press '✓' to continue
│controllable      │
│zones are set     │
└──────────────────┘
[set status       ]
 Enabled when
 Disabled when

┌──────────────────┐
│VIEW UI PORT K    │      Display of activity in unset zones.
│[unset status  ]  │      Press '✓' to continue
│controllable      │
│zones are unset   │
└──────────────────┘
[unset status     ]
 Enabled when
 Disabled when

┌──────────────────┐
│VIEW UI PORT      │      Display of zones controlled by UI.
│Controllable      │      Use '▲' or '▼' to scroll zone list
│zone ZZ         ♦ │      Press '✓' to continue
│zzzzzzzzzzzzzzzz  │
└──────────────────┘
```

CONFIGURE : UI (View) continued overleaf


VIEW UI PORT K
Card login
[card status]
Display of swipe card login facility.
Press '✓' to continue
[card status]
Enabled
Disabled
VIEW UI PORT
[access line 1]
[access line 2]
[access line 3]
Display of zones controlled by UI.
Press '✓' to continue
Returns to menu
[access line 1]
Lobby access
No Lobby access
[access line 2]
Door point OOO
[access line 3]
Open NN secs

This facility enables the creation or modification of a zone, the removal of a zone from the configuration or provides information on the zone(s) already configured.

Normal	The default zone type.
Secure	A zone which is always set and cannot be unset.
Special secure	This zone type is obsolete and should not be used.
ATM Bypass	A zone with one or more ATMs which may be accessed using the ATM Bypass feature.
Max number of isolated points	This number must be less, by at least one, than the number of isolatable points in the zone.
Max number of shunted points	This number must be less, by at least one, than the number of shuntable points in the zone.
Linked for set	Zones which will be set when this one is set. If setting of any of these zones would cause an alarm, then none of the zones are set, including this one.

```
CONFIG MENU     ♦
..
. Zone
..
```

<-- Select 'Zone'

ZONE (Add)

```
ZONE            ♦
..
. Add
..
```

<-- Select 'Add zone'

```
ADD ZONE
Enter number:-xx
```

Specify zone number.
Enter 2 digit number. Press '✓'

```
ADD ZONE ZZ
Enter descriptor
♦
0=complete
```

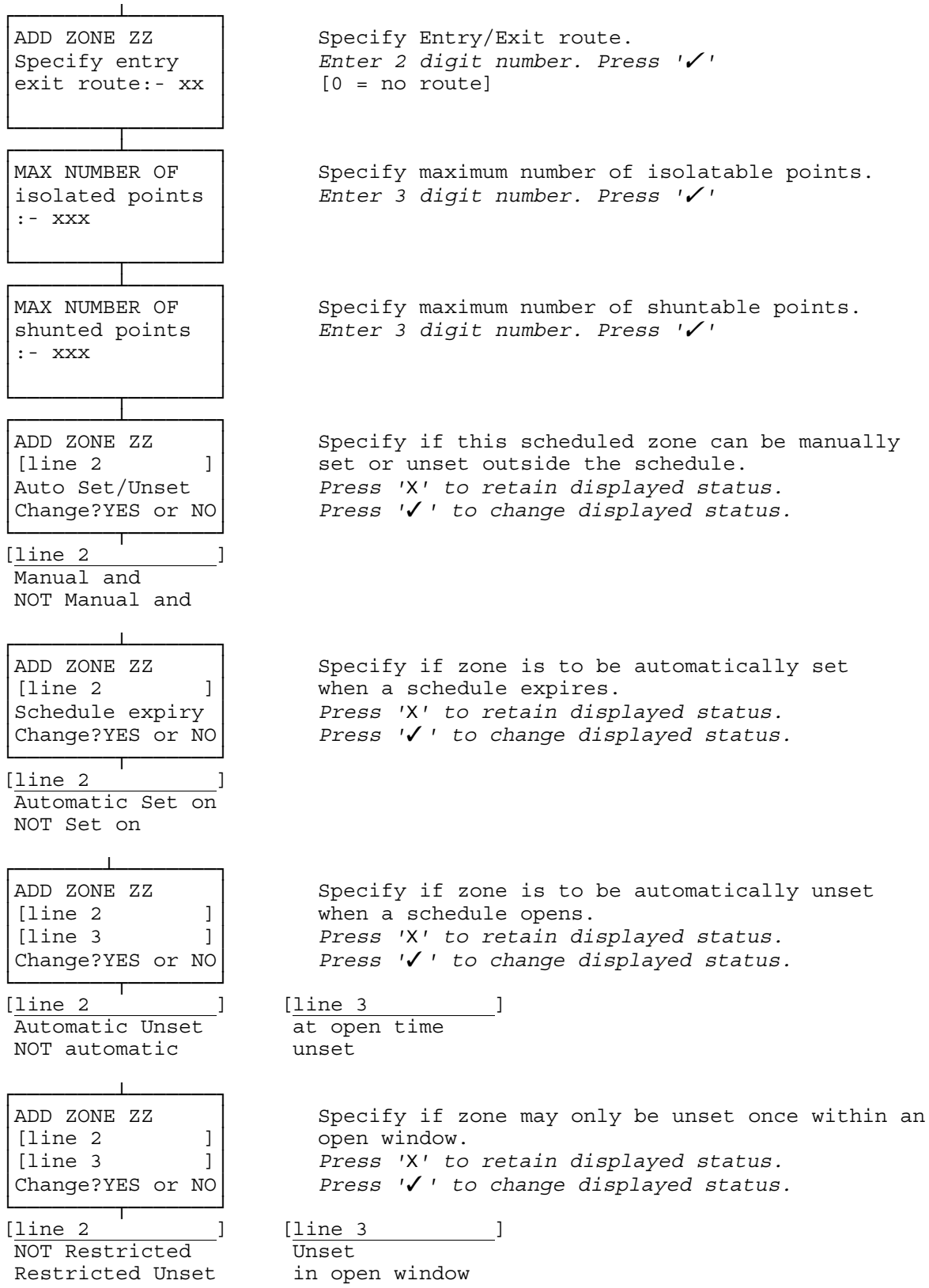
Specify zone descriptor.
Select characters (see **USING THE KEYPAD**)

```
ADD ZONE ZZ
Define type     ♦
[zone type menu]
[zone type menu]
```

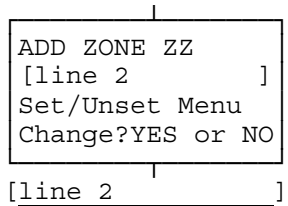
Specify zone type.
Use '▲' or '▼' to scroll required type to line 3. Press '✓'

```
[zone type menu  ]
 . Normal
 . Special secure
 . ATM Bypass
```

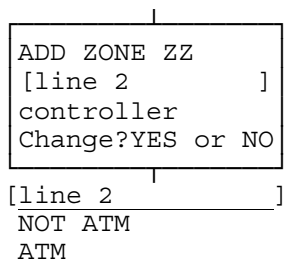
CONFIGURE : ZONE (Add) continued overleaf



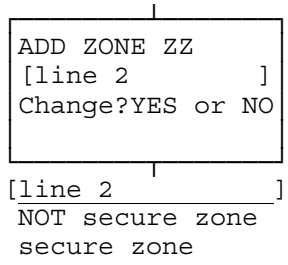
CONFIGURE : ZONE (Add) continued overleaf



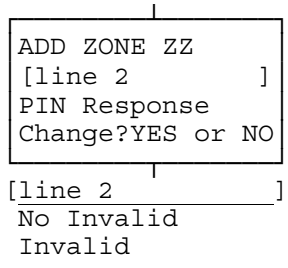
Specify if zone will be displayed in the Set/ Unset menu.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.



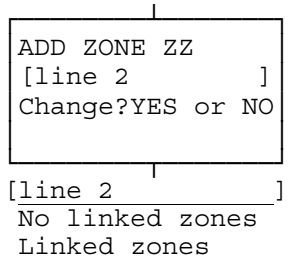
If a Normal zone:
Specify if zone is an ATM control zone.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.



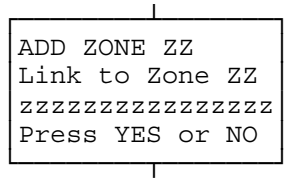
Specify if zone is to be a secure zone.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.



If Keypad Alarm configured:
Specify if zone is to be Invalid PIN unset.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.

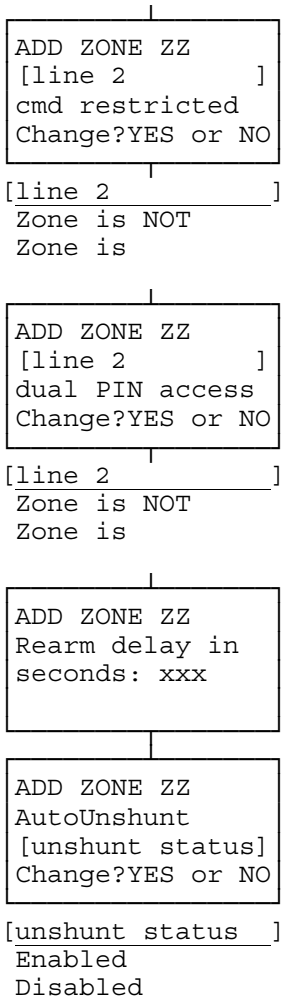


Specify if zone has any "linked for set" zones.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.



If linked zones specified above:
Specify which zones are to be linked to this zone for set.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.

CONFIGURE : ZONE (Add) continued overleaf



Specify whether selected commands are to have no access to this zone.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.

Specify whether zone is to be unset using dual PIN entry.
Press 'X' to retain displayed status.
Press '✓' to change displayed status.

Specify rearm delay time.
Enter 3 digit number (000 to 255). Press '✓'
(000 for rearm disabled)

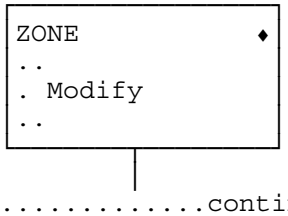
If Autorearm configured:
Specify if autounshunt required
Press 'X' to retain displayed status
Press '✓' to change displayed status

Returns to 'ZONE' menu

NOTES

'Add zone' not in menu	Maximum number of zones already configured.
'invalid number'	The number is out-of-range, or the number has already been assigned. For isolated and shunt limits see **INTRODUCTION**.

ZONE (Modify)



<-- Select 'Modify'

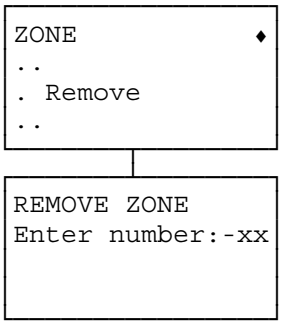
.....continue as for ZONE (Add)

NOTES

'Change zone' not in menu	No zones are currently configured.

CONFIGURE : ZONE continued overleaf

ZONE (Remove)



<-- *Select 'Remove'*

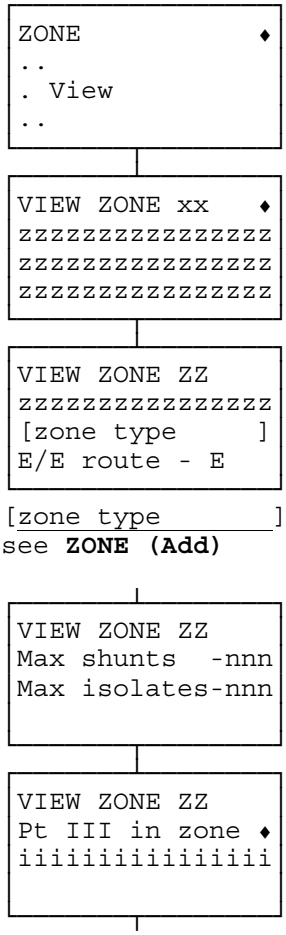
Specify zone number.
Enter 2 digit number. Press '✓'

Returns to 'ZONE' menu if successful

NOTES

'Remove zone' not in menu	No zones already configured.
'invalid number'	The number is out-of-range, or the number has not been assigned.

ZONE (View)



<-- *Select 'View'*

Specify zone number
or scroll to required zone. *Press '✓'*

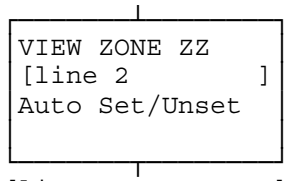
Display of zone descriptor.
Display of zone type.
Display of Entry/Exit Route.
Press '✓' to continue

[zone type]
see **ZONE (Add)**

Display of number of shuntable points.
Display of number of isolatable points.
Press '✓' to continue

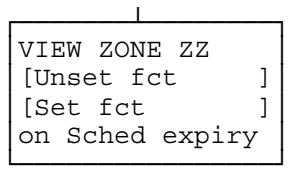
Display of point inputs in zone.
Use '▲' or '▼' to scroll

CONFIGURE : ZONE (View) continued overleaf



Display whether this scheduled zone can be manually set or unset outside the schedule.
Press '✓' to continue

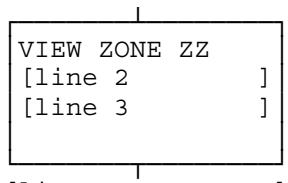
[line 2]
Manual and
NOT Manual and



Display of Unset function.
Display of Set function.
Press '✓' to continue

[Unset fct]
Auto Unset
NOT Auto Unset

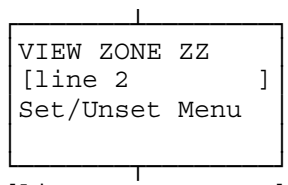
[Set fct]
Automatic Set
NOT Set



Display of whether zone may only be unset once within an open window.
Press '✓' to continue

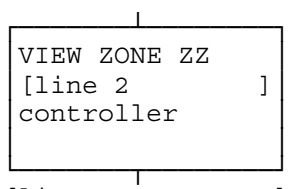
[line 2]
NOT Restricted
Restricted Unset

[line 3]
Unset
in open window



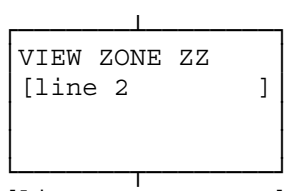
Display of whether zone will be displayed in the Set/Unset menu.
Press '✓' to continue

[line 2]
Show Zone on
Hide Zone on



Only displayed for a Normal zone.
Display of whether zone is an ATM control zone.
Press '✓' to continue

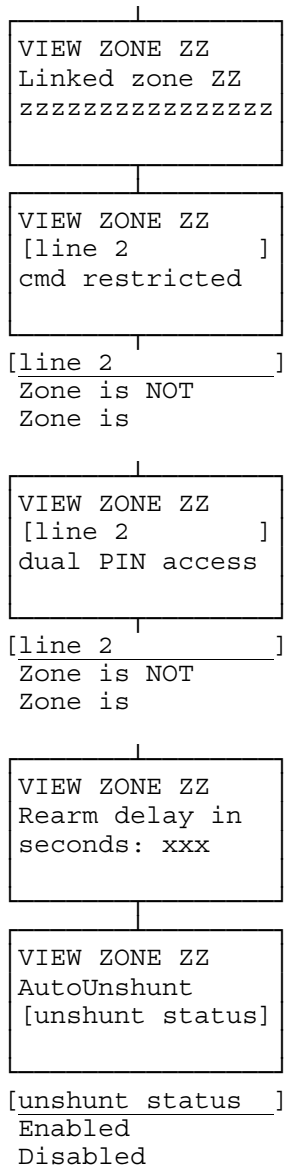
[line 2]
NOT ATM
ATM



Display whether zone is a secure zone.
Press '✓' to continue

[line 2]
NOT secure zone
secure zone

CONFIGURE : ZONE (View) continued overleaf



Only displayed if slave zones are defined:
Display zones linked to this zone for set.
Use '▲' or '▼' to scroll
Press '✓' to continue

Display whether selected commands are to have no access to this zone.
Press '✓' to continue

Display whether zone is to be unset by dual PIN access.
Press '✓' to continue

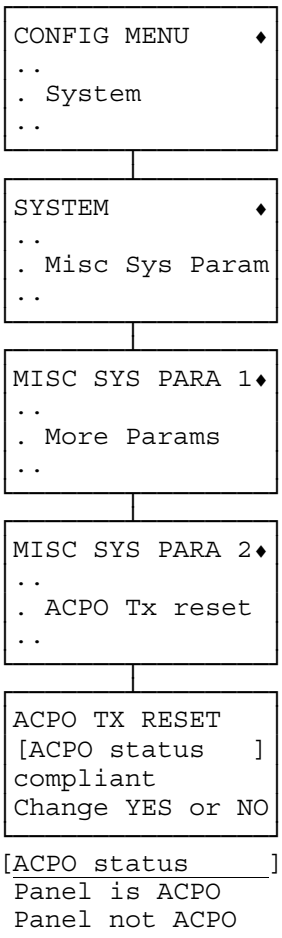
Display of rearm delay.
Press '✓' to continue

If Autorearm configured:
Display whether autounshunt defined
Press '✓' to continue

Returns to 'ZONE' menu

DEFINE : ACPO MODE

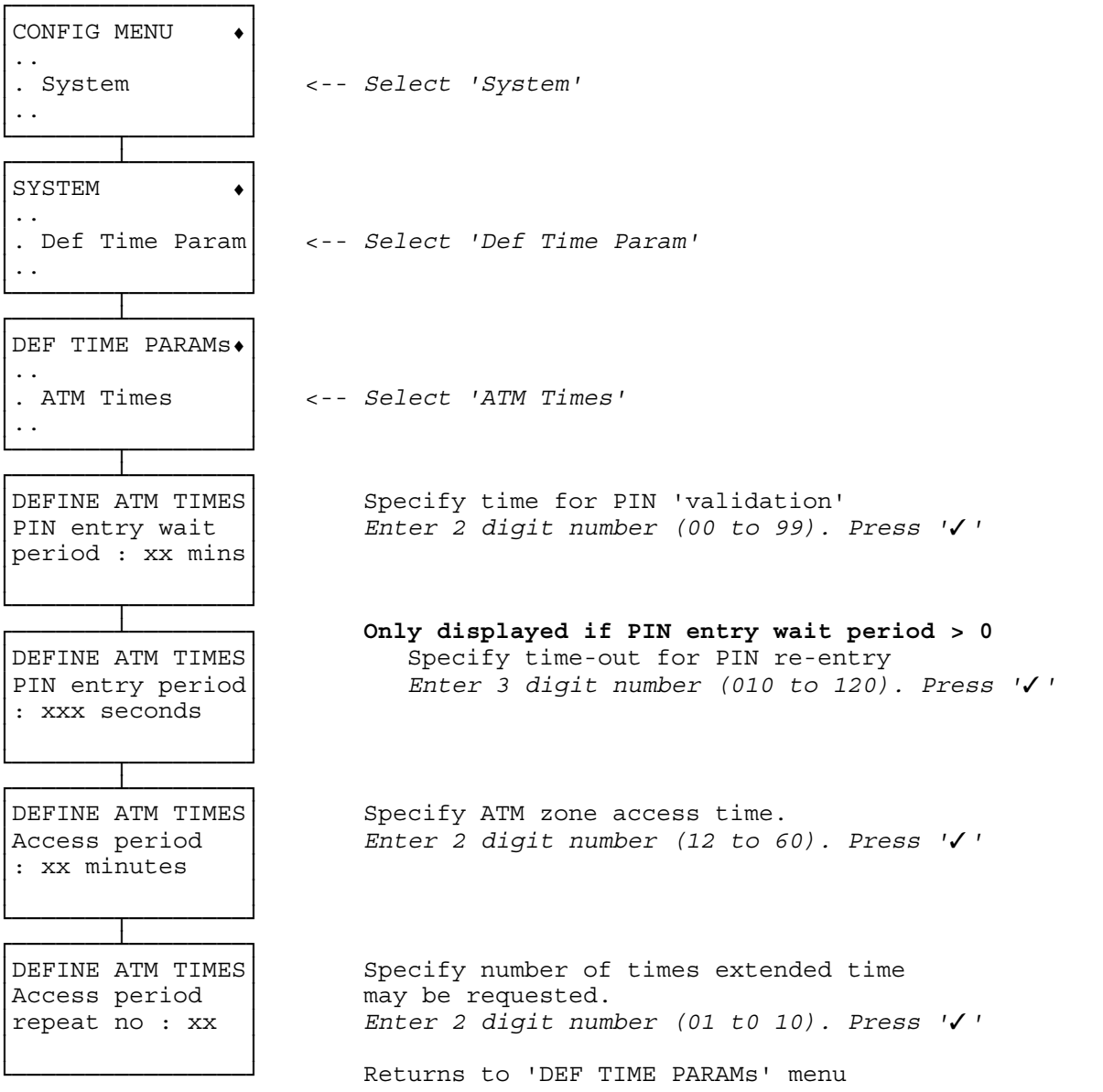
This facility is used to clear a remote communications activation if the user logs-on and unsets those zones in alarm. The Central Station will, for ACPO requirements, ignore alarms if they are cleared within x minutes.



The ATM bypass facility allows a zone to be temporarily unset to allow the replenishment of an ATM. Each zone which protects such an ATM must be configured as an ATM bypass zone, see **CONFIGURE : ZONES**. The ATM bypass is controlled either from a dedicated keypad which is only in the ATM zone, or from a non-dedicated keypad that has access to one or more ATM zones when any ATM control zone is set.

At a dedicated ATM keypad the user will enter a PIN. If the PIN **entry wait period** is non-zero, the PIN has to be re-entered after waiting for the specified time. After replenishing the ATM, the PIN is entered and "Bypass Remove" selected. If the bypass is not removed within the **access period**, the bypass will automatically be removed (if the user is still present an alarm will be cause). If the user runs out of time the bypass can be renewed up to **access period repeat** times by re-entering the PIN and selecting "Extend Bypass".

At a non-dedicated keypad with ATM Bypass capability, only the **access period** and **access period repeat** fields are used.



NOTES

'invalid number' The selected number is out-of-range.

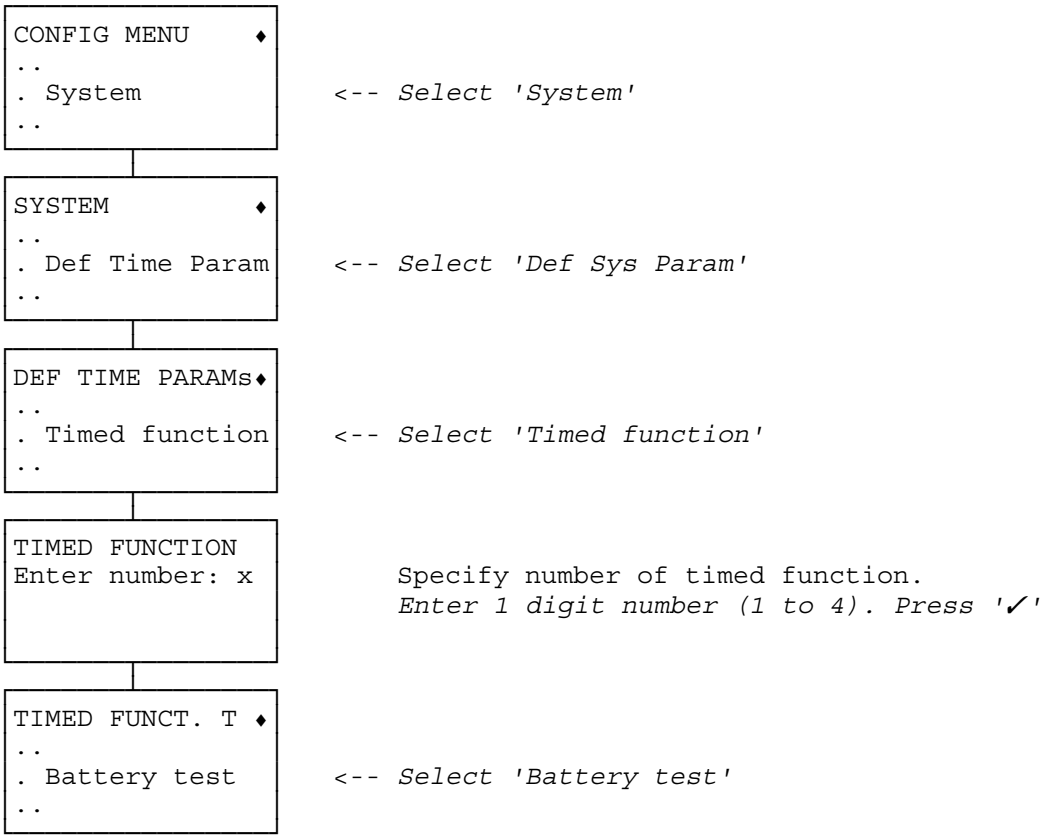
DEFINE : AUTO. BATTERY TEST

This option allows the configuration of an automatic battery test which is to occur at configurable times. The test is then performed automatically at these times regardless of the set/unset status of the system. If the test fails it will not be possible to set the system. A configurable remote comms event will be reported. Any zones which are unset, unsetting or setting will be put into prewarning.

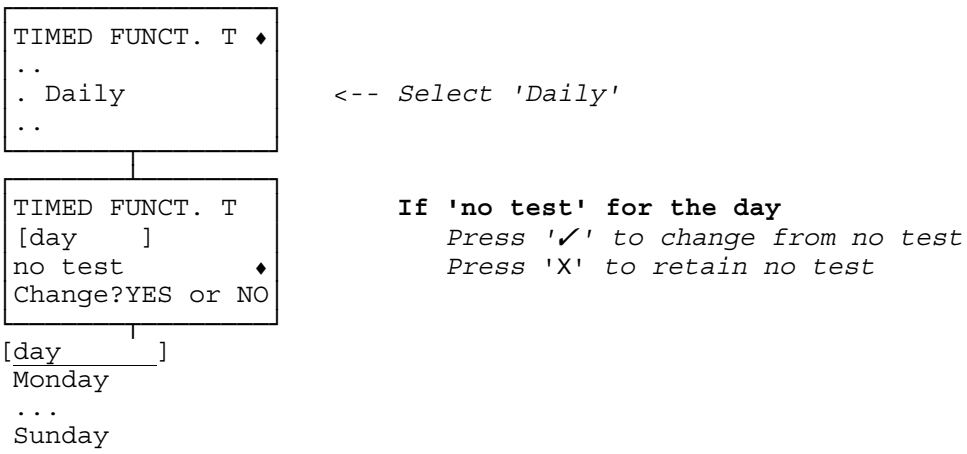
The test times can be configured in one of two ways:

Daily The test will run at the configured time on the specified day.

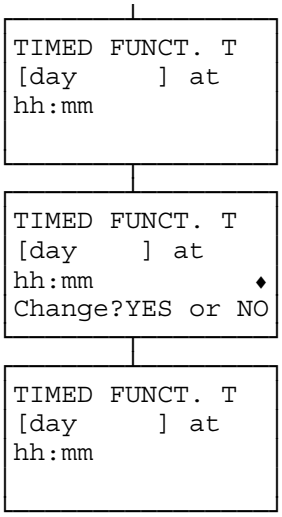
Periodically The test will run on the specified day at times separated by the configured period with the first test at the specified period after 00:00 (midnight). For example, if the configured period is 07:00 the test will run at 07.00, 14.00, and 21.00.



AUTO. BATTERY TEST (Daily)



DEFINE : AUTO. BATTERY TEST continued overleaf



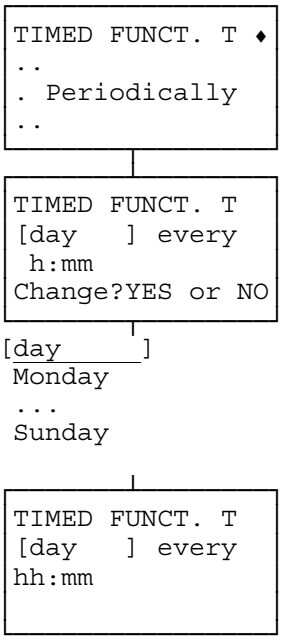
If change requested from 'no test':
Specify days and times for test
Press '▲' to display hours and minutes.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min). Press '✓'

If displayed time for the day
Press '✓' to change from no test
Press 'X' to retain no test

If change requested from displayed time:
Specify days and times for test
Press '▲' if no test required. Press '✓'
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min). Press '✓'

Returns to 'DEF TIME PARAMs' menu

AUTO. BATTERY TEST (Periodically)



<-- *Select 'Periodically'*

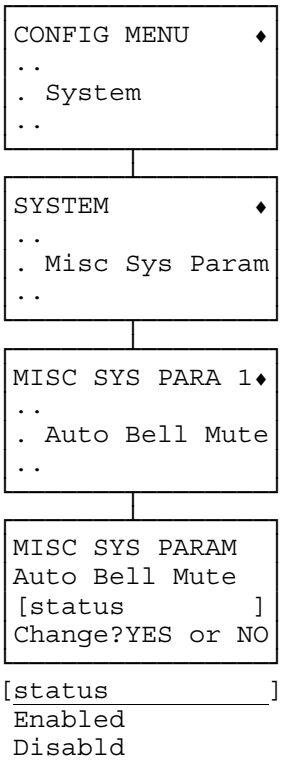
Specify days and period interval for test
Press '✓' to change the displayed period
Press 'X' to retain the displayed period
Repeat for all days

If change requested:
Specify days and times for test
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min). Press '✓'

Returns to 'DEF TIME PARAMs' menu

DEFINE : AUTO. BELL MUTE

This facility enables a user to mute the system bells when logging-on.



<-- Select 'System'

<-- Select 'Misc Sys Param'

<-- Select 'Auto Bell Mute'

Specify requirement for Auto Bell Mute.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status

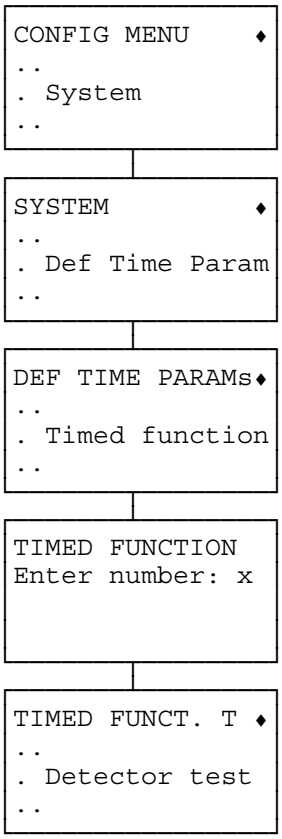
Returns to 'MISC SYS PARAMS' menu

Those detectors which have a self test capability can be automatically tested. This option specifies time(s) for the test and the zone(s) within which it is to be performed.

The test times can be configured in one of two ways:

Daily The test will run at the configured time on the specified day.

Periodically The test will run on the specified day at times separated by the configured period with the first test at the specified period after 00:00 (midnight). For example, if the configured period is 07:00 the test will run at 07.00, 14.00, and 21.00.



<-- *Select 'System'*

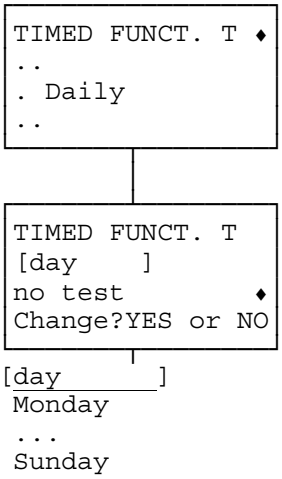
<-- *Select 'Def Sys Param'*

<-- *Select 'Timed function'*

Specify number of timed function.
Enter 1 digit number (1 to 4). Press '✓'

<-- *Select 'Detector test'*

AUTO. DETECTOR TEST (Daily)

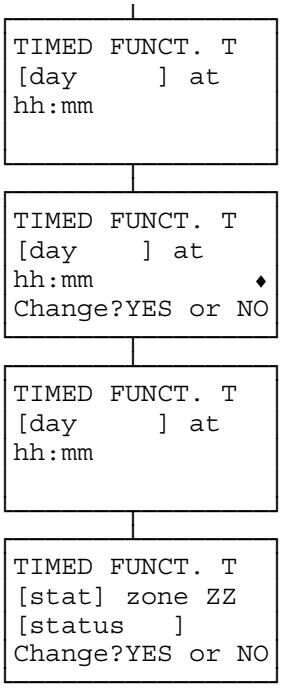


<-- *Select 'Daily'*

Specify days and times for test

If 'no test' for the day
Press '✓' to change from no test
Press 'X' to retain no test

DEFINE : AUTO. DETECTOR TEST (Add) continued overleaf



If change requested from 'no test':
Specify days and times for test
Press '▲' to display hours and minutes.
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min). Press '✓'

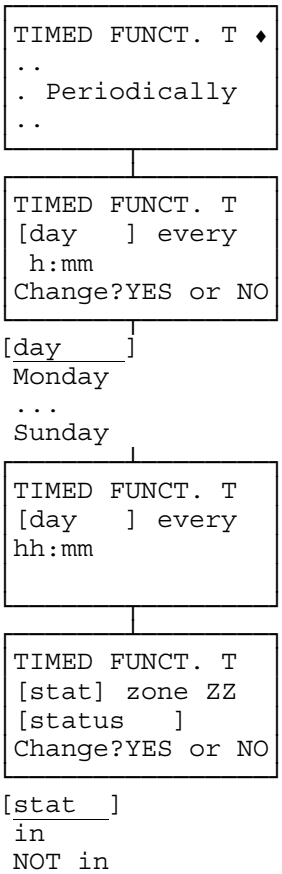
If displayed time for the day
Press '✓' to change from no test
Press 'X' to retain no test

If change requested from displayed time:
Specify days and times for test
Press '▲' if no test required. Press '✓'
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min). Press '✓'

Specify zones where the test will run.
Press 'X' to retain displayed status
Press '✓' to change displayed status

Returns to 'DEF TIME PARAMs' menu

AUTO. DETECTOR TEST (Periodically)



<-- *Select 'Periodically'*

Specify days and period interval for test
Press '✓' to change the displayed period
Press 'X' to retain the displayed period
Repeat for all days

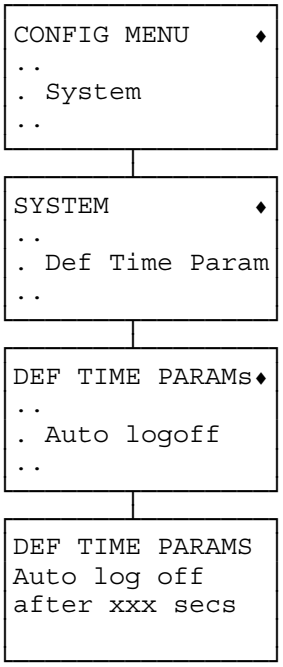
If change requested:
Specify days and times for test
Enter 2 digit number (hour). Press '✓'
Enter 2 digit number (min). Press '✓'

Specify zones where the test will run.
Press 'X' to retain displayed status
Press '✓' to change displayed status

Returns to 'DEF TIME PARAMs' menu

DEFINE : AUTO. LOG-OFF

Define the time after which, if no keys have been used on a keypad, the user is automatically logged-off and any incomplete operation aborted.



<-- *Select 'System'*

<-- *Select 'Def Time Param'*

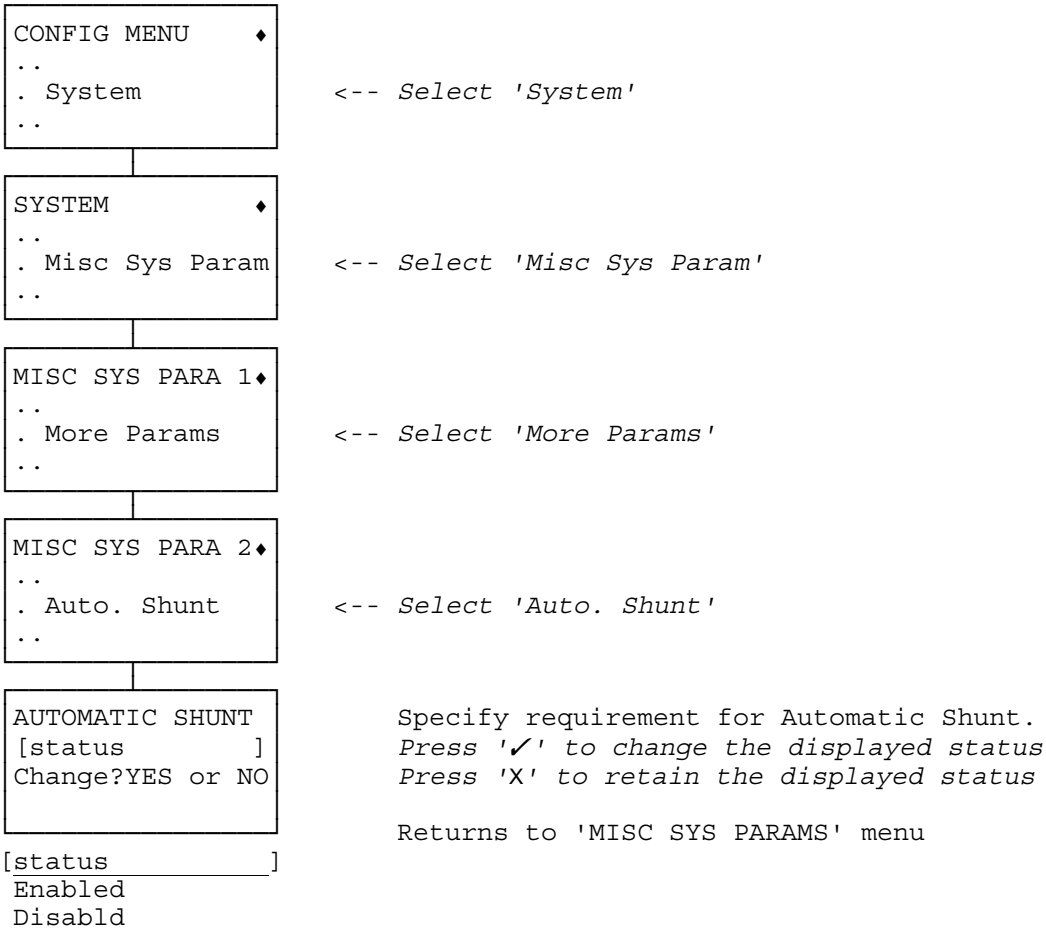
<-- *Select 'Auto logoff'*

Specify automatic log-off period.
Enter 3 digit number (secs). Press '✓'

Returns to 'DEF TIME PARAMs' menu

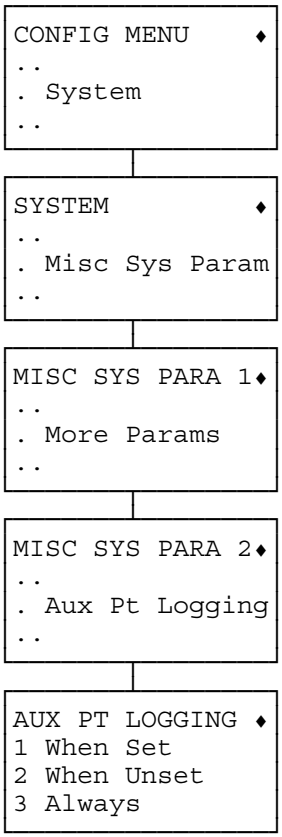
DEFINE : AUTOMATIC SHUNT

This facility will present the user with the 'Clear Alarms' command following log-on if the users area is in an alarm condition. Three attempts at 'Clear Alarms' may then be made, whereupon, if point(s) are still off-normal shunts will be automatically applied. The shunts are conditional, viz. the points are configured as shuntable; the shunt total is within limit; the user has zone access for the applicable zones.



DEFINE : AUXILIARY POINT LOGGING

Defines the logging of Auxiliary Point activation to be when the system is set, when unset or for when both set and unset. Logging can be further controlled on a per-point basis (see **POINT INPUT : ADD**). Log entries are limited to once a minute.



<-- Select 'System'

<-- Select 'Misc Sys Param'

<-- Select 'More Params'

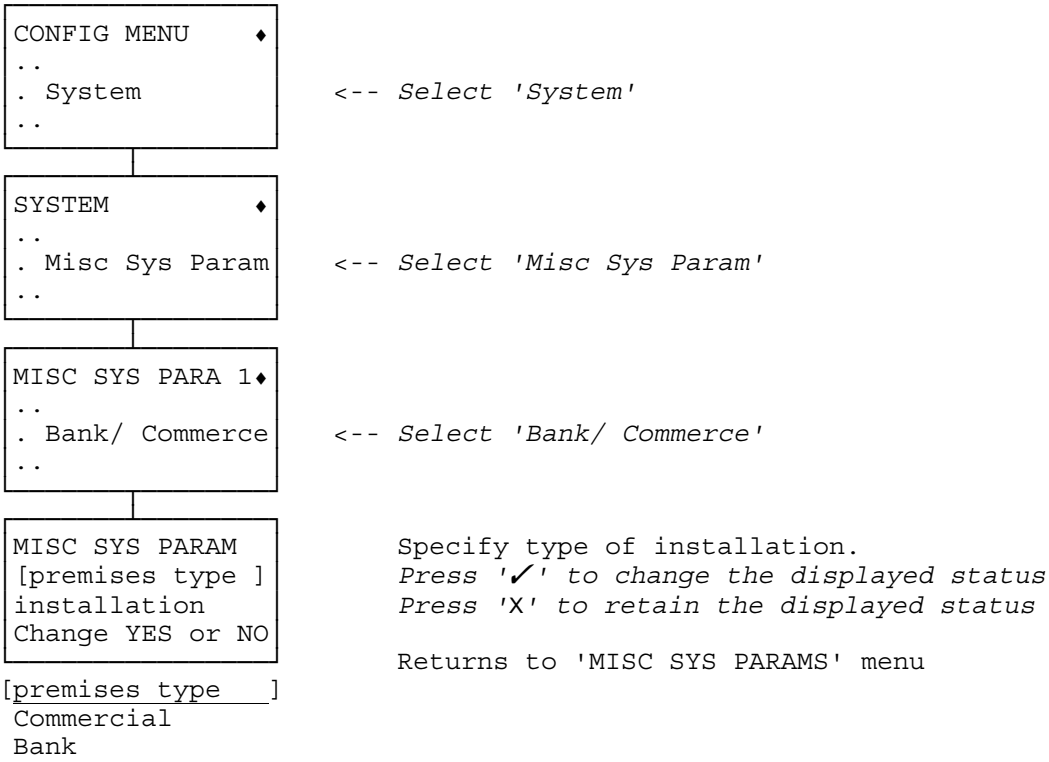
<-- Select 'Aux Pt Logging'

Specify system-wide the behaviour of auxiliary point logging.

Returns to the 'MISC SYS PARAMS' menu.

DEFINE : BANK/COMMERCIAL

There are differences in alarm clearing in the bank and commercial sectors. This option allows the system to be tailored for use in these two sectors. If the system is configured as a **commercial system**, performing the Clear Alarms function also unsets the affected zones. If the system is configured as a **bank system**, any prewarning conditions will automatically be cleared when the master logs-on, and all clears and mutes apply to the zones to which the user has access irrespective of the keypad access.



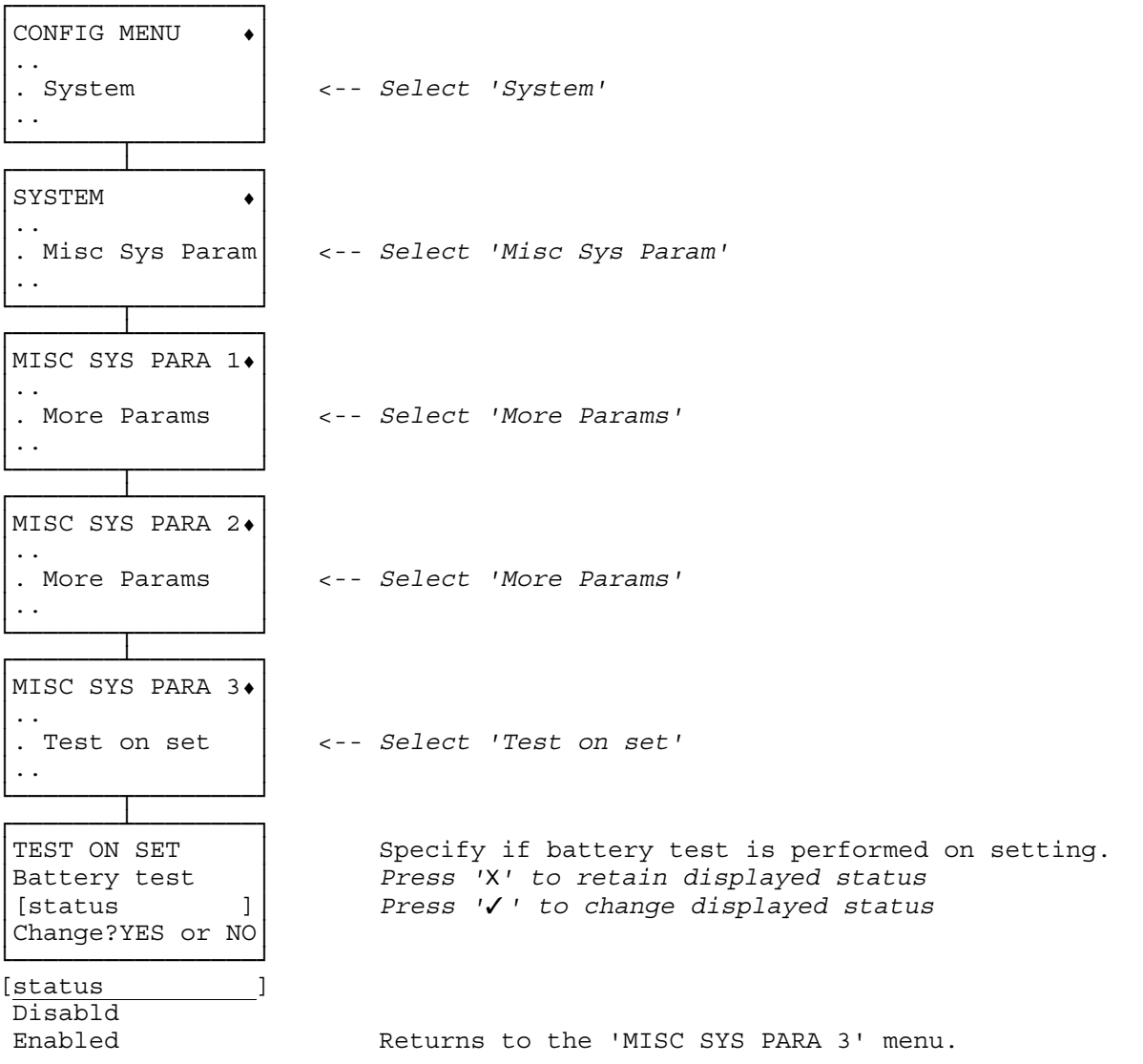
DEFINE : BATTERY TEST ON SET

This facility enables a battery test to be performed on each occassion that the system is set.

When 'battery test on set' is configured a test will be performed whenever a user performs a set at a keypad. This includes full and partial set, extended and temporary set, but excludes the resecuring of ATM bypass zones. The test will also be performed if a remote set is performed. If the test fails then the user setting or remote setting is prohibited. The test will be performed when an automatic set on schedule expiry occurs. In this case a failed test will not prevent the setting.

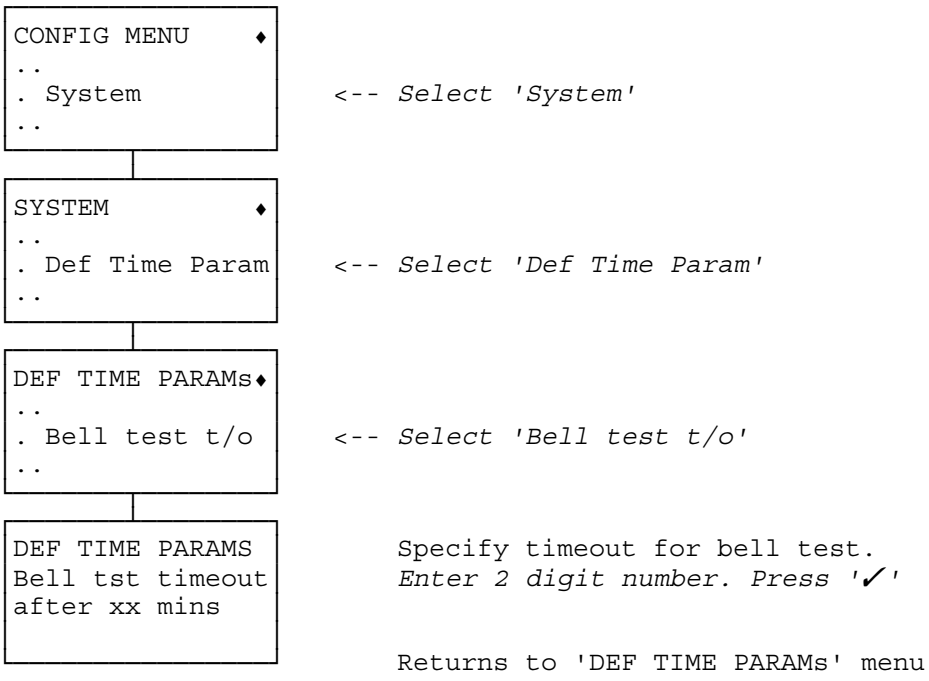
The process of battery testing causes a delay of approx. 25 seconds. Battery failure is declared when the measured battery voltage is below 11.7V.

A remote comms event can be configured to signal battery fail on set.



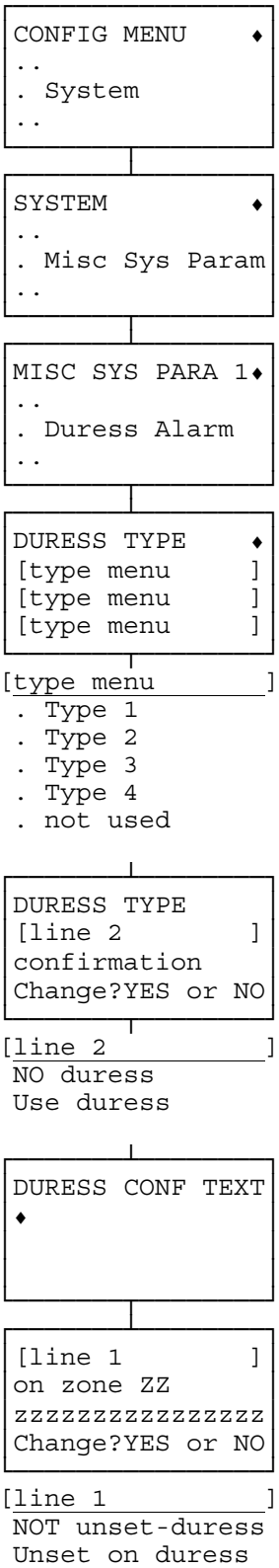
DEFINE : BELL TEST TIMEOUT

Configure time-out for Bell Test. This determines when the Bell Test will terminate if the user fails to manually terminate the test.



DEFINE : DURESS ALARM

Duress is the means by which a user can raise an alarm through the keypad when he logs-on. Therefore, if he is forced to provide entry for unauthorized personnel, he can raise an alarm without causing suspicion. The duress type may be configured as shown below. In addition, the user may be required to confirm the duress alarm by pressing '✓' to the configured duress confirmation prompt. The meaning of each duress type is described elsewhere and is not given here for security reasons.



<- *Select 'System'*

<- *Select 'Misc Sys Param'*

<- *Select 'Duress Alarm'*

Specify duress type
Select required option. Press '✓'.

Only displayed if a duress type is used:
Specify whether duress confirmation is required.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status

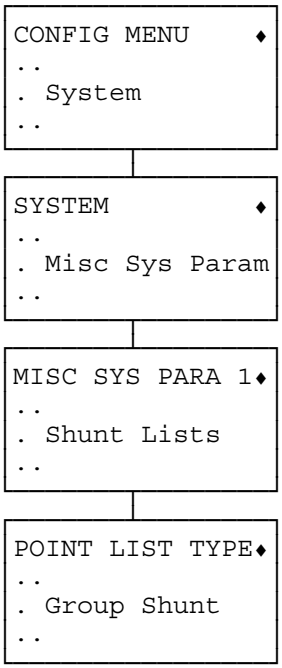
Only displayed if duress confirmation is used:
Specify prompt for duress confirmation.
Select characters (see **USING THE KEYPAD**)

Only displayed if a duress type is used:
Specify whether zone is to be unset on confirmed duress.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status

Returns to 'MISC SYS PARAM' menu.

DEFINE : GROUP SHUNT

A Group Shunt allows a group of points to be shunted or unshunted in a single operation. If any of the points in the list fail to shunt/unshunt, then none of the points in the list will be shunted/unshunted. Such failures can be caused if the user has no access to the zone in which a point lies, or if the operation would cause an alarm.



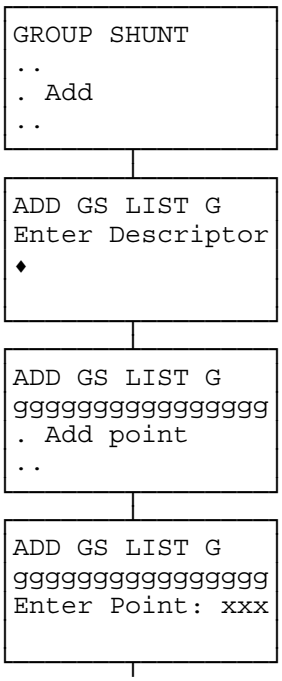
<-- Select 'System'

<-- Select 'Misc Sys Param'

<-- Select 'Shunt Lists'

<-- Select 'Group shunt'

GROUP SHUNT (Add)



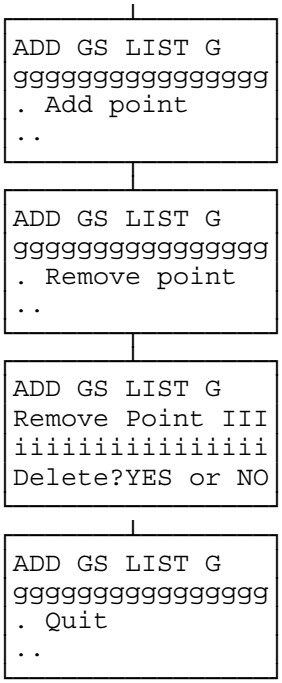
<-- Select 'Add'

Specify descriptor.
Select characters (see **USING THE KEYPAD**)

<-- Select 'Add point'

Specify point number.
Enter 3 digit number. Press '✓'

DEFINE : GROUP SHUNT (Add) continued overleaf



If Group Shunt to include more than one point:

<-- *Select 'Add point'*
Repeat process as above

If an added point requires removal:

<-- *Select 'Remove point'*

Specify point number(s)
Press '✓' *to delete*
Press 'X' *to retain*
Press 'C' *to quit*

If all required points added:

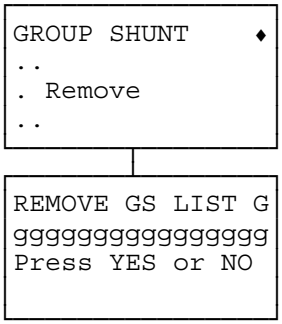
<-- *Select 'Quit'*

Returns to menu

NOTES

'invalid number'	Number selected is out-of-range.
'invalid point'	The point number selected is not configured or the number has already been selected.

GROUP SHUNT (Remove)

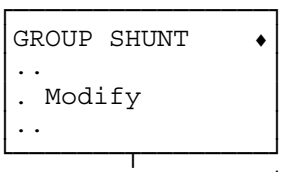


<-- *Select 'Remove'*

Press '✓' to remove list
Press 'X' to retain list

Returns to 'POINT LIST TYPE' menu if successful

GROUP SHUNT (Modify)

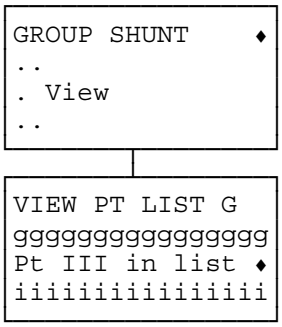


<-- *Select 'Modify'*

.....continue as for GROUP SHUNT (Add)

DEFINE : GROUP SHUNT continued overleaf

GROUP SHUNT (View)



<-- *Select 'View'*

Display of points in Group Shunt .
Use '▲' or '▼' to scroll point list.
Press 'C' to continue

Returns to 'GROUP SHUNT' menu

A High Security Shunt allows a group of points to be shunted with the cooperation of two users. The first user must enable the shunt for a number of days. The second user can then turn the shunt on and off until either the first user disables the shunt or the time specified by the first user expires.

```
CONFIG MENU     ♦
..
. System
..
```
<-- *Select 'System'*

```
MODIFY SYSTEM   ♦
..
. Misc Sys Param
..
```
<-- *Select 'Misc Sys Param'*

```
MISC SYS PARA 1♦
..
. Shunt Lists
..
```
<-- *Select 'Shunt Lists'*

```
POINT LIST TYPE♦
..
. High Security
..
```
<-- *Select 'High Security'*

HS SHUNT (Add)

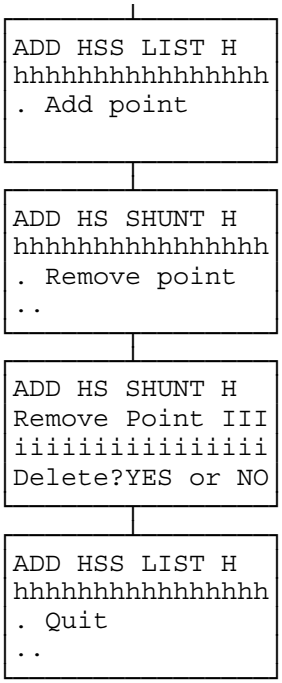
```
HS SHUNT
..
. Add
..
```
<-- *Select 'Add'*

```
ADD HSS LIST H
Enter descriptor
♦
```
Specify descriptor.
Select characters (see **USING THE KEYPAD**)

```
ADD HSS LIST H
hhhhhhhhhhhhhhhh
. Add point
```
<-- *Select 'Add point'*

```
ADD HSS LIST H
hhhhhhhhhhhhhhhh
Enter Point: xxx
```
Specify point number.
Enter 3 digit number. Press '✓'

DEFINE : HS SHUNT (Add) continued overleaf



If HS Shunt to include more than one point:

<-- *Select 'Add point'*
Repeat process as above

If an added point requires removal:

<-- *Select 'Remove point'*

Specify point number(s)
Press '✓' to delete
Press 'X' *to retain*
Press 'C' *to quit*

If all required points added:

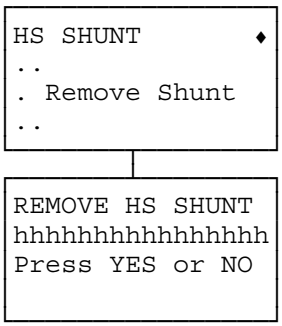
<-- *Select 'Quit'*

Returns to menu

NOTES

'invalid number'	Number selected is out-of-range.
'invalid point'	The point number selected is not configured or the number has already been selected.

HS SHUNT (Remove)

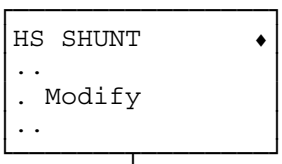


<-- *Select 'Remove Shunt'*

Specify shunt number.
Press '✓' to remove shunt
Press 'X' *to retain shunt*

Returns to 'HS Shunt' menu if successful

HS SHUNT (Modify)

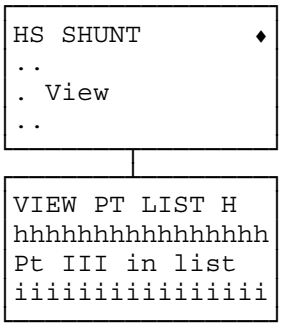


<-- *Select 'Modify'*

..... continue as for HS SHUNT (Add)

DEFINE : HS SHUNT continued overleaf

HS SHUNT (View)



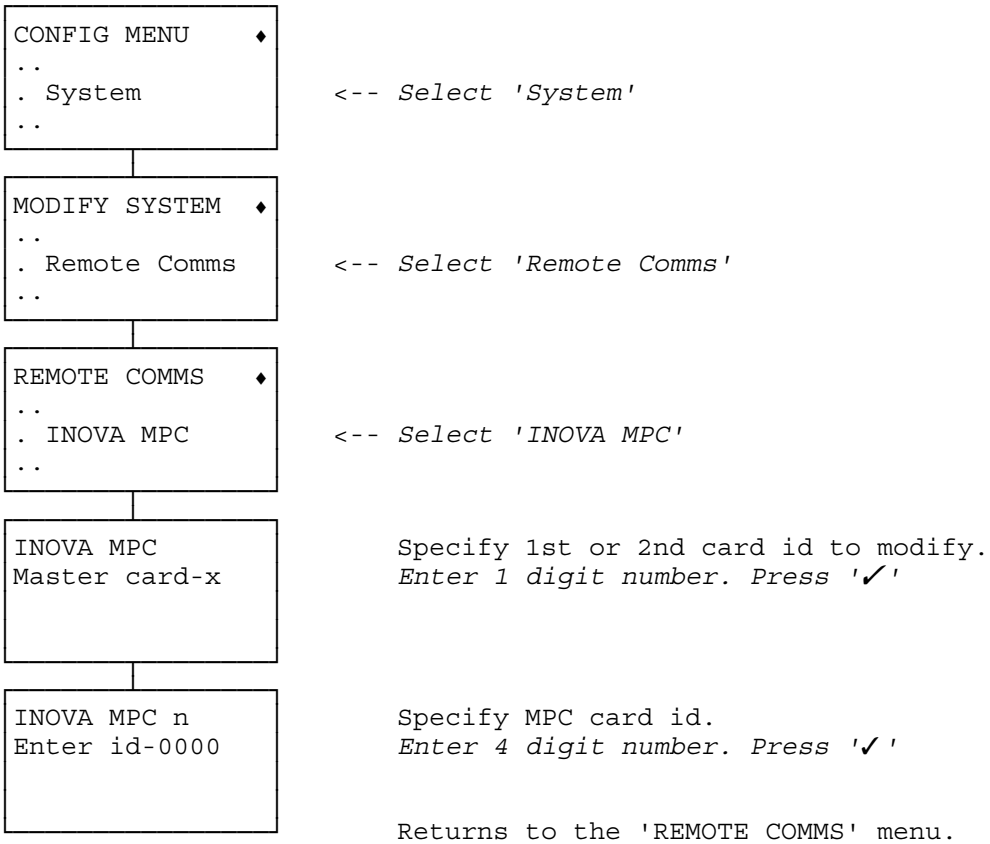
<-- *Select 'View'*

Display of points in HS Shunt.
Use '▲' *or* '▼' *to scroll point list.*
Press 'C' *to continue*

Returns to 'HS SHUNT' menu

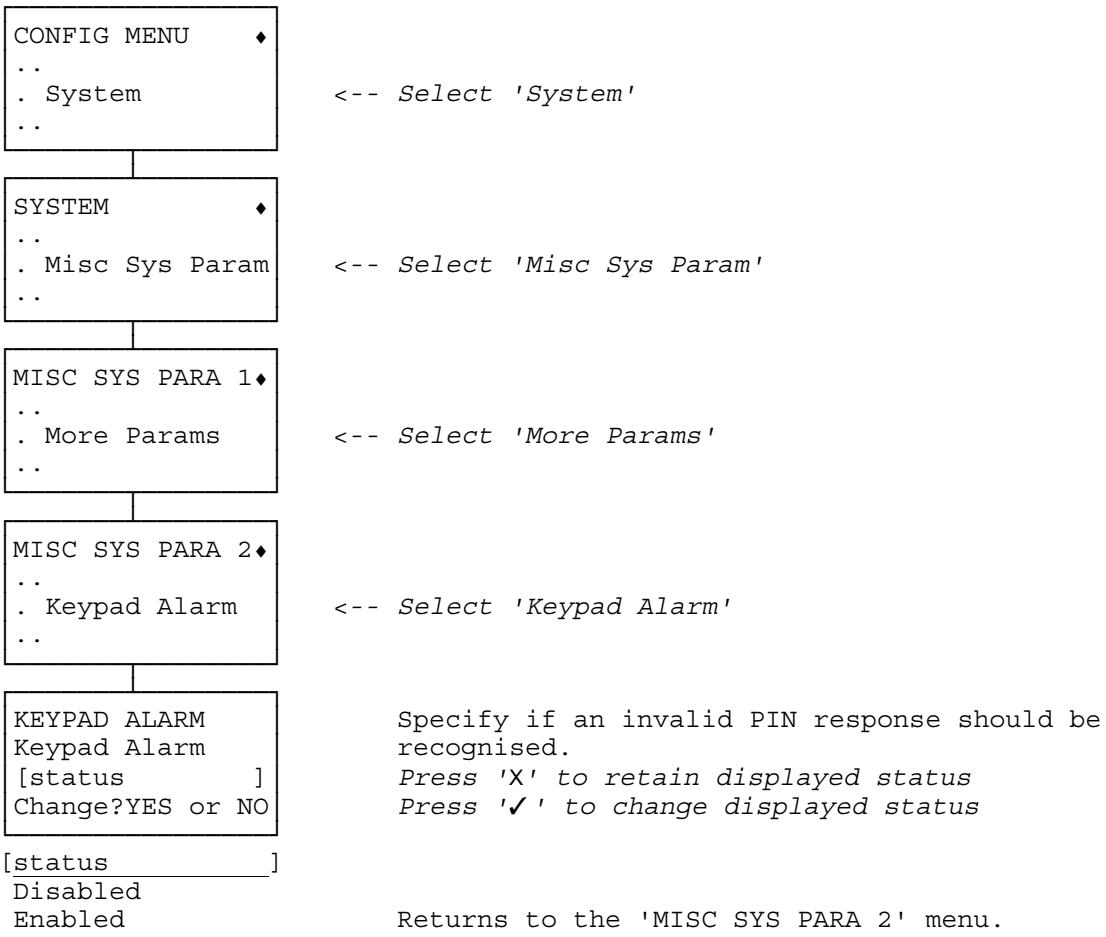
DEFINE : INOVA MPC CARD IDs

The INOVA MPC card IDs enable the Windsor 700 to communicate with an INOVA PrintServer. The INOVA PrintServer is supplied with two Master Programming Cards (MPCs), each of which has an embossed 4 digit number. These two numbers are configured on the Windsor 700 using this option.



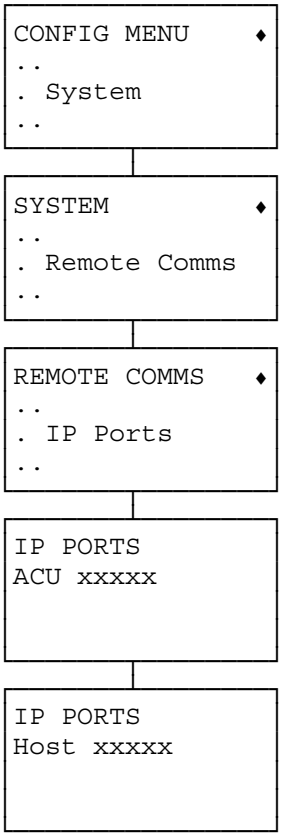
DEFINE : INVALID PIN RESPONSE

The Invalid PIN Response allows the users to unset a specified zone(s) regardless of schedule restrictions by entering four consecutive invalid PINs. You should further specify which zones can be unset using this method (see **ZONES : ADD**).



DEFINE : IP PORTS

When the Windsor 700 is to be connected to an IP network the 'well-known ports' require specification. Ports are used in the TCP to name the ends of logical connections which carry long term conversations. The 'well-known port' is used by the server process as the contact port. The two numbers required, for the ACU (Windsor 700) and the host (ie Guardstation) are configurable using this option.



<-- *Select 'System'*

<-- *Select 'Remote Comms'*

<-- *Select 'IP Ports'*

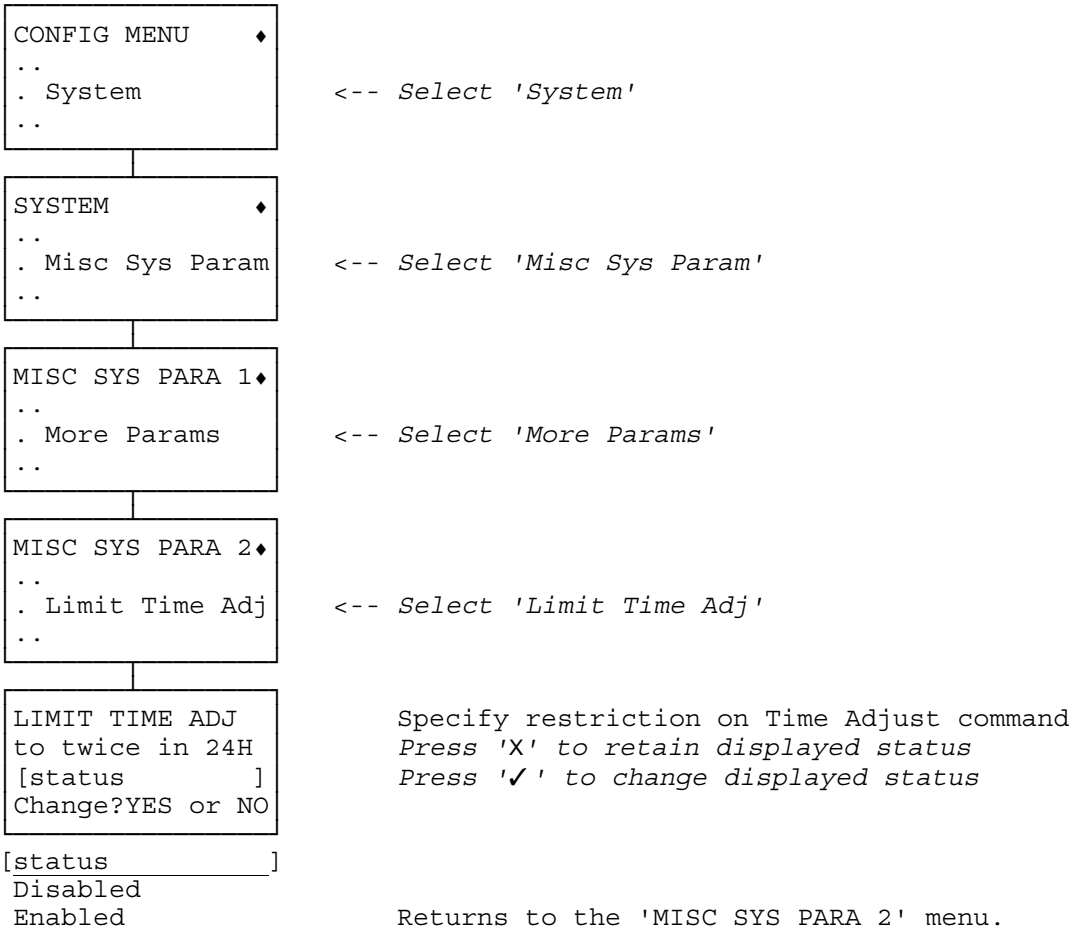
Specify ACU (Windsor 700) Port number.
Enter 5 digit number. Press '✓'

Specify Host Port number.
Enter 5 digit number. Press '✓'

Returns to the 'REMOTE COMMS' menu.

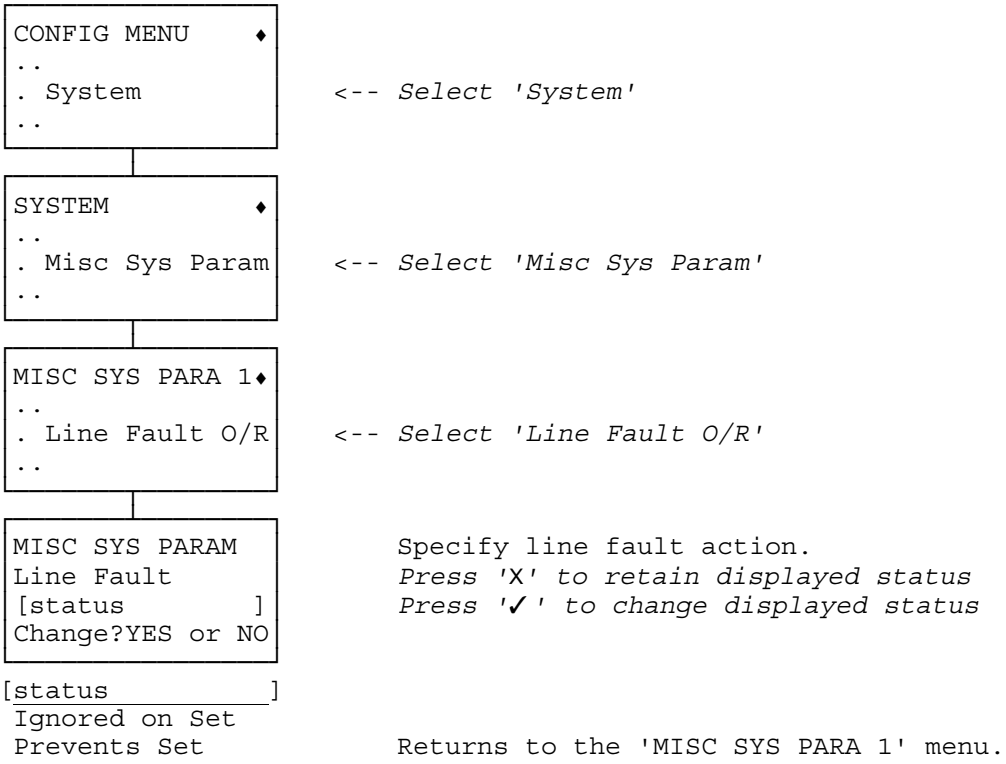
DEFINE : LIMIT TIME ADJUST

This facility allows the limit on the use of the 'Time Adjust' command to be changed from the default which is 1 adjustment every 28 days to a limit of 2 adjustments in 24 hours.



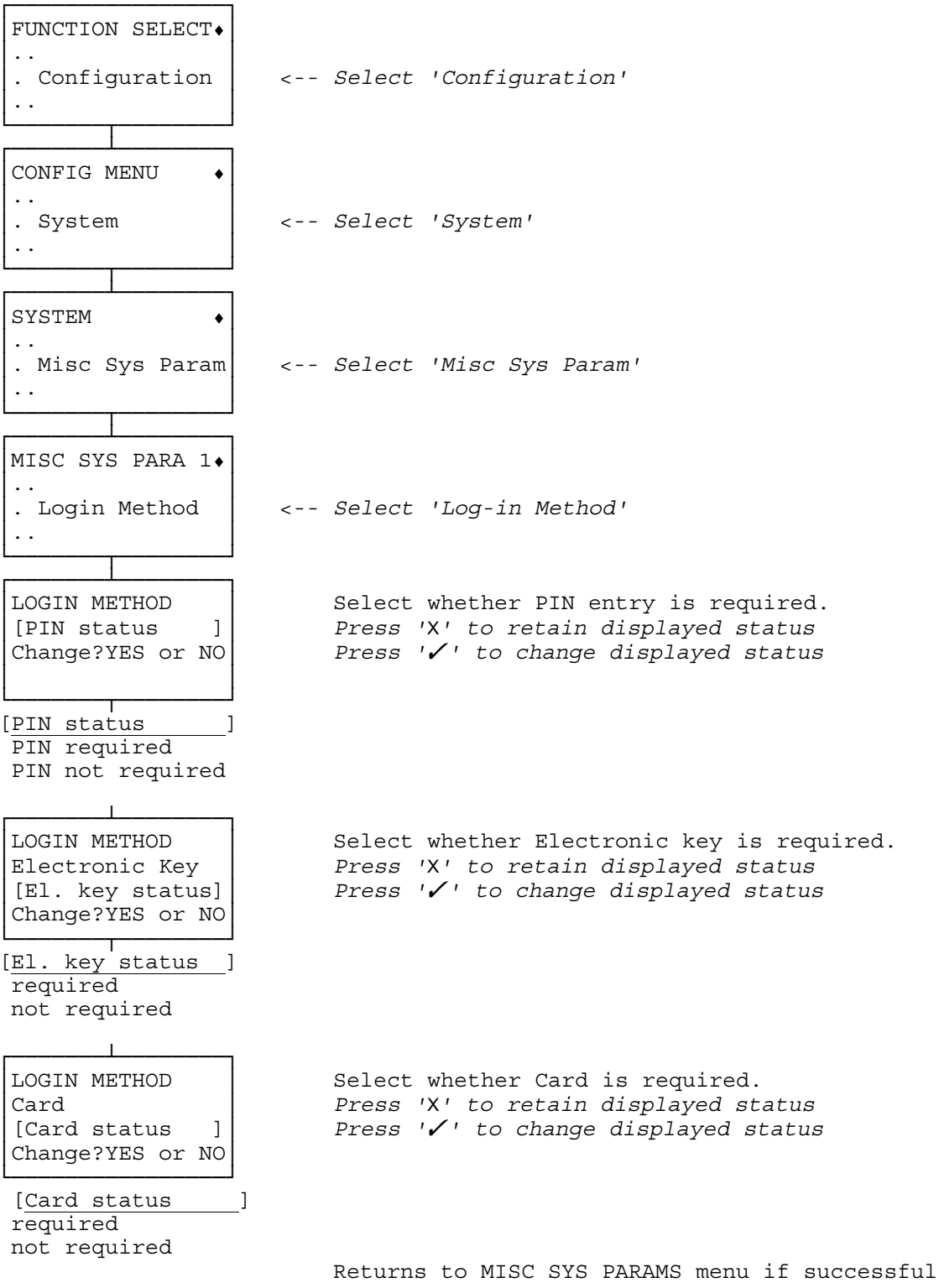
DEFINE : LINE FAULT OVERRIDE

This facility configures whether the Line Fault status of the communicator will affect the setting of the system.
The effect of Line Fault is stored by this method in the configuration data and will therefore not be lost on power interruption. An alternative method of line fault override which does not affect the configuration is available - see SET:LINE FAULT OVERRIDE.



DEFINE : LOG-IN METHOD

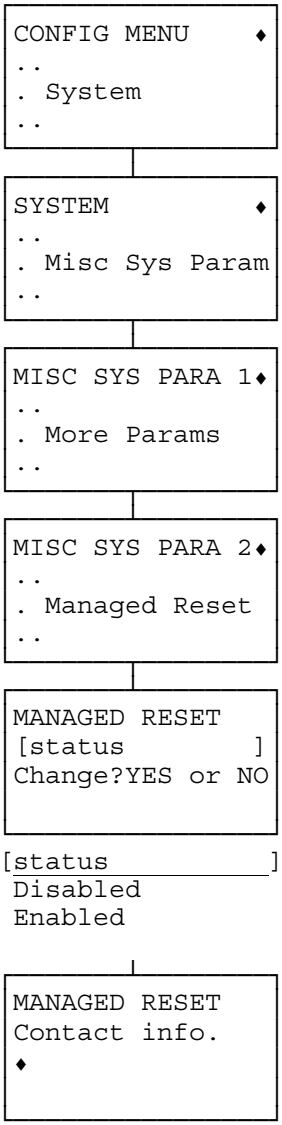
This facility is used to determine the log-in method to be used on the system. When a method is specified as 'required' this means that the method is essential for a user to log-in. For example if the system has 'PIN required' then users must use a PIN, or if the system has 'PIN required' and 'Card required' then users must use a Card and also a PIN in order to log-in.
When a card is specified as required but the keypad is not configured to have a card reader then the PIN will be used to log-in at that keypad.



DEFINE : MANAGED RESET

This facility is used in a system where full user reset is disabled. By configuring Managed Reset the user may reset alarms following confirmation from the Central Station.

When the user logs on following an alarm the alarm log is presented followed by the 'Managed Reset' display. This presents the user with a contact number for the Central Station and a code number. The user should contact the Central Station and quote the code number. In response the user will be given a 5-digit PIN code and should log-on with this PIN. This will reset the system.



<-- Select 'System'

<-- Select 'Misc Sys Param'

<-- Select 'More Params'

<-- Select 'Managed Reset'

Specify if Managed Reset facility should be available.
Press 'X' to retain displayed status
Press '✓' to change displayed status

If Managed Reset facility enabled:

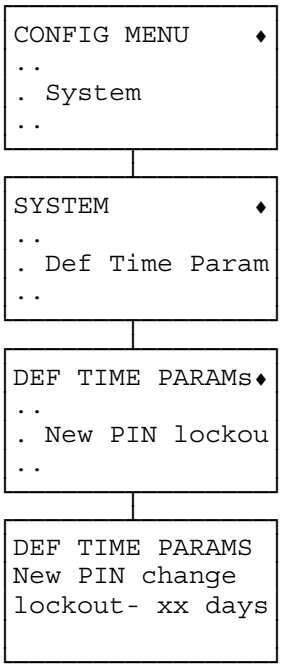
Select up to 16 characters (see **USING THE KEYPAD**). Numbers may be entered directly.

Configurable text may be used to store, for example, a telephone number to contact.

Returns to 'MISC SYS PARAMS' menu

DEFINE : NEW PIN LOCKOUT

Once a PIN has been changed, it may not be changed again for a period of time known as the **new PIN lockout period**. This facility is provided to prevent PIN changing being used as a means to discover other PINs.



<-- *Select 'System'*

<-- *Select 'Def Time Param'*

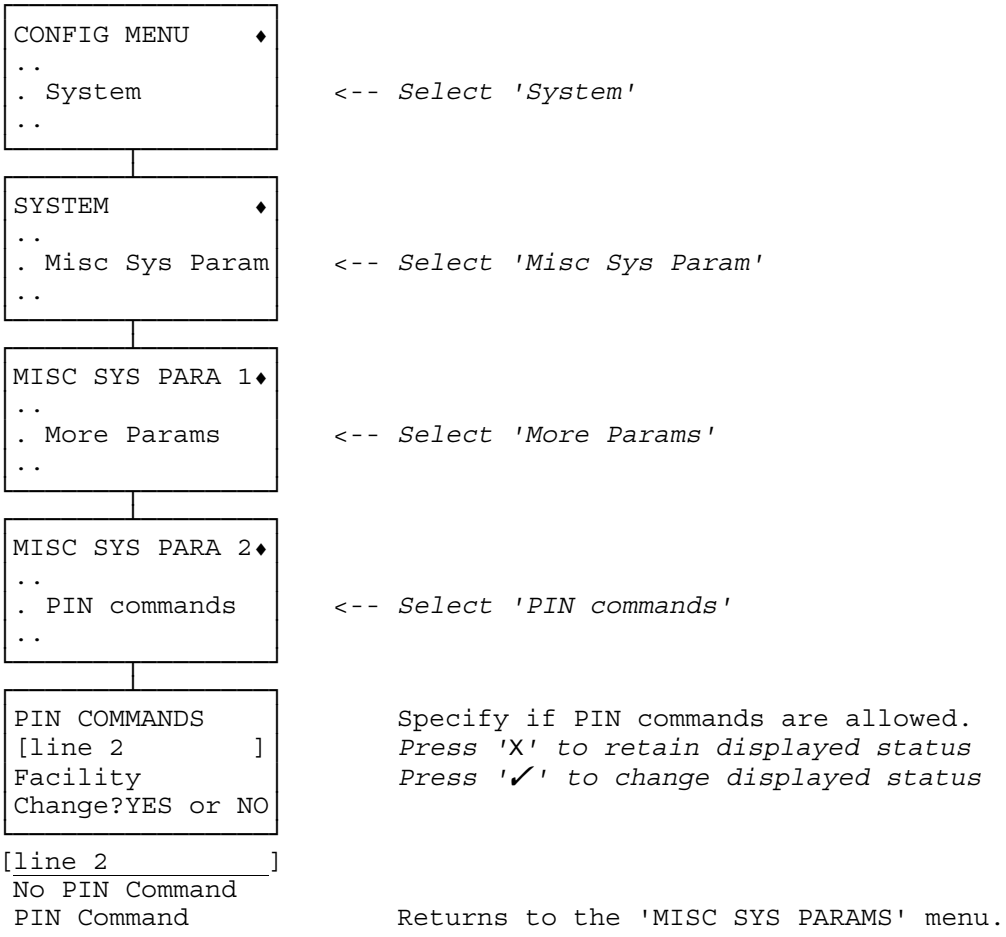
<-- *Select 'New PIN lockou'*

Specify the period during which a PIN may not be changed.
Enter 2 digit number (days). Press '✔'

Returns to 'DEF TIME PARAMs' menu

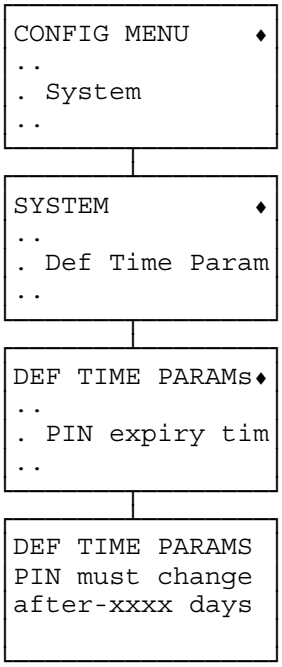
DEFINE : PIN COMMAND FACILITY

The PIN Command facility allows the user to quickly set or unset a specified zone by entering the PIN, followed by the Clear key. They are then prompted for the number of the zone to set/unset.



DEFINE : PIN EXPIRY

To reduce the likelyhood of PINs being discovered, each PIN must be changed every so often. This period is known as the PIN expiry time. After a PIN has expired, the user is allowed to log-on one final time. If the warning message is ignored and the PIN not changed, the PIN is deleted and the user is not allowed to log-on again. If this happens the master can allocate a new PIN using the enable user facility.



<-- *Select 'System'*

<-- *Select 'Def Time Param'*

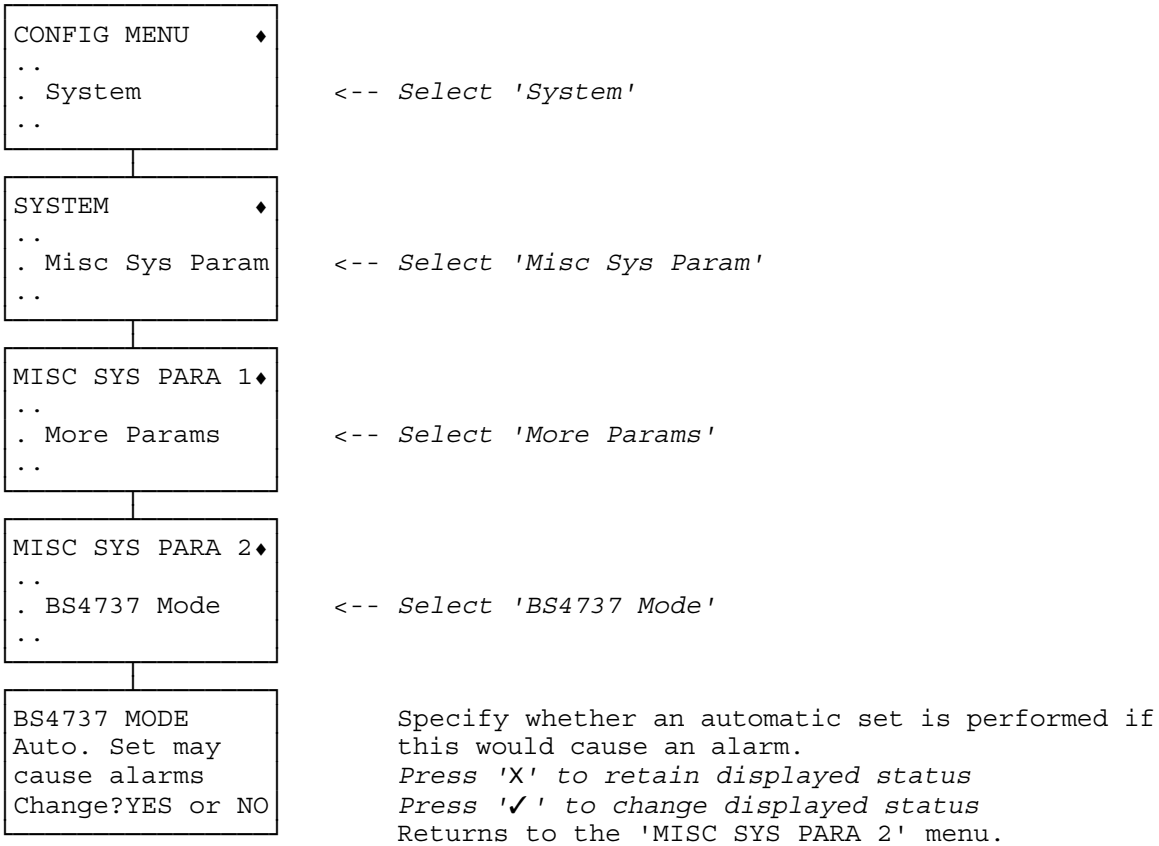
<-- *PIN expiry tim'*

Specify PIN validity period.
Enter 4 digit number. Press '✓'

Returns to 'DEF TIME PARAMs' menu

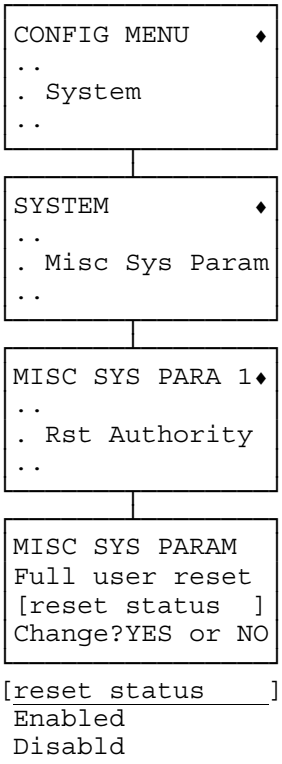
DEFINE : PREVENT AUTO SET ALARMS

The Prevent Auto Set Alarms facility controls whether an automatic set is performed if this would cause an alarm. This is required in order to satisfy the requirements of BS4737.



DEFINE : RESET AUTHORITY

In a commercial system connected to a central station, it is usual to require a service visit after an alarm. By disabling full user reset it is possible to prevent the user setting the system until a serviceman has performed a reset.



<-- *Select 'System'*

<-- *Select 'Misc Sys Param'*

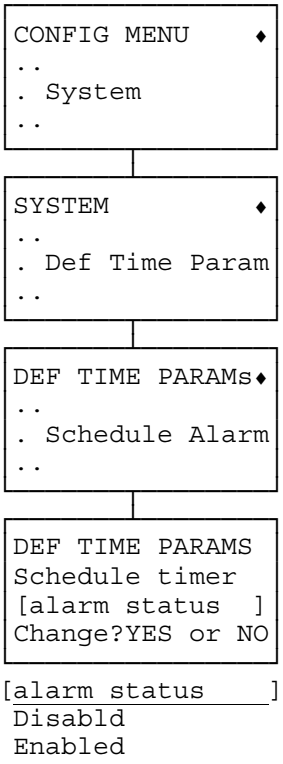
<-- *Select 'Rst Authority'*

Specify user reset capability.
Press '✓' to change specified capability
Press 'X' to retain specified capability

Returns to 'MISC SYS PARA 1' menu

DEFINE : SCHEDULE ALARM

The schedules not only define when a zone may be opened, but also when it must be set. If a zone is not set by the time the schedule closes, an alarm will be generated if this feature is enabled.



<-- Select 'System'

<-- Select 'Def Time Param'

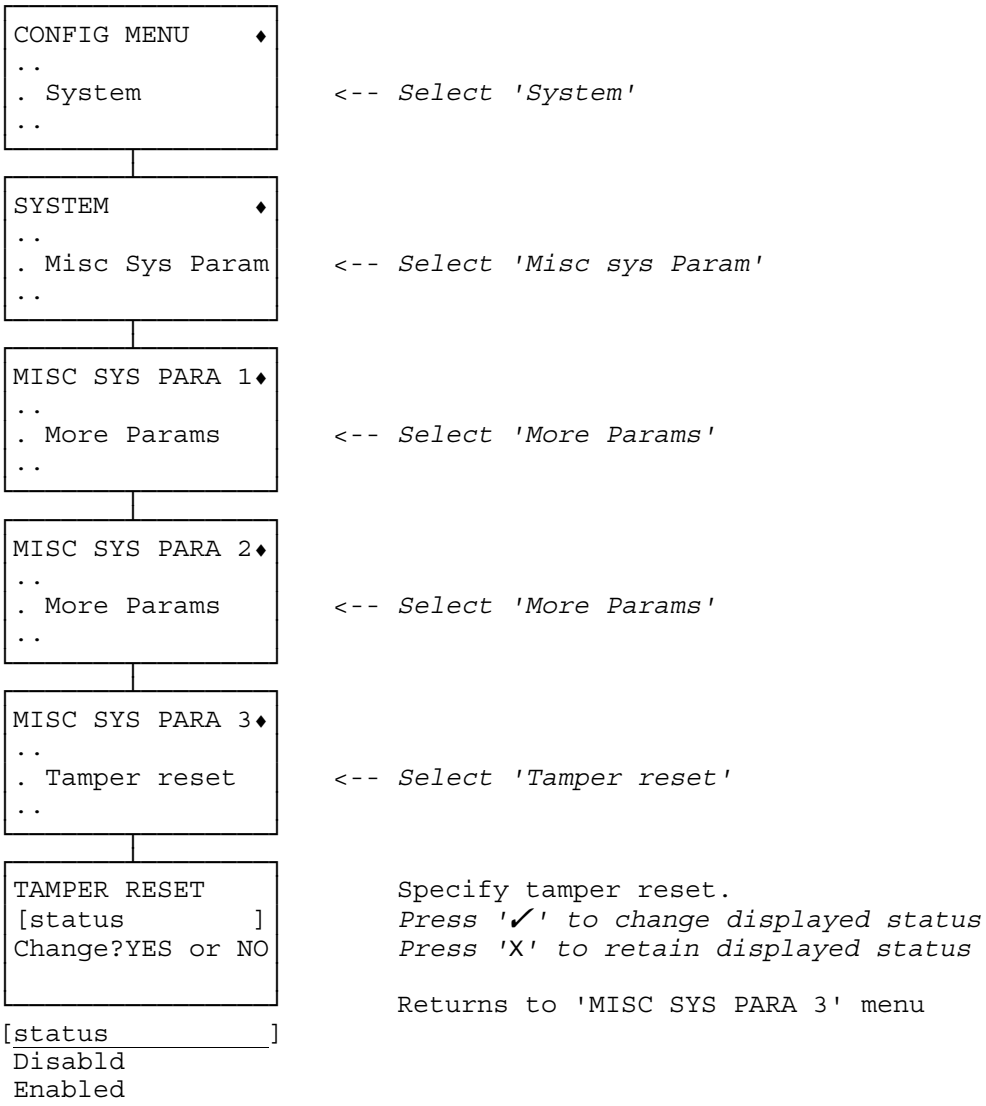
<-- Select 'Schedule Alarm'

Specify schedule timer.
Press '✓' to change displayed status
Press 'X' to retain displayed status

Returns to 'DEF TIME PARAMs' menu

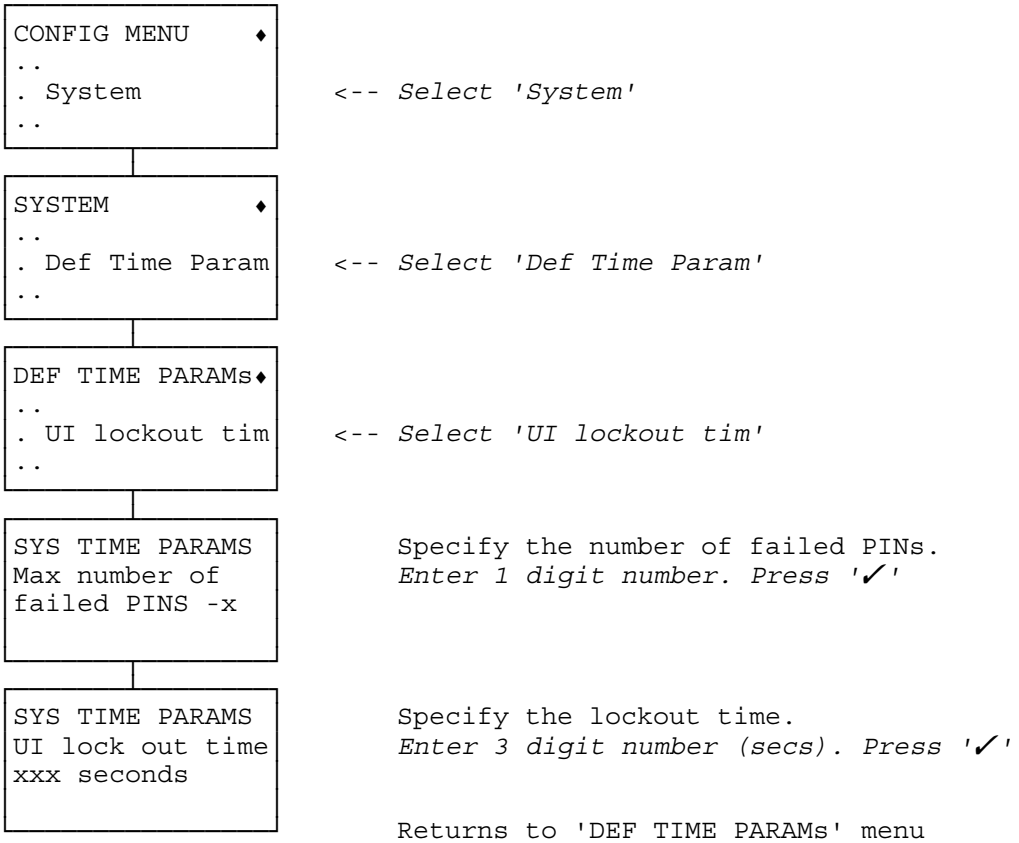
DEFINE : TAMPER RESET

This facility configures whether users are restricted in that they are not able to reset a system after a tamper. The reset which is restricted is either a manual or an automatic reset function. If the 'Tamper reset' is disabled then the restriction applies.



DEFINE : UI LOCKOUT

Define the number of consecutive failed PIN entries that are allowed before the keypad is rendered unusable and the period of time that the keypad will remain unusable.



DEFINE : VERIFY ALARM

Define the verified alarm function. This function will cause a special Verified Alarm event to be reported only when two verifiable alarm states occur within a configured time of each other. This is designed to reduce false alarms. Verified alarms are restricted to Night Alarm points, 24 hour points, Bell tamper and Entry Route Timeout. The configured time between states for a verified event (known as the Verified Alarm Duration) is from 1 to 255 minutes. A duration of zero is used to configure a duration until the system or zone is next unset.

When using verified alarms the individual alarm events of the involved points may be suppressed. This applies to the following events:

24H	24Hr Alarm (in any zone)
24H1 - 24H8	24Hr Alarm in Zone Z
NA	Night Alarm (in any zone)
NA1 - NA8	Night Alarm in Zone Z
P001 - P250	Alarm on point I

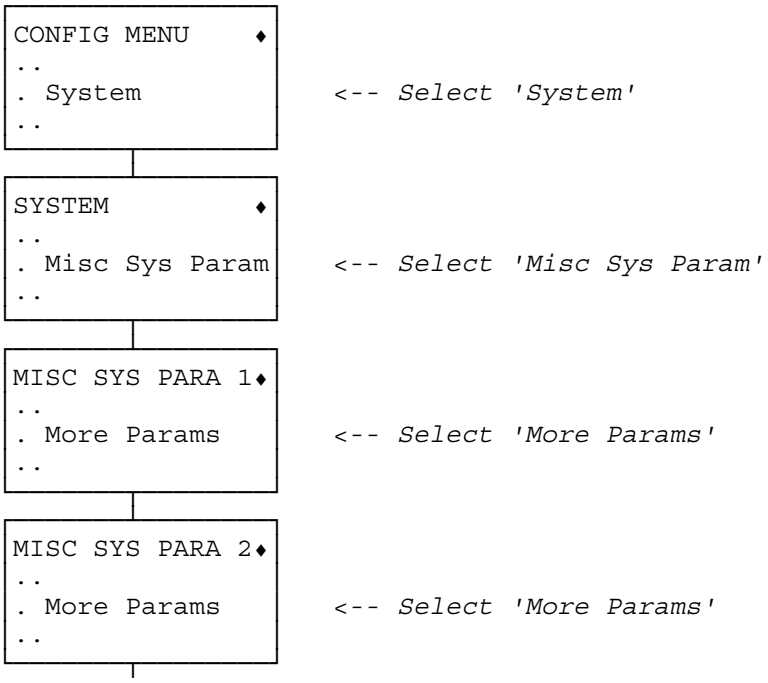
The following events are used to report the verified alarm:

VAS	Verified Alarm (system)
VAL1 - VAL8	Verified Alarm in Zone Z

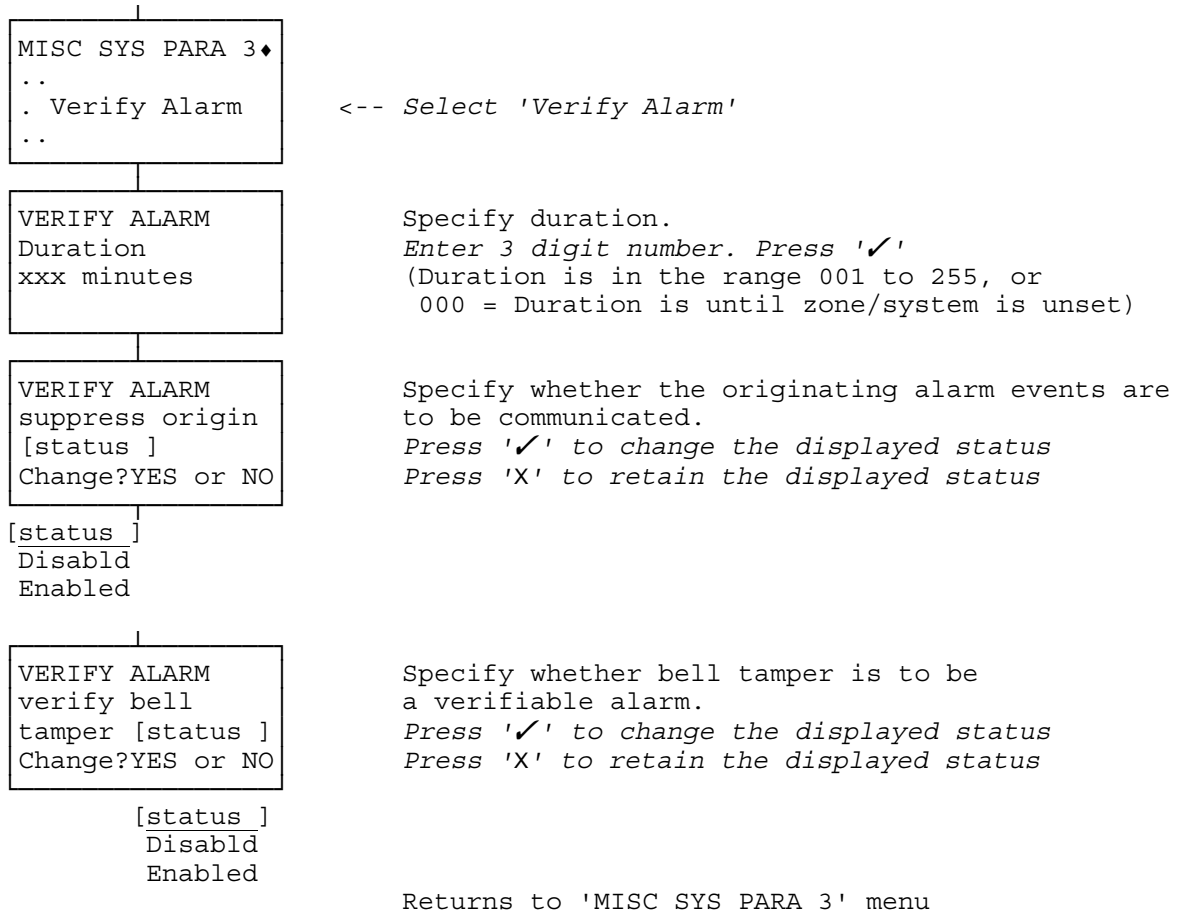
The VAS event is caused by two verifiable sensors in any part of the system going into alarm within the Verified Alarm Duration of each other. The VALn event is caused by two verifiable sensors which are both in zone n going into alarm within the Verified Alarm Duration of each other. The Bell tamper is considered to be in all zones.

The Clear Alarms command will clear any existing or potential verified alarms. (Note however that if more than one verifiable points remains off-normal when performing Clear Alarms then a verified alarm will be generated because the points are re-asserted). Unsetting the system will clear any existing or potential verified alarms.

Note: The Verified Alarm Duration is accurate to the minute. Therefore, for example, a duration of 1 minute will mean a verified alarm may be generated if the interval between verified alarms is 1 min 59 seconds.

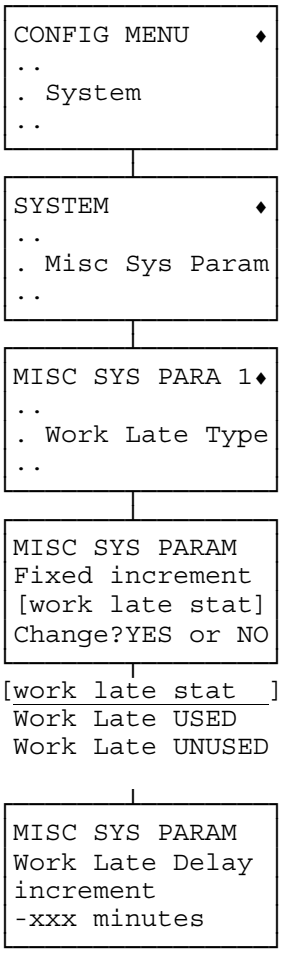


DEFINE : VERIFY ALARM continued overleaf


MISC SYS PARA 3♦
..
. Verify Alarm
..
<-- Select 'Verify Alarm'
VERIFY ALARM
Duration
xxx minutes
Specify duration.
Enter 3 digit number. Press '✓'
(Duration is in the range 001 to 255, or
000 = Duration is until zone/system is unset)
VERIFY ALARM
suppress origin
[status]
Change?YES or NO
Specify whether the originating alarm events are
to be communicated.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status
[status]
Disabld
Enabled
VERIFY ALARM
verify bell
tamper [status]
Change?YES or NO
Specify whether bell tamper is to be
a verifiable alarm.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status
[status]
Disabld
Enabled
Returns to 'MISC SYS PARA 3' menu

DEFINE : WORK LATE TYPE

Define if Late Working is to be fixed increment or a variable increment. For the fixed increment the extension time is defined.
Note: This defines whether the Early Opening type is fixed or variable as well.



<-- *Select 'System'*

<-- *Select 'Misc Sys Param'*

<-- *Select 'Work Late Type'*

Specify whether a fixed or variable increment is to be used for late working.
Press '✓' to change the displayed status
Press 'X' to retain the displayed status

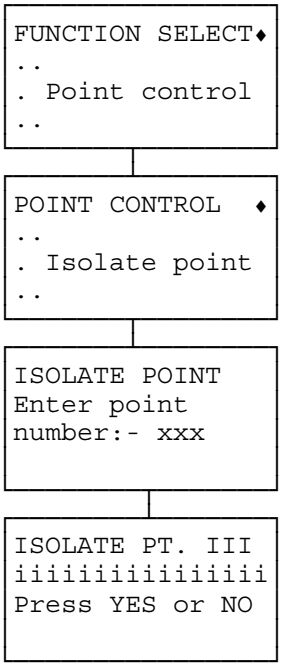
If fixed increment used:
Specify increment.
Enter 3 digit number. Press '✓'

Returns to 'MISC SYS PARAMS' menu

POINT INPUT : ISOLATE/DEISOLATE

Isolating a detector causes off-normal and tamper states to be ignored. This is useful when you require a system to set despite point(s) being in tamper or at fault. The point must be configured as isolatable for this procedure and there is a configured limit to the number of isolated or soaked points in a zone.

ISOLATE



<- *Select 'Point Control'*

<- *Select 'Isolate point'*

Specify point number to be isolated.
Enter 3 digit number. Press '✓'

Display of point number for confirmation.
Press '✓' to isolate
Press 'X' *to abort*

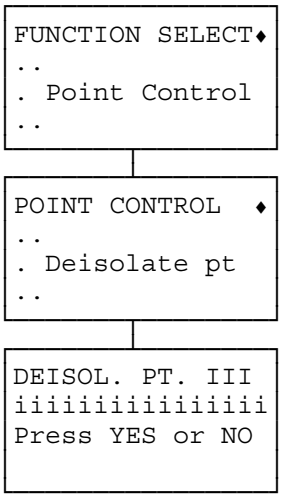
Returns to FUNCTION SELECT menu

NOTES

'Isolate point' not in menu	There are no isolatable points.
'invalid number'	The number selected is out-of-range.
'invalid point'	The point number selected can not be isolated.
'Pt is isolated'	The point selected is already isolated.
'Cannot modify pt'	The point is configured to be not isolatable.
'limit exceeded'	The zone already has the maximum permitted number of isolated points.
'Pt is in soak'	A point which is already in soak test cannot be isolated.

POINT INPUT : ISOLATE/DEISOLATE continued overleaf

DEISOLATE



<- *Select 'Point Control'*

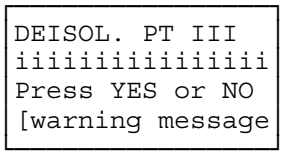
<- *Select 'Deisolate pt'*

Display of isolated point(s)
Press '✓' for deisolate
Press 'X' *to scroll*

Returns to 'FUNCTION SELECT' menu

NOTES

'Deisolate pt' not in menu There are no points isolated.



Deisolating the point will cause the displayed effect
Press '✓' to deisolate
Press 'X' *to scroll*

[warning message]
Alarm cond

RESET : NET RESTART

This facility restarts the Data Gathering and User Interface Networks.

```
RESET AND MUTE ♦
..
. Net restart
..
```

<-- *Select 'Net restart'*

Returns to the 'FUNCTION SELECT' menu.

This facility performs the following

1. Remove all shunts and isolates.
2. Clear all latched point inputs and outputs.
3. Restart the Data Gathering network and the User Interface network.

On completion the system is left unset.

```
RESET AND MUTE ♦
..
. Service Reset
..
```

<-- *Select 'Service Reset'*

Returns to the 'FUNCTION SELECT' menu.

NOTES

```
RESET FAILED
SYSTEM STILL
IN ALARM
Press CLEAR
```

Check the system status to see what is still in alarm.

SERVICEMAN : COMMISSION REMOTE COMMS

Windsor 700 is able to talk to the GuardStation remote controller. This allows a central user to monitor and manage many systems. Windsor 700 can also be configured to report alarms to the GuardStation. Having configured the system and set up GuardStation, the remote link must be commissioned. This allows the GuardStation to pass essential information to the Windsor 700 which will be required for future conversations.

Having commissioned remote communications, the information passed to the Windsor 700 is stored in the same memory as the configuration. The act of decommissioning deletes this information. There are several reasons for wanting to do this:

(i) the GuardStation is being taken out of service and the Windsor 700 must no longer communicate with it;
(ii) the network address or telephone number of the GuardStation has changed so the remote communiations must be recommissioned;
(iii) the GuardStation has been replaced by another without copying the database from the old to the new;
(iv) the configuration has been copied from another Windsor 700, in this case all sites must be decommissioned before any is recommisioned — failure to do this will result in the Windsor 700s having the same identity; and
(v) remote communications was configured with encryption disabled but encryption is now required - the encryption keys form part of the information passed during commisioning.

Note that decommissioning does not communicate with the GuardStation, therefore a similar procedure (called "deinitialising" must be carried out there.

Note also that encryption for a given site may be enabled or disabled using the Remote Comms option Encryption.

COMMISSION REMOTE COMMS

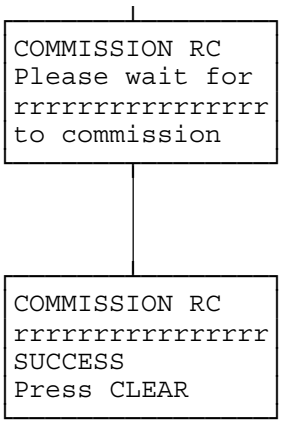
```
FUNCTION SELECT♦
. ..
. PIN/User menu     <-- Select 'PIN/User menu'
. ..

PIN/ USER MENU ♦
. ..
. Commission RC     <-- Select 'Commission RC'
. ..

COMMISSION RC           The Remote Site(s) configured are displayed.
Site selected           Use '▲' or '▼' to scroll the required site
rrrrrrrrrrrrrrr         to line 3. Press '✓'
Press YES or NO

Please telephone        Contact the Remote Site operator in order to
ppppppppppppppp         establish that you require the commissioning.
nnnnnnnnnnnnnnn         When the Remote Site operator is ready:
YES when ready          Press '✓' before the remote site operator
                        initiates the process.
```

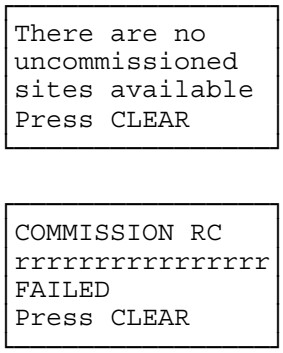
SERVICEMAN : COMMISSION REMOTE COMMS continued overleaf



The system is ready for commissioning.
During commissioning this will be displayed.
Press 'C' if abort required
The commission will also be aborted if the serviceman is automatically logged-off. If the panel cover has not been removed, press a numeric key occasionally to avoid being logged-off.

The commissioning has been successful
Press 'C' to return to menu

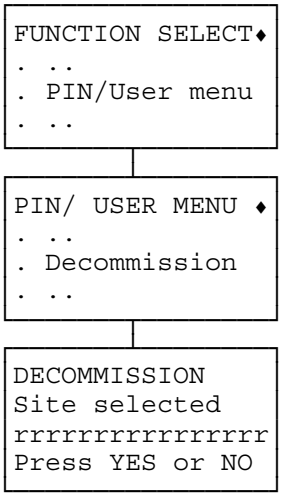
NOTES



There are no Remote Sites configured or all the Remote Sites configured have already been commissioned.
Press 'C' to return to menu

'C' was pressed to abort commissioning.
Press 'C' to return to menu

DECOMMISSION REMOTE COMMS



<-- *Select 'PIN/User menu'*

<-- *Select 'Decommission'*

The Remote Site(s) commissioned are displayed.
Use '▲' or '▼' to scroll the required site to line 3. Press '✔'

SERVICEMAN : COMMISSION REMOTE COMMS continued overleaf

NOTES

Remote communications not commissioned Press CLEAR	There are no Remote Sites commissioned *Press 'C' to return to menu*

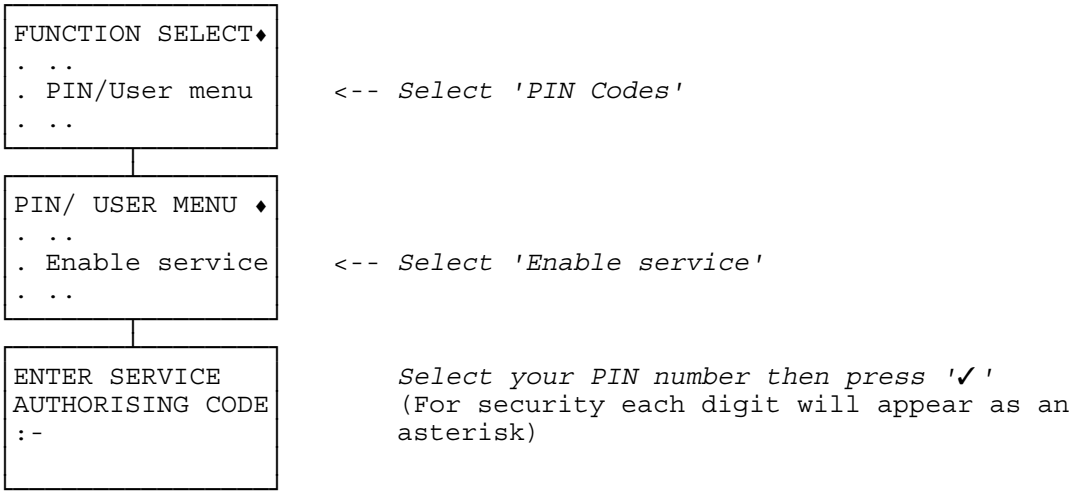
To log-on as a serviceman your access must first be established by a user log-on. This will be a customer's representative with an authority level of Master, Manager or User 1.

During initial commissioning, or when a system fault has ocurred, there are no user PINs defined. To allow access a default user PIN (1111) is enabled. Use the default user PIN to log-on, select the 'Enable Service' option as shown below and then use the default service PIN (974072) to gain access in the service role.

NOTE: The service PIN changes with the date. The default service Pin is based on the default date. Therefore setting the date to the current date will disable the default service PIN. After a configuration has been downloaded from the PROM Pack the default service PIN will change in accordance with the configuration details.

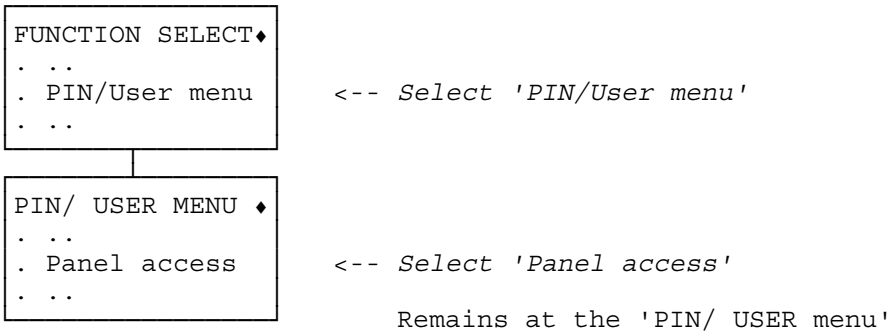
The service PIN of the day is normally supplied by the Central Station.

This follows USER log-on:



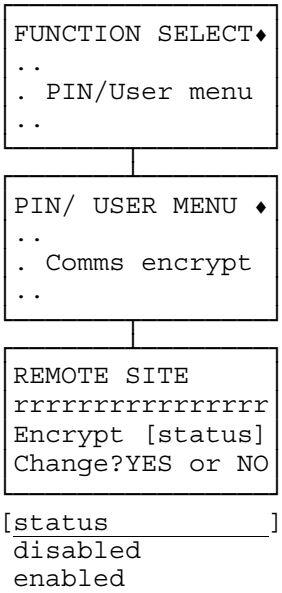
SERVICEMAN : PANEL ACCESS

If the user who is logged-on does not press any key for a configured time (see **CONFIGURE : AUTO. LOG-OFF**), that user is logged-off. The serviceman may gain extra time by selecting panel access, this increases the log-off period by a configured multiple. If even more time is needed, the panel cover can be removed. Provided the serviceman is logged-on when the cover is removed, no tamper will occur. Once the cover is removed the seviceman will not be automatically logged-off until it is replaced.



SERVICEMAN : REMOTE COMMS (ENCRYPTION)

This facility configures the system whether to encrypt the data communication with a Remote Site. The encryption keys are supplied at the time of commissioning but whether the encryption is used or not depends on the configuration.



<-- *Select 'PIN/User menu'*

<-- *Select 'Comms encrypt'*

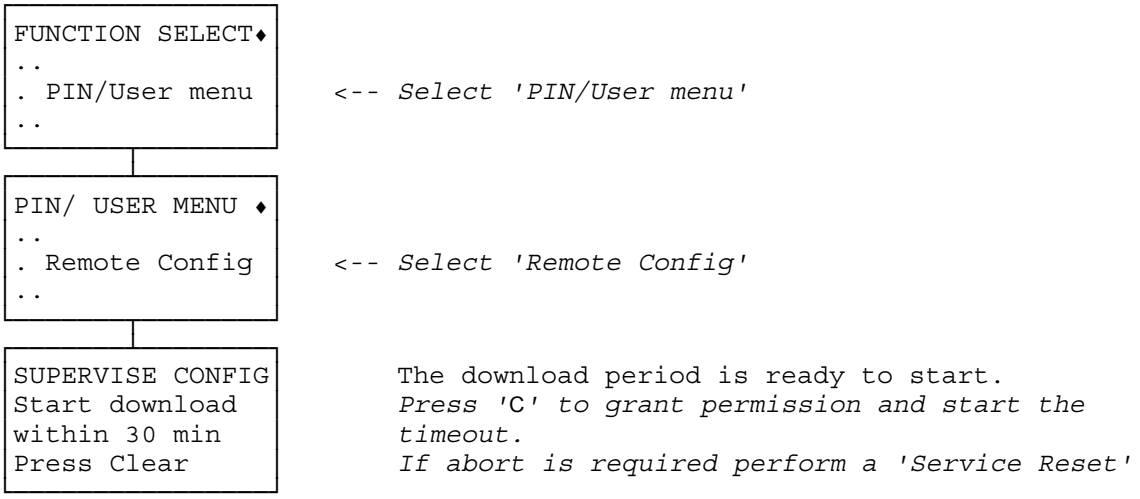
Select whether encrption is applicable.
Use '▲' or '▼' to scroll required Remote Site to line 2.
Press '✓' to change displayed encryption status
Press 'X' to retain displayed encryption status
Press 'C' to return to PIN/USER menu.

SERVICEMAN : REMOTE CONFIGURATION

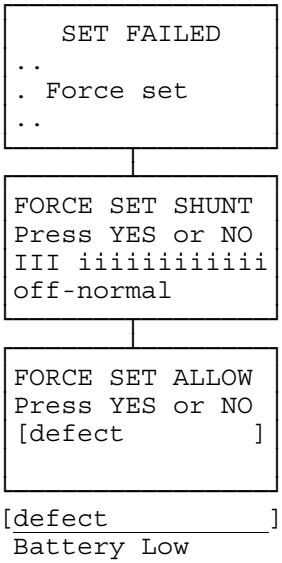
A GuardStation may be used to modify the Windsor 700 configuration. The existing configuration indicates which GuardStations (if any) may do this. Remote configuration may be permitted, not permitted, or permitted with local permission. If this last option is used, the serviceman must grant permission using the procedure described here. Once the procedure is complete the serviceman is logged-off. The GuardStation then has 30 minutes in which to commence the download. Permission is rescinded following the download or after a service reset. The GuardStation will be unable to perform a download if any local user is logged-on or if any zone is set.

Note that the GuardStation may upload the configuration without local permission.

Configuration download Act of sending a new configuration to the Windsor 700.
Configuration upload Act of reading the configuration from the Windsor 700, possibly for modification and future download.



This facility allows setting when points are off-normal or a system defect is present by presenting the off-normal points to be shunted; the shunt limits still apply.



Follows failure of conventional set operation:

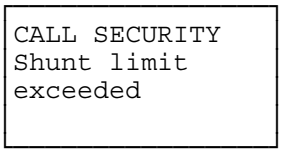
<-- *Select 'Force set'*

If points off-normal:
Press '✓' to shunt point

If system defect:
Press '✓' to override

The set operation is re-tried automatically

NOTES



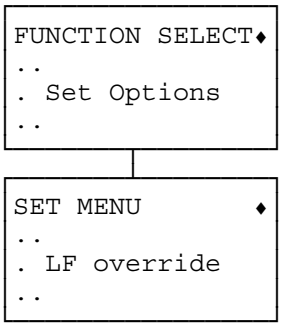
The point is configured as non-shuntable or the total shunt limit is exceeded.

SET : LINE FAULT OVERRIDE

This facility configures the Line Fault Override status of the system. When Line Fault Override is in operation then a user may set the system irrespective of the Line Fault status of the communicator.

The Line Fault Override status established by the method below is not retained in the non-volatile configuration memory and will therefore be lost if the Control Unit is de-powered. Also the existing Line Fault Override will be cleared if a configuration is entered. If it is required to place the Line Fault Override status in the non-volatile configuration memory see DEFINE : LINE FAULT OVERRIDE.

LINE FAULT OVERRIDE (Enable)



<-- *Select 'Set Options'*

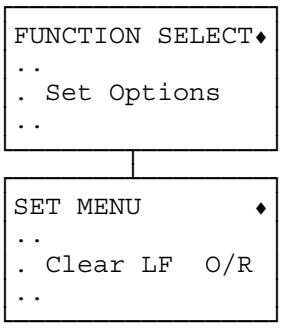
<-- *Select 'LF override'*

Returns to 'SET' MENU

NOTES

'LF override' not in menu Line Fault Override is already configured

LINE FAULT OVERRIDE (Disable)



<-- *Select 'Set Options'*

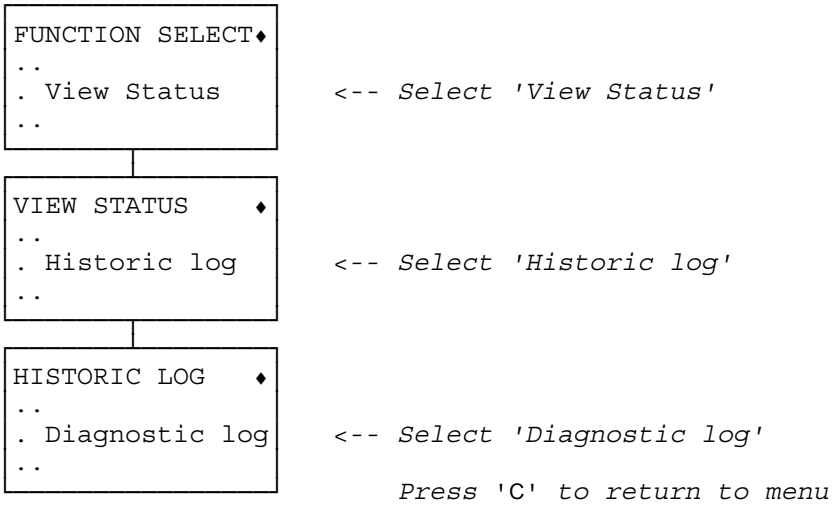
<-- *Select 'Clear LF O/R'*

Returns to 'SET' MENU

NOTES

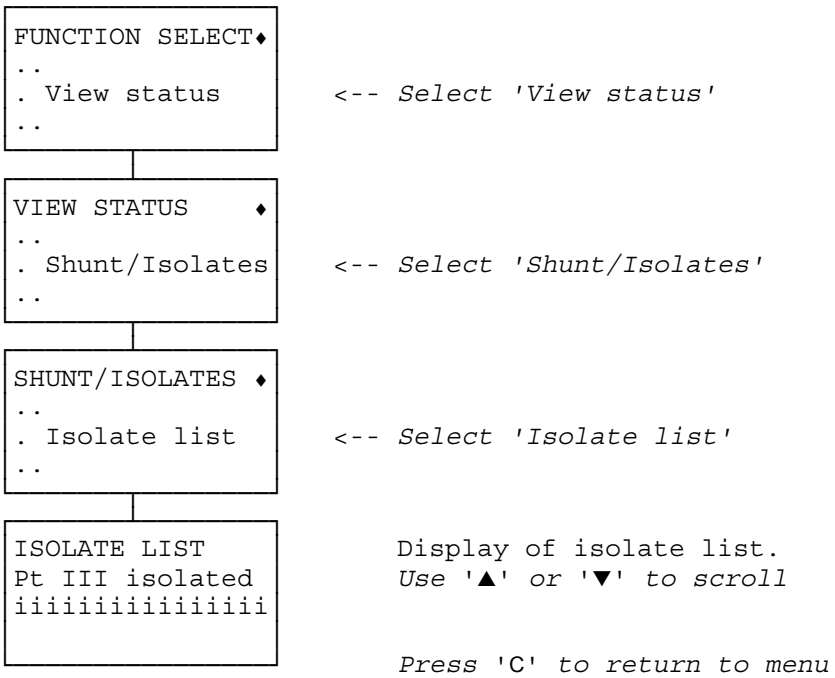
'Clear LF O/R' not in menu Line Fault Override is not configured

Display the Diagnostic Log. This is intended for diagnostic purposes by Guardall. No explanation of this log is given in this manual.



STATUS : ISOLATE LIST

Display list of isolated points (see **POINT INPUT : ISOLATE/DEISOLATE** in this document, and **POINT INPUT : SHUNT/UNSHUNT** in the User Manual).



NOTES

'Shunt/Isolates' not in menu No isolatable points

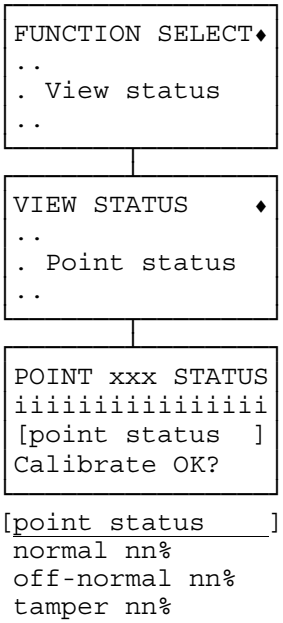
STATUS : POINT INPUT (CALIBRATE)

This facility displays the current state of a point input and allows the point to be calibrated.

The point input circuitry in a concentrator and the connected detector form a resistor network. The state of the point input depends upon the voltage across this network. The point status facility displays the deviation of the present voltage from normal. Typical deviations for each of the three basic concentrators are:-

No End-of-Line:	Normal = 0%,	Alarm = -32%,	Tamper(device) = +22%
End-of-Line:	Normal = 0%,	Alarm = -19%,	Tamper(device) = -38%
High-Security:	Normal = 0%,	Alarm = -22%,	Tamper(device) = -44%

If the status display is showing a small deviation when the point input is normal, it is possible to recalibrate the point. This may be required if contacts are dirty, the circuit wiring has a small resistance, or to accommodate end-of-line resistor tolerances. Calibration is particularly important for the High-Security Concentrator where the state thresholds are close together. Calibration is not allowed if the present voltage deviates from the nominal normal voltage by more than 6% (the point status is not-normal or marginal), this prevents faulty equipment being calibrated to appear normal.

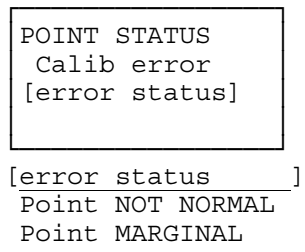


<- *Select 'View status'*

<- *Select 'Point status'*

Press '✓' to view next point
Use '▲' or '▼' to scroll
Press 'X' if the calibration is NOT correct
Enter a three digit number and press '✓' to view any point.

NOTES



Calibration is not possible if the point is not normal, or if the point is marginal (close to the thresholds)

STATUS : PRINT CONFIGURATION

This facility prints the configuration data of the Windsor 700 system.

The printout is in a compact format employing abbreviations to describe various functions. The abbreviations are in most cases self-explanatory. The meaning of some of the abbreviations is given opposite.

```
FUNCTION SELECT♦
..
. View status        <-- Select 'View status'
..

VIEW STATUS     ♦
..
. Historic log       <-- Select 'Historic log'
..

HISTORIC LOG    ♦
..
. Print config.      <-- Select 'Print config'
..
```

PRINT CONFIGURATION (Start)

```
PRINT CONFIG.   ♦
..
. Start printout     <-- Select 'Start printout'
..                       The configuration printout will commence.
```

PRINT CONFIGURATION (Stop)

```
PRINT CONFIG.   ♦
..
. Stop printout      <-- Select 'Stop printout'
..                       The configuration printout will halt.
```

PRINT CONFIGURATION ABBREVIATIONS

FORM A - POINT INPUTS

FLAGS

S	Shuntable
I	Isolatable
E	Exemptable
L	Log Signal Point Activations
V	Verifiable
A	Auto-shuntable

ATTRIBUTE

BUF	Buffer point
DBF	Double Buffer point
SSM	Safe Shunt Master
SSS	Safe Shunt Slave
BGP	Break Glass Point/Call Point

LOGICAL FUNCTION

ANDO	Outputs anded
ANDI	Inputs anded
ORO	Outputs ored
ORI	Inputs ored

FORM B - ZONES

TYPE

NORM	Normal zone
ATM	ATM zone

FLAGS

ST	Zone is set
TA	Timer Alarm on schedule expiry
AS	Auto. set on schedule expiry
EU	Emergency Unset applicable
AU	Auto. unset on schedule open window
MS	Monitor shunt facility
RU	Restricted unset during schedule open window
MC	Manaul operation plus automatic set/unset
AT	ATM Control zone
SU	Shown on set/unset menu
2U	Dual PIN access
SE	Secure zone
RC	Restricted Command access

FORM E - ENTRY/EXIT ROUTES

ATTRIBUTES

ENT	Entry point
EXT	Exit point
IN	Entry route point
OUT	Exit route point
IBF	Entry route buffer point
OBF	Exit route buffer point

FORM F - KEYPADS

TYPE

UIC	Normal
MIM	Mimic
PNT	Printer

FLAGS

KSW	Keyswitch
ENS	Enabled when controllable zones set
DSU	Disabled if controllable zone(s) unset
ATM	
HNG	Removable
DAT	
EKY	
CHK	
LOB	Card reader attached for ATM lobby access
CRD	Card reader attached for login
SUN	Display set/unset menu

FORM G - CONCENTRATORS

TYPE

CDN	Canadian
EOL	End-of-line
HSC	High-security
MON	Monarch
NEOL	No end-of-line

FORM H - POINT OUTPUTS

CONTROL FLAGS

MOM	Momentary
LTH	Latched
NOF	Mormally off
TRG	Triggered
PNT	Point gated
?	AND Point inputs anded
?	CNT Linked point input to be counted
?	
?	
?	
?	
ATM	ATM zone bypassed
WTS	Walk test
DTS	Detector test
PTS	PA test
SET	Set zones
UNS	Unset zones
EXT	Exiting zones
ENT	Entering zones
CMP	Compromised zones
PWD	Prewarning
SND	Sounders
STB	Strobes
ALM	Alarms
PAA	PA alarms
TAM	Tampers
ARM	Armed zones
SDC	Schedule closing
LNF	Line Fault
MNF	Mains Fail
ADF	Auto Detector test fail
ZIS	Zone is settable

The monitor test when started records henceforth any changes of state that the detector makes. The changes may then be reviewed by using the view facility in the test.
Monitor test does not affect the operation of the detector in the alarm system.

```
FUNCTION SELECT♦
..
. Test                <-- Select 'Test'
..
```

```
TEST MENU        ♦
..
. Other tests         <-- Select 'Other tests'
..
```

MONITOR (Start)

```
POINT MON. TEST♦
..
. Start test          <-- Select 'Start test'
..                        The detector states will now be recorded.
                          The test may be run for as long as required.
                          Returns to POINT MON. TEST full menu
```

MONITOR (View)

```
POINT MON. TEST♦
..
. View test           <-- Select 'View test'
..
```

```
POINT MON. TEST           Specify detector point number.
Select point for          Enter 3 digit number. Press '✓'
view:- xxx
```

```
VIEW POINT III            Display of detector status
iiiiiiiiiiiiiiii          Use '▲' or '▼' to scroll list
[point status  ]          Press 'C' to return to menu
[test log      ]
```

```
[point status     ]     [test log         ]
 point normal           no changes
 point off-normal       was normal
 point in tamper        was off-normal
                        was in tamper
                        all states used
```

TEST : MONITOR continued overleaf

NOTES

'invalid number'	The number selected is out-of-range.
'invalid point'	The number selected is not configured or the point may not be placed in monitor.

MONITOR (Stop)

```
POINT MON. TEST♦
..
. Stop test
..
```

<-- *Select 'Stop test'*

Returns to POINT MON. TEST menu

The soak test facility is used to assess the performance of detectors following repair or installation.

A detector under soak test does not participate in the alarm system so off-normal and tamper conditions do not generate alarms. However, in order to provide diagnostic information every change of state is entered in the historic log. The log entries are:

Point going normal :	status = 0
Point going off-normal :	status = 1
Point going into tamper :	status = 3

There is a configured limit to the number of isolated or soaked points in a zone.
The soak test may be started at any time in an unset zone. A detector cannot be removed from soak if so doing would cause an alarm.

```
FUNCTION SELECT♦
..
. Test
..
```
<-- *Select 'Test'*

```
TEST MENU      ♦
..
. Soak test
..
```
<-- *Select 'Soak test'*

SOAK (Start)

```
SOAK TEST
..
. Soak point
..
```
<-- *Select 'Soak point'*

```
SOAK POINT
Enter point
number:- xxx
```
Specify detector point number required.
Enter 3 digit number. Press '✓'

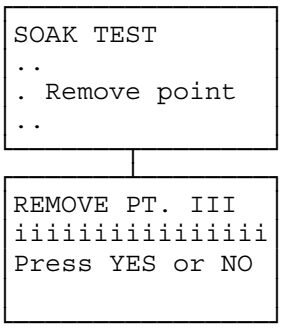
```
SOAK PT. III
iiiiiiiiiiiiiii
Press YES or NO
```
Confirm selection.
Press '✓' to continue
Press 'C' to abort
Press 'X' to select a different point
Returns to FUNCTION SELECT menu if successful

NOTES

'invalid number'	The number is out-of-range.
'invalid point'	The point number is not configured or the point may not be placed in soak test.
'Pt is in soak'	The selected point is already in soak test.
'limit exceeded'	The zone isolate limit is exceeded.

TEST : SOAK continued overleaf

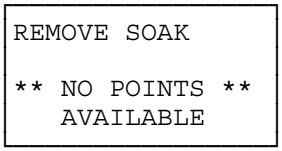
SOAK (End)



<-- *Select 'Remove point'*

Display of point(s) in soak.
Press '✓' *to remove soak*
Press 'X' *to retain soak*
Press 'C' *to return to menu*
Returns to SOAK TEST menu automatically if all soak points are removed.

NOTES

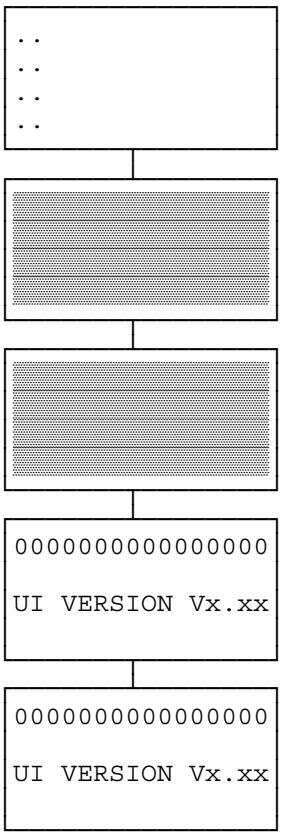


There are no points in soak test.

This facility allows the UI to be tested while the system is operational.

While in this mode the viewing angle of the LCD may be adjusted for optimum display clarity. For this, the keypad must be removed from the case base. Note that this will not cause a tamper - this is inhibited while the keypad is in self-test. After detaching the keypad from its base locate the potentiometer VR1.

Use a small screwdriver to adjust VR1. The extremes of the display are a blank display and a display comprising black rectangles (the background). The optimum position of VR1 will give a display in which the displayed characters are clearly visible and the rectangles of the background have virtually disappeared. When carrying out the adjustment hold the keypad in a position as near as possible to its normal operating position to ensure that the ambient lighting conditions and viewing angle are realistic.



<-- *Press '2' '5' '8' '0' simultaneously*

Check display
For 5 secs:
Display of pixel pattern 1
For 2 secs:
Buzzer sounds & all LEDs light

Check display
For 5 secs:
Display of pixel pattern 2

Test keypad
Key-press should change 0 to 1 corresponding to the order 123456789▲0X▼C✓T (T = tamper).
Pressing '0' should also light all LEDs and buzzer sounds for 2 secs.

<-- *Press '2' '5' '8' '0' simultaneously*
Returns to operational mode

NOTES