GardTec

R I S C O   G R O U P

GARDTEC
800 Series
800 816 872

User Instructions

Contents

User Information

Customer Name:-

Customer Address:-

Control Panel Model	**800** Tick	**816** Tick	**872** Tick

No of Keypads		
Keypad 1 Location		Type
Keypad 2 Location		Type
Keypad 4 Location		Type
Keypad 5 Location (872)		Type
Keypad 6 Location (872)		Type
Keypad 7 Location (872)		Type
Keypad 8 Location (872)		Type
ACE Mode (if fitted)	Normal Security	High Security

Keyswitch 1 Location	Reserved User Code User No.	
Keyswitch 2 Location	Reserved User Code User No.	
Keyswitch 3 Location	Reserved User Code User No.	
Keyswitch 4 Location	Reserved User Code User No.	} **872**
Keyswitch 5 Location	Reserved User Code User No.	
Keyswitch 6 Location	Reserved User Code User No.	
Keyswitch 7 Location	Reserved User Code User No.	
Keyswitch 8 Location	Reserved User Code User No.	

Installation Company Name:-

Installation Company Address:-

Installation Company Tel.   Fax.

Other Information:-

Note: Please ensure this section is completed by the installation engineer

Introduction

The Gardtec *800 Series* of control panels consists of 3 models, the Gardtec *800*, the Gardtec *816* and the Gardtec *872*. Two types of display are available for the system keypads, a) LCD offering a 32 character display with zone descriptors and user names or, b) twin seven segment LED display. The LED type display is normally used for setting and unsetting at secondary points. **Throughout this manual references will be made to the specific model of control panel. You may find this information from the user information section on page 2 of this manual.**

LED keypads may be used to SET & UNSET the system, <u>ONLY</u> the <u>LCD keypads</u> can be used to programme the 800 series control panels.

Please take time to familiarise yourself with the type of equipment fitted to your premises as it will prove invaluable whilst using this manual.

IMPORTANT USER INFORMATION

"ENTER CODE CHECK" will not be displayed.

All information displays will remain until cleared by the User.

<u>User Code Types</u>

Master Level User Code EN2 (default) - **5678**

　　　　　　　EN3 (default)- **005678**

　　　　　　　(EN refers to European Grade).

800 816

Four types of User Codes are available on the Gardtec *800,* and six types on the Gardtec *816,* each user code type allows for different levels of access. In total 7 User codes may be programmed by a Master Level User Code.

User number 1 will always be a Master Level User but the remaining 6 User Codes may be programmed (by a Master Code) to the required level of access. These may be changed at any time via a Master level code.

The User Code levels available and the functions available for the levels are:-

1 = Set Only　　　　　　Only Allows for the setting of the system.

2 = Main User　　　　　Allows Setting, Part Setting, Zone Remove (if programmed by engineer), System Test, Unsetting, Reset after Alarm (if programmed by engineer).

3 = User　　　　　　　　Allows Setting, Part Setting, Reset after Alarm (if programmed by engineer), Unsetting.

4 = Master (User 1 always Master)	Allows Setting, Unsetting, Zone Remove (if programmed by engineer), Test System, View Log, Chime On/Off, User Codes, Set Time/Date, Reset After Alarm (if programmed by engineer), Unsetting.
5 = Cleaner (816 Only)	Full System Setting (from unset system), Cleaner Area Unsetting (from set system), Cleaner Part Set (from part cleaner set system).

Control Code Levels (affecting an output)

Control	Allows an output that has been pre-programmed by the installation company to be operated. May also have an attribute of Can or Can't Unset. **Control level codes can never Set a system.**

User Code Types

872

Master Level User Code EN2 (default) - **5678**

EN3 (default)- **005678**

99 user codes are available offering 19 code types with varying levels of access to the system. User number 1 will always be a Master Level User but the remaining User Codes may be programmed (by a Master Code) to the required level of access. These may be changed at any time via a Master level code

The User Code levels available and the functions available for the levels are:-

Master	Allows Setting, Unsetting, Zone Remove (if programmed by engineer), Test System, View Log, Chime On/Off, User Codes, Set Time/Date, Reset After Alarm (if programmed by engineer), Unsetting.
Cleaner	Full System Setting (from unset system), Cleaner Area Unsetting (from set system), Cleaner Part Set (from part cleaner set system).
Area 1 to 7 User	Allows Area 1 to 7 Setting, Area 1 to 7 Part Setting, Area 1 to 7 Unsetting.
Main User & Main User 1 to 7	Allows Setting, Part Setting, Zone Remove (if programmed by engineer), System Test, Unsetting, Reset after Alarm (if programmed by engineer). Main User 1 to 7 are specific to their area.
Control	Used for control of other equipment (see installation company for details).
Set Only	Only Allows for the setting of the system.

Group Code Levels (affecting group or groups of areas)

Group Master   Allows Setting, Part Setting, Area Setting, Zone Remove, System Test, Viewing the Log, Chime On/Off, Program User Codes, Set Time/Date, Unsetting. Will also allow setting/unsetting of individual areas for greater system control

Group Main   Allows Setting, Part Setting, Area Setting, Zone Remove, System Test, Unsetting. Will also allow setting/unsetting of individual areas for greater system control

Group Area   Allows group setting/unsetting/part setting of a selected group of areas.

Group Area Codes are classed as an Advanced User Function as they allow for greater flexibility on systems that are using multiple areas. For details on using Group Area Codes please refer to the section Advanced Setting and Unsetting Using Group Area Codes on page 32.
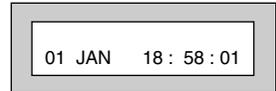
Control Code Levels (affecting an output)

Control   Allows an output that has been pre-programmed by the installation company to be operated.
May also have an attribute of Can or Can't Unset. **Control level codes can never Set a system.**

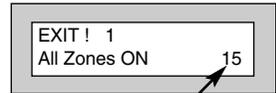## Setting The System

800 816 872

1)   With the display showing:-

01 JAN   18 : 58 : 01

2)   Enter your **User** code.

          (Followed by YES if a **Master** or **Main** type code
          has been used). The display will show:-
          and a continuous exit tone will sound.
          (See "Pre Exit Check" note below).

EXIT ! 1
All Zones ON   15

                                              Time will count down

Note: *Count down in display is dependant on the setting mode programmed by the Engineer.*

3)   Exit the premises via the authorised exit route.
          (The exit tone will change if any detectors are violated during exit).

4)   Once the premises are secure listen, (from outside
          the protected area) that the exit tone returns to the
          continuous tone.

5)   Wait until the exit tone finishes before leaving.

**Note: Setting the system with an area code will set only the area(s)
            associated with that code. (872 only).**

Note: Setting an unset system with a cleaner code will set the full system.

Pre Exit Check
At the start of the setting procedure any non exit routes that
are open will sound a fault tone. The display will show, for
example:-
If the fault clears within 20 seconds then the exit will begin,
otherwise the display will return to Day (Unset) Mode.

Zone 008   12hr
All Zones ON

Setting & Unsetting the
System via a Keyswitch

800 816 872

One of two types of keyswitch(es) may have been fitted to your system.

Normal
To set the system with a normal keyswitch, insert the key and turn to the ON position
then remove the key. To unset insert the key and turn to the OFF position.

Biased
To set the system with a biased keyswitch, insert the key and turn it then return the key
to the original position and remove. To unset repeat this operation.

Unsetting The System

800 816 872

1)   Enter the premises via the authorised entry route
              (the broken entry tone will sound),
              proceed to the keypad.

2)   At the keypad enter a valid code, the display
              will show:-
              (Area information may be shown on 872)

```
01  JAN 18 :  58 : 01
```
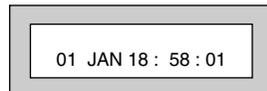
3)   The system is now unset.

Note: **If an Area Code (872 Only) has been entered only the area associated with that code will be unset.**

Note: **If a Cleaner Code has been entered only the cleaner area will be unset.**

Note: **In the event of the system being set using ACE when the battery is low the display will show ACE Battery Low when the system is unset press Yes to clear the display and change the battery in the keyfob.**

Part Setting The System
(using Master & Main type codes)

800 816 872

1)   With the display showing:-

```
01  JAN 18 :  58 : 01
```
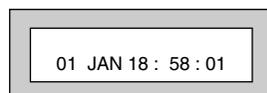
2)   Enter a Master or Main type code, the
              display will show for example:-
              (User Name on 816 & 872 Only)

```
Do you want to . .
Set  the System  ?
```
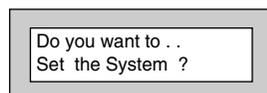
3)   Press 1, 2 or 3 (for Part 1, 2 or 3), the
              display will show for example:-
              (1 2 3 may not show on Gardtec *800 & 816)*

```
EXIT !  1
Part 1                    15
```
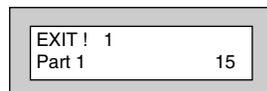
Note: **(872 Only) If a Global code (Master or Main) has been used all areas that are being set will be Part 1 set.**

Note: **(872 Only) If an Area Main code has been used only Part 1 set for that associated area will occur.**
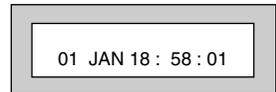
4)　　　　The exit tone may or may not be heard
　　　　　dependant on the system settings.

5)　　　　Exit the premises or retire to an unprotected
　　　　　part of the system. At the end of the exit time
　　　　　either the exit sounder will stop or a single
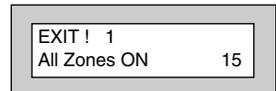　　　　　beep will be emitted (depending on system
　　　　　settings).

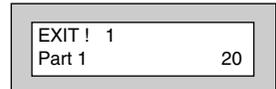## Part Setting System
(using Area 1 to 7 codes)

872

1)　　　　With the display showing:-

```
01  JAN 18 :  58 : 01
```

2)　　　　Enter an Area Code (1 to 7), the exit
　　　　　tone will sound and the display
　　　　　will show for example:-

```
EXIT !   1
All Zones ON          15
```

3)　　　　Press NO then 1, 2 3 (for the Part Set
　　　　　you require), the display will show for example:-

```
EXIT !   1
Part 1                20
```

4)　　　　The exit sounders may or may not go silent
　　　　　this will depend on the system settings.

5)　　　　Exit the premises or retire to an unprotected
　　　　　part of the system. At the end of the exit time
　　　　　either the exit sounder will stop or a single
　　　　　beep will be emitted (dependant on system
　　　　　settings).

Area Setting
(using Master or global Main codes)

872

Areas will need to have been set up by the installation company.

1)   With the display showing:-

```
01  JAN 18 : 58 : 01
```

2)   Enter a Master or global Main code, the
        display will show for example:-

```
Do you want to . .
SET  the  System ?
```

3)   Press YES to start setting the system,
        the exit tone will sound and the display
        will show:-

```
EXIT !   1234567C
All  Zones  ON          30
```

4)   To turn Area 1 Off press YES, 1
        and / or
        To turn Area 2 Off press YES, 2
        and / or
        To turn Area 3 Off press YES, 3
        and / or
        To turn Area 4 Off press YES, 4
        and / or
        To turn Area 5 Off press YES, 5
        and / or
        To turn Area 6 Off press YES, 6
        and / or
        To turn Area 7 Off press YES, 7
        and / or
        To turn the Cleaner Area Off press YES, **0**
        As areas are turned off they will be removed
        from the display.

5)   Exit the premises or retire to an un-protected
        area (as detectors are violated the continuous
        exit tone will change).
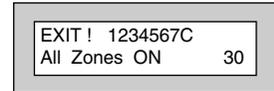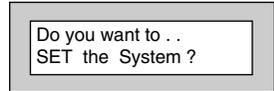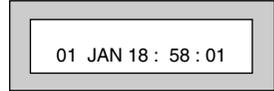
Note: **Areas must first be programmed by the installation company before
        they will appear on the display.**

## Area Setting (using Area codes)

872

Area codes are only effective to their own area with the exception of the cleaner area.
This may be turned off by an area code (only if all areas are in the unset condition).
Use is the same as Setting the system shown on page 6 but only the relevant area will
be set**.**

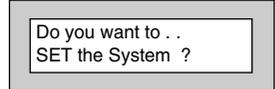## Removing Zones
(Master & Main codes only)

800 **816** **872**

If programmed by the installation company individual zones may be removed, this may only be done by a Master or Main level of code. **It should be noted that if an Area Main code is being used, only zones associated with that area may be removed.**
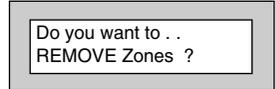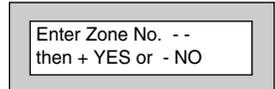
1)   With the display showing:-
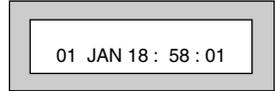
> 01 JAN 18 : 58 : 01

2)   Enter a Master or Main level code,
        the display will show:-
        (User Names on 816 & 872 Only)

> Do you want to . .
> SET the System ?

3)   Press NO, the display will show:-

> Do you want to . .
> REMOVE Zones ?

4)   Press YES, the display will show:-

> Enter Zone No. - -
> then + YES or - NO

5)   Enter the zone number you wish to
        remove followed by YES (pressing
        NO will 'un-remove' a zone), the
        display will show:-

> Enter Zone No. - -
> then + YES or - NO
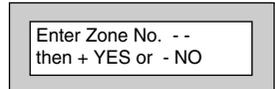
6)   Repeat step 5 until you have removed all
        the required zones.

7)   Press 0 to escape, the display will show:-

> Do you want to . .
> SET the System ?
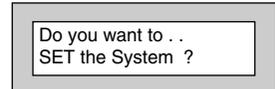
8)   Press YES, the continuous exit tone will
        sound.

9)   Exit the premises via the authorised
        exit route (the exit tone will change as detectors
        are violated). When the premises are secure
        listen that the exit tone returns to the continuous
        tone. Wait until the exit tone finishes before leaving.

Note: Zone remove is only effective for the one set.

Testing The System
<u>(Master & Main codes only)</u>

800 816 872

1)   With the display showing:-

| 01 JAN 18 : 58 : 01 |

2)   Enter a Master or Main level code,
         the display will show:-
         (User Names on 816 & 872 Only)

| Do you want to . .
SET the System ? |

3)   Press NO, the display will show:-

| Do you want to . .
REMOVE Zones ? |

4)   Press NO, the display will show:-

| Do you want to . .
TEST the System ? |

5)   Press YES, the display will show:-
         (This step not applicable on 800 & 872)

| Test ALL Areas ? |

6)   Press YES to test the full system

         or

         NO until the area you wish to test is shown

7)   Press YES, the display will show:-
         for 3 seconds

| 1=Status 4 = Strobe
6 = Sounder   9 = Bell |

         Then for example:-

| < All   Zones   ok >
TESTING . . . |

8)   Pressing 1 will enter zone Status mode (All zones will show on the display
         and will be deleted as each zone is triggered). Press 0 to escape.
         Pressing 6 will silence the internal sounder,
         Pressing 4 will toggle the Strobe On/Off,
         Pressing 9 will toggle the Bell On/Off

9)   Whilst in Test mode any zones violated
          will sound the internal sounder (if it has
          not been silenced) and show on the
          display.

10)   When you have finished testing the
          system press 0 twice, the display will show:-

```
01  JAN 18 : 58 : 01
```
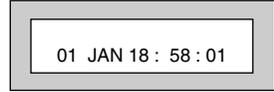
Viewing The Event Log
(Master code only)

800 816 872

1)   With the display showing:-

```
01  JAN    18 : 58 : 01
```

2)   Enter a Master Code, the display
          will show for example:-
          (User Names on 816 & 872 Only)

```
Do you want to  . .
SET the System  ?
```

3)   Press NO three times, the display
          will show:-

```
Do you want to  . .
View the LOG  ?
```

4)   Press YES, the display will show:-
          for 3 seconds

```
While Viewing . . .
1 = Printer  On / Off
```

          Then, for example:-

```
Read Log
   01  JAN 18 :  58 : 01
```

Page 12
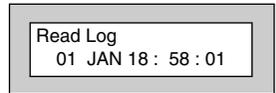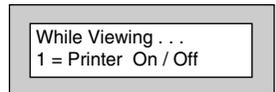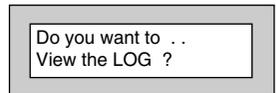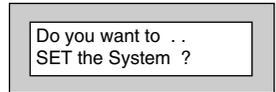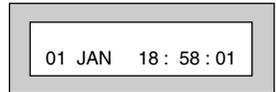
5)   This is the most recent event in the log.

          Whilst viewing the Log,

          Pressing NO will move back to the previous event.

          Pressing YES will move forward to the next event.

          Pressing 7 will take you to back to the last event of
          the previous day.

          Pressing 9 will take you forward to the first event of
          the next day.

          Whilst viewing a zone descriptor, pressing 5 will
          show the zone number

6)   When you have finished viewing the Log press 0 twice
          the display will show:-

> 01 JAN   18 : 58 : 01
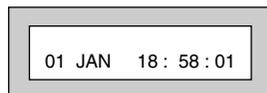
Changing The Chime Status
(Master code only)

800 816 872

The Chime zones will have previously been programmed by the installation company.
A Master level code may change the status of the Chime between On and Off. To do
so proceed as follows:-

1)   With the display showing:-
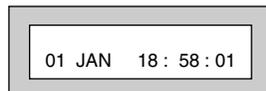
> 01 JAN   18 : 58 : 01

2)   Enter a Master Code, the display will
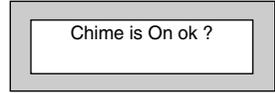   show for example:-
          (User Names on 816 & 872 Only)

> Do you want to . . .
> SET the System ?
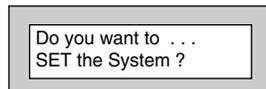
3)   Press NO four times, the display will show:-

> Do you want to . .
> Change Chime ?

4)   Press YES the display will show for example:-

> Chime is Off ok ?

         Or:-

> Chime is On ok ?
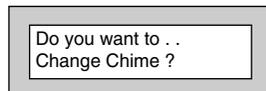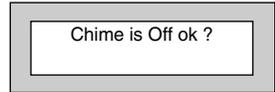
5)   Press NO to change the status of the Chime,
         then press YES, the display will show:-

> Do you want to . .
> Change Chime ?

6)   Press 0 to escape, the display will show:-

> 01 JAN   18 : 58 : 01
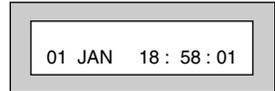
Programming User Codes
(Master code only)

<div style="text-align: right">

800 **816** **872**

</div>

The charts on pages 2 & 41 should be completed by the engineer/user for future reference of what codes have been allocated on your system. **Under no circumstances should the actual user code be written down.**

If your installation company has given you keyswitches for the operation of your system the last five user codes may have been reserved for use by these keyswitches.

If your engineer has indicated (see pages 2 & 44) that some of the user numbers on your system have been reserved you should not use them whilst programming user codes. If you do so your system may be adversely affected
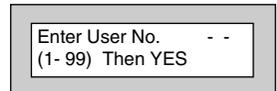
1)   With the display showing:-
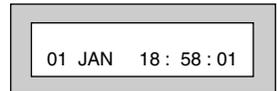
> 01 JAN   18 : 58 : 01

2)   Enter a Master Code, the display will show:-
         (User Names on 816 & 872 Only).

> Do you want to . .
> SET the System ?

3)   Press NO five times, the display will show:-

> Do you want to . .
> Prog. USER CODES ?

4)   Press YES, the display will show:-

> Enter User No.   - -
> (1- 99) Then YES
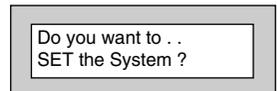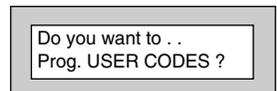
5)   Enter the user number (1 to 99 for 872 or
         1 to 15 for 800/816) that you wish to program
         followed by YES, the display will show:-

> Now Enter Code . .
> - - - - - - Then YES
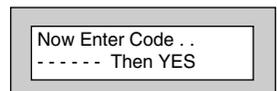
6)   Enter the code you require, (codes may be 4,
         5 or 6 digits) followed by YES.
         (Entering 000000 will delete an existing code)

**Note: If the code already exists an error will be shown,
          choose another code and return to step 6**

7)   The display will show:-
   (not if user 1 is being programmed).

```
Code Type
= Master        ok ?
```
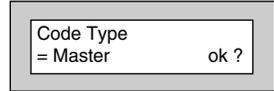
8)   Press NO until the Code Type you require is
         displayed, then press YES. Display will show:

```
Code Group
= None  ok ?
```
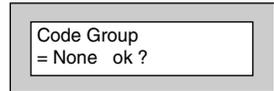
9)   Code Groups are only used in conjunction with
         controlling outputs. This is dealt with in the
         Advanced Code Programming section of this
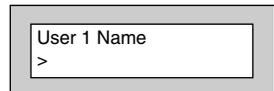   manual, Press YES to accept None.
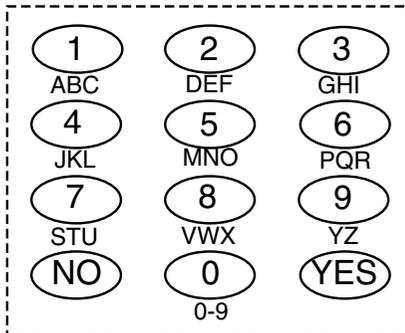
10)   The display will show, for example:-

```
User 1 Name
= User 1
```
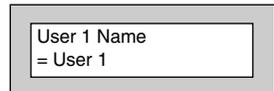
11)   If you wish to accept the name shown press
         YES and jump to step 15

         Or

         If you wish to change the name shown press
         NO, the display will show:-

```
User 1 Name
>
```

12)   You may now enter up to nine characters for
         the user name using the layout shown below
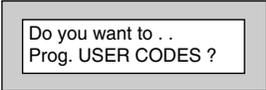   for the allocation of characters.

13)   Referring to the character map enter the required
       character (pressing the 3 key will display 'G', pressing
       it again will show 'H' and again will show 'I '), once
       the correct character is displayed press YES and the
       display will move on to the next position.

14)   Continue entering characters (up to 9). If
       you require a blank space press YES while
       the '-' is displayed

15)   As you press YES for the ninth character
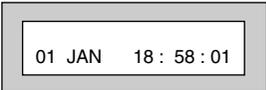   (or if you have jumped from step 9) the
       display will change to:-

```
Do you want to . .
Prog. USER CODES ?
```

16)   If you wish to program other User Codes
       return to step 4

       Or

       Press 0 to return to:-

```
01  JAN     18 : 58 : 01
```

800 816 872

Programming Time & Date

1)   With the display showing:-

```
01  JAN 18 : 58 : 01
```

2)   Enter a Master Code, the display will show:-
        (User Names on 816 & 872 Only).

```
Do you want to . .
SET the System ?
```
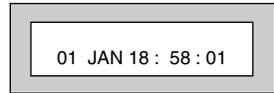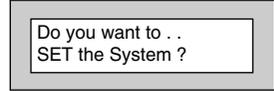
3)   Press NO six times, the display will show:-

```
Do you want to . .
Set DATE / TIME ?
```

4)   Press YES the display will show:-

```
Summer - Adjust is
On   ok  ?
```
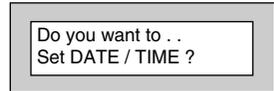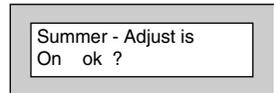
5)   Press YES for Auto Adjust for British Summer
        Time the display will show:-

```
Year is 2006
ok   ?
```
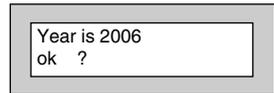
6)   Press NO to change, display will show:-

```
Enter Year
20 - -     Then YES
```
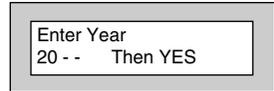
7)   Enter the last two digits of the Year then press
        YES. Display will show:-

```
Year is 2006
ok    ?
```
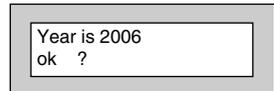
8)   Press YES. Display will show:-

```
Enter Day / Month
- - / - -    Then YES
```
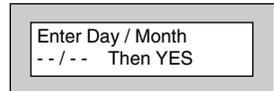
9)   Enter the Date in the form dd/mm followed by
        YES. Display will show:-

```
Enter Hrs : Mins
- - : - -    Then YES
```
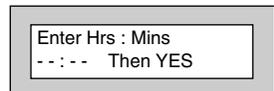
10)   Enter the Time using the 24Hr Clock format then
        YES. Display will show:-

```
Do you want to . .
Set Date / Time ?
```
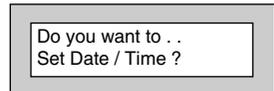
11)   Press 0 to return to Unset.

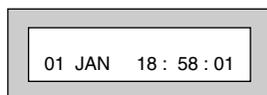## <u>User Initiating Remote Access (Optional)</u>   **800 816 872**

Access Remote allows your installation company to examine your system and re-program system settings as you need the changes without the need for an engineer to visit your premises.

If your system has remote communications fitted your installation company may have programmed the system so that you initialise the Access Remote call (usually on lines with incoming calls barred).
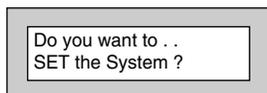
To initiate the Remote Call follow the instructions below.

1)   Negotiate with your installation company when you should
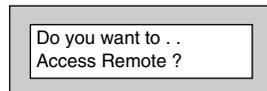   initiate the Remote Call.

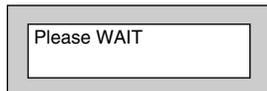2)   With the display showing:-

> 01 JAN   18 : 58 : 01

3)   Enter a Master Code, the display will show:-
         (User Names on 816 & 872 Only).

> Do you want to . .
> SET the System ?

4)   Press NO seven times, the display will show:-

> Do you want to . .
> Access Remote ?

5)   Press YES the display will show:-

> Please WAIT

         Until Dialling commences

         Then:-

> Please WAIT
> Dialling
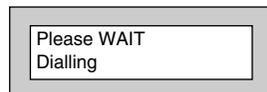
         Until Connection

         Then:-

> Please WAIT
> Connect
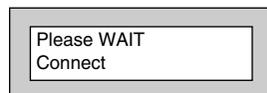
6)   When your installation company has finished
         the display will show:-

> 01 JAN   18 : 58 : 01
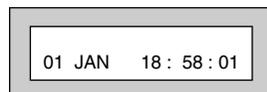
Note: In the event of any errors the display will show:-

> ! ! ! ! ERROR ! ! ! !
> Try Again . . . .
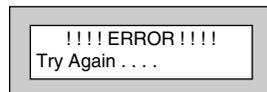
Resetting After an Alarm

Fault and Alarm Displays

Your installation company will have programmed the reset modes for your system so that it complies to your insurance company and legislation requirements.
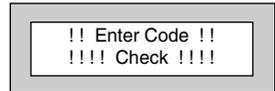
Your installation company will have informed you as to the type of reset that your system is set for.

Before attempting to reset your system ensure that the system is Un-set.

1)　　　In the event of a fault or an alarm occurring the internal sounder will sound. (along with the external bells for a full alarm) The display will show:- (if the system is unset).

> ```
> ! ! Enter Code ! !
> ! ! ! ! Check ! ! ! !
> ```

If the system is set, enter your code to unset it.

2)　　　Press the NO key to view the cause of the Alarm or Fault.

> ```
> <<<< ALARM >>>>
> Press  NO  to  view
> ```
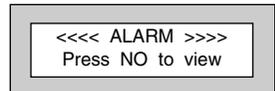
> *Note: If NO is NOT pressed then the alarm status will only be displayed for ten seconds.*

3)　　　The display will then show:- Enter your user code again.

> ```
> ! ! Enter Code ! !
> ! ! ! ! Check ! ! ! !
> ```

4)　　　The display will show:-

> ```
> Do you want to . .
> SET the System  ?
> ```
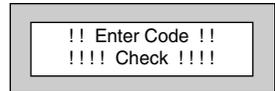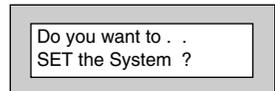
5)　　　Press **0**. The display will show:-

> ```
> <<<< ALARM >>>>
> Press  NO  to  view
> ```
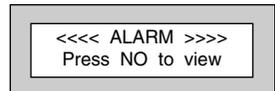
6)　　　Press the NO key to view the cause of the alarm or fault. The display will show, for example.

> ```
> Zone  005  TAMPER
> 01 JAN     18 : 58 : 01
> ```
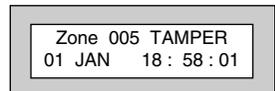
7)　　　If more than one event is present the display will show:-
The right arrow is now indicating that more events are available for viewing.

> ```
> Zone  005  TAMPER
> 01 JAN     18 : 58 : 01 ->
> ```
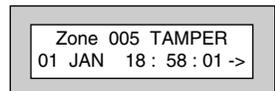
8)   Press the YES key to view the next event and carry on to view any others (if present). When viewing the last event the display will show, for example.
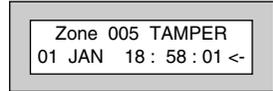
```
Zone 005 TAMPER
01 JAN   18 : 58 : 01 <-
```

The left arrow now indicates that you are at the end of events. The NO key may be used to scroll back the opposite way.

Re-setting the system.

1)   If the system is programmed for <u>Any</u> code reset, enter a **User** code. The display will show:-
        Note: If NO is NOT pressed then the alarm status will only be displayed for ten seconds.

```
<<<< ALARM >>>>
 Press NO to view
```
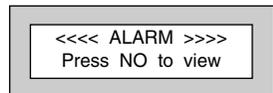
2)   The display will then show:-
        Enter your user code again.

```
! ! Enter Code ! !
! ! ! ! Check ! ! ! !
```

3)   The display will show:-

```
Do you want to . .
SET the System ?
```
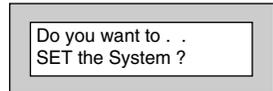
4)   Press YES. The exit tone will sound and the display will show, for example:-

```
EXIT!  1
All Zones ON          15
```
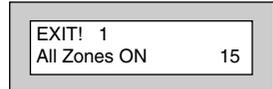
5)   Enter the code again to abort the setting.

6)   The system is now reset
        Or
        If a higher level of code is required one of the following displays will be shown:-

```
Can't Set !  use . .
Master
```
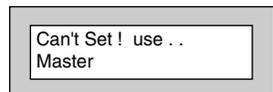
        Use a **Master** code to reset the system.
        Or:-
        Call the installation company
        Or:-
        Call the central station or installation company (as instructed) and quote the number given

```
Can't Set !  use . .
Eng. Code
```

```
Can't Set !  use . .
Eng. +Anti Code 1234
```

        Or:-

```
Can't Set !  use . .
Anti Code 1234
```
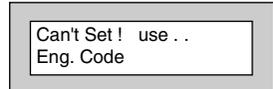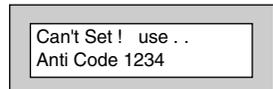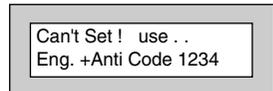
7)   To reset the system with an **Anti-Code**, contact the central station or engineer (as instructed by the installation company) and quote the number given by the display.

8)   The central station or engineer will give a return Anti-Code, (this may contain the YES & NO keys) for example 5, YES, 2, 4.

9)   Enter this Anti-Code into the keypad.

10)   The system is now reset.

Setting Engineer Authorisation

800 **816** **872**

A User Code may be required to authorise an engineer to gain access to the system in the event of service or maintenance schedules. The level of User Code required to authorise the engineer to access the system is set within the User Menu that is accessed via a Master Level Code.

Setting the Engineer Authorisation Level

1)   Enter a **Master** User Code. The display will
        show:-

> Do you want to . .
> SET the System ?
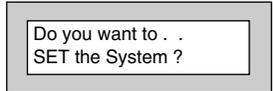
2)   Press NO until the display shows:-
        Then press YES.

> Do you want to . .
> Authorise Engnr ?
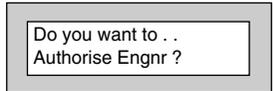
3)   Press NO until the required setting is displayed:-

> Engnr Authorisor
> =Any
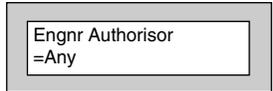
Master, **Main** and **Any** are user code levels. If **None** is selected, no user authorisation will be required to grant engineer access to the alarm system.

4)   Press YES. The display will show:-
        (This option is dealt with later).

> Engineer Access
> is Off Ok ?

5)   Press YES. The display will show:-

> Do you want to . .
> Authorise Engnr ?
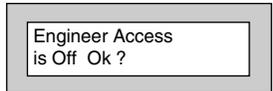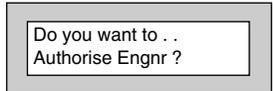
6)   Press 0 to return to:-

> 01 JAN   18 : 58 : 01
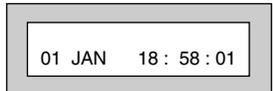
Using Engineer Authorisation

A valid Authorisor code will be required to give an engineer access to the alarm system. This may be done in two ways.

1)   The engineer will enter his/her code. The display
        will show:-

> Enter Authorisor
> Code . . . . . .
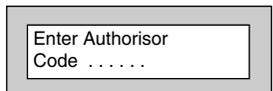
2)   Enter a valid level of User code to grant the engineer access.

<u>Or</u>

1)   Enter a Master User code. The display will show:-

```
Do you want to . .
SET the System ?
```

2)   Press NO until the display shows:-

```
Do you want to . .
Authorise Engnr ?
```

3)   Press YES. The display will show, for example:-

```
Engnr Authorisor
=Any
```

4)   Press YES. The display will show:-

```
Engineer Access
is Off  Ok?
```

5)   Press NO. The display will show:-

```
Engineer Access
is On  Ok?
```

6)   Press YES. The display will show:-

```
Do you want to . .
Authorise Engnr ?
```

7)   Press 0 to return to:-

```
01  JAN     18 : 58 : 01
```

Provided that the next code entered is a valid engineer code, access will be granted to him/her without further user intervention.

Mains Failure

800 816 872

In the event of a Mains Power Failure the display will show:-

```
! !   Enter Code   ! !
! ! ! !   Check   ! ! ! !
```

At this point the system will revert to battery back-up. The battery will only have a limited time that it can sustain the system for.

Note: **Your installation company will have determined what size battery is required to comply with legislation. It is important that your security system is serviced on a regular basis on order that it continues to comply with the legislation. Servicing may also be a requirement of you insurance policy.**

In the event of a sustained power cut the system battery will continue to supply the system until the battery voltage falls to a set point, at this stage the display will show:-

```
Fuse / Bat.        FAULT
 ! ! ! !  Check ! ! ! !
```
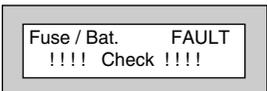
A fault sounder will start, enter a valid User Code to stop the fault sounder.

At this point it is essential that you contact your installation company.

Setting the system with Mains Fail

In the event of a short term power cut, where it is known when power will be restored, (e.g. Engineers working on power lines that affect your premises) it might be necessary to set this system. Please follow the steps outlined below:

1)   With the display showing:-
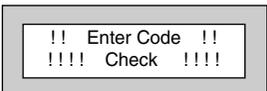
```
! !   Enter Code   ! !
! ! ! !   Check   ! ! ! !
```

Note: *In the event of a mains power failure, the control panel will display that a fault has occurred if the pre-programmed time has been exceeded.*

2)   Enter your **User** code. The display will show:-
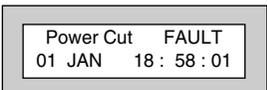
```
Power Cut      FAULT
01 JAN      18 : 58 : 01
```

3)   Enter your **User** code again. The display will then show:-
(Followed by YES if a **Master** or **Main** type code has been used).

```
Power Cut      FAULT
Can't Set !   Check
```
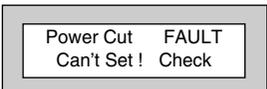
4)   Then press **NO**. The display will show:-
Note: *The display will switch between the EXIT display and the Power Cut FAULT display as the time counts down.*

```
EXIT!   1
All Zones ON              15
```
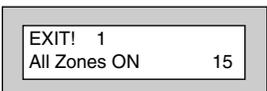
5)   Exit the premises via the authorised exit route.

6)   Once the premises are secure listen (from outside
          the protected area) and wait until the exit tone finishes before leaving.

Re-setting the display after a Mains Fail

Note: *In the event of a Mains Power Failure, the control panel will display that a fault has occurred if the*
             pre-programmed time has been exceeded.

1)   In the event of a mains power failure the display
          will show:-

```
! !   Enter Code   ! !
! ! ! !   Check   ! ! ! !
```


2)   Enter your **User** code. The display will show:-

```
Power Cut    FAULT
01 JAN    18 : 58 : 01->
```
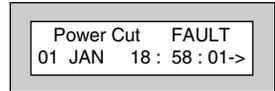
          The right arrow is now indicating that more events are available for viewing.
          Press the YES key to view the next event and carry on to view any others.
          When viewing the last event the display will show,
          for example.
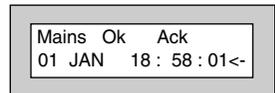
```
Mains  Ok    Ack
01 JAN    18 : 58 : 01<-
```

          The left arrow now indicates that you are at the end of events. The NO key
          may be used to scroll back the opposite way.

3)   Enter your **User** code again.The display will then
          show:-
          (Followed by YES if a **Master** or **Main** type code
          has been used).

```
EXIT!   1
All Zones ON         15
```
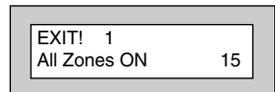

4)   Enter the code again to abort the setting.
          The display will show:-

```
01 JAN    18 : 58 : 01
```
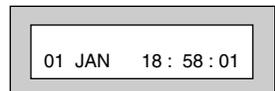
          The system is now reset.

<u>Setting the system with Line Fault</u>

800 816 872

1)   With the display showing:-

> ! !   Enter Code   ! !
> ! ! ! !   Check   ! ! ! !

2)   Enter your **User** code.
          The display will then show:-
          (Followed by YES if a **Master** or **Main** type code
          has been used).

> Phone Line FAULT
> Can't Set ! Check
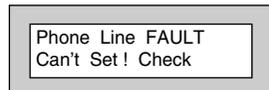
3)   Then press **NO**. The display will show:-
          Note: The display will switch between the EXIT display and the
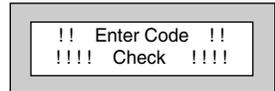   *Phone Line FAULT display as the time counts down.*

> EXIT!   1
> All Zones ON   15

System G-Tag

800 **816** **872**
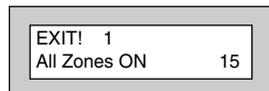
G-Tag Readers are available in three variants, with the reader built into the display area of an LCD RKP, as an Internal Stand alone Reader or as an External Stand alone Reader. When using G-Tag the system may be Set / Unset by presenting a valid Tag to one of the Readers.

Each Tag is programmed onto the system as an individual User Code therefore giving indication via the system Log of who has set and unset the system. As the Tags are a close proximity device the risk of code capture is eliminated.

When programming the G-Tags follow the normal Programming Codes instructions to the point when you are asked for the Code, for example

```
Now Enter Code . .
- - - - - -   Then YES
```

At this point present your G-Tag to the reader and the code will be entered.

If you have more than one reader on your system the G-Tag MUST be programmed onto each of the readers on the same User Number. Because of this it is essential that you use good housekeeping for the G-Tags. Mark each of the G-Tags and record what User Number the G-Tag has been allocated to.

The readers will be allocated to a specific keypad. The G-Tag information is stored in the keypad therefore a single keypad having two readers would only require the G-Tag to be programmed into one of its readers

For multiple keypads with readers the sequence for programming the G-Tags would be.

1)   Enter User Programming Mode.

2)   Choose what User Number you are using (in this case User 2) for G-Tag (A)

3)   Program G-Tag (A) onto the first reader.

4)   At the next Keypad re-enter User Programming Mode.

5)   Choose the same User Number (2).

6)   Program the same G-Tag (A) onto the second reader.

7)   Keep repeating until your G-Tag (A) is programmed onto all readers.

8)   Now move on to G-Tag (B) on User Number 3.

! Remember to mark your G-Tags !

Advanced Code Programming (Control Codes)

872

Codes may be programmed to control Outputs and Unset the system. The Outputs that may be controlled will have been pre-programmed by your installation company and may not be changed by the user. A Master user however does have the ability to allocate the codes (not User No.1) to these Group Outputs

1)   With the display showing:-
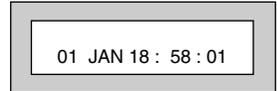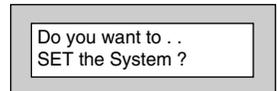
> 01 JAN 18 : 58 : 01

2)   Enter a Master Code, the display may show:-

> Do you want to . .
> SET the System ?

3)   Press NO five times, the display will show:-

> Do you want to . .
> Prog. USER CODES ?

4)   Press YES, the display will show:-

> Enter User No.   - -
> (1- 99)   Then YES

5)   Enter the user number (1 to 99) that you
        wish to program followed by YES, the
        display will show:-

> Now Enter Code . .
> - - - - - -   Then YES

6)   Either enter the User Code you require
        followed by YES

        Or
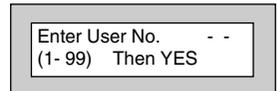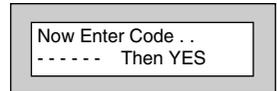
        Present your G-Tag to the Reader

        The display will show:-
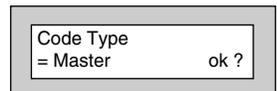
> Code Type
> = Master   ok ?

7)   Press NO until the Code Type you require is
        displayed **(Control)**. Then press YES.
        The display will show:-
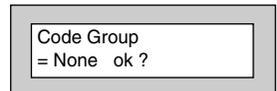
> Code Group
> = None   ok ?

Note: This screen will not appear if User No.1 is being
        programmed. Group Codes are not available for
        User No.1

8)   Press NO until the Grp you wish to control is
displayed. **(For example Grp1)**. Then Press YES.

Note: **If a Code level other than Control has been
chosen the selected Output Group will be
activated each time the code is used. The
use of the code will be as normal for that level
of code.**

           **If a Code level of Control has been selected the
Output Group will be activated each time the code
is entered (or G-Tag presented) and is normally used
in conjunction with a Magnetic Lock for limited
Door Entry capability and may be given an extra
attribute of Can or Can't Unset. A Control Level of
Code can never Set the system.**

9)   If you have chosen a Control level of code
the display will show:-
*(If you are using another level of code and this
screen is not displayed go to step 12)*

```
Control Code
Can   Unset      ok ?
```

Or

```
Control Code
Can't Unset       ok ?
```
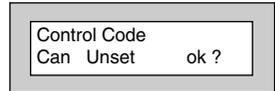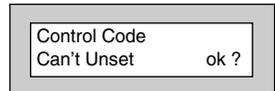
10)   Press NO until the required setting is displayed
then Press YES. If Can Unset was chosen
the display will show:-
*(If Can't Unset was chosen, this screen is not
displayed, jump to step 12)*

```
Assigned Area/s
= 1234567C      ok?
```
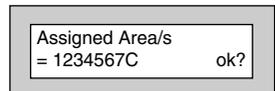
11)   Use the keys 1 - 7 or 0 for C (Cleaner) to toggle
the Area/s you wish to control with this code.
When finished press YES.

12)   If you wish to accept the User Name shown press
       YES and jump to step 17

```
User 02 Name
= User 02
```

       Or

       If you wish to change the User Name shown press
       NO, the display will show:-

```
User 1 Name
>
```
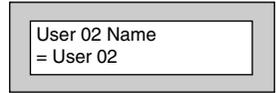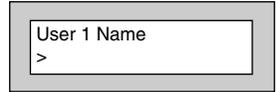
13)   You may now enter up to nine characters for
       the user name using the layout shown below
       for the allocation of characters.
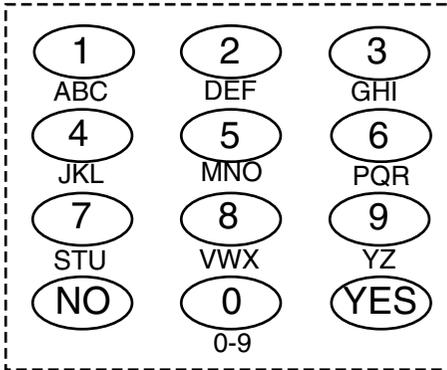
14)   Referring to the character map enter the required
       character (pressing the 3 key will display 'G', pressing
       it again will show 'H' and again will show 'I '), once
       the correct character is displayed press YES and the
       display will move on to the next position.

15)   Continue entering characters (up to 9). If
       you require a blank space press YES while
       the '-' is displayed

16)   As you press YES for the ninth character
       (or if you have jumped from step 12) the
       display will change to:-

```
Do you want to . .
Prog. USER CODES ?
```
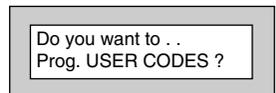
17)   If you wish to program other User Codes
       return to step 4

       Or

       Press 0 to return to:-

```
01  JAN 18 :  58 : 01
```
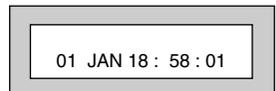
Advanced Setting and Unsetting Using Group Area Codes

872

There are three levels of Group Area Codes.

Group Master   Allows Setting, Part Setting, Area Setting, Zone Remove, System Test, Viewing the Log, Chime On/Off, Program User Codes, Set Time/Date, Unsetting. Will also allow setting/unsetting of individual areas for greater system control

Group Main   Allows Setting, Part Setting, Area Setting, Zone Remove, System Test, Unsetting. Will also allow setting/unsetting of individual areas for greater system control

Group Area   Allows group setting/unsetting/part setting of a selected group of areas. **Note: Is not able to Set/Unset individual Areas**

Group Area Codes are classed as an Advanced User Function as they allow for greater flexibility on systems that are using multiple areas.

An example of this may be when a system has Area 1 already Set, a user with a Group Area Master or Main Code may enter his/her code and change the active areas. This removes the need for an Area Level user to remember more than one Area Code or for a Global Master user to unset an entire system in order to set an extra Area.

In this section we give examples of typical applications for Group Area Codes. Your installation company will give you further information on the scenarios when Group Area Codes may be used on your system.

Setting Using Group Area Code

Follow the instructions as for normal setting. When you are using a Group Area Code only the Area(s) allocated to that code will be set.

Programming Group Area User Codes

872

1)   With the display showing:-

```
01 JAN 18 : 58 : 01
```

2)   Enter a Master Code, the display may show:-

```
Do you want to . .
SET the System ?
```

3)   Press NO five times, the display will show:-

```
Do you want to . .
Prog. USER CODES ?
```

4)   Press YES, the display will show:-

```
Enter User No.      - -
(1- 99)   Then YES
```

5)   Enter the user number (1 to 99) that you
     wish to program followed by YES, the
     display will show:-

```
Now Enter Code . .
- - - - - -   Then YES
```

6)   Either enter the User Code you require
     followed by YES

         Or

     Present your G-Tag to the Reader

     The display will show:-

```
Code Type
= Master          ok ?
```

7)   Press NO until the Code Type you require is
     displayed **(Grp-Mast)**. Then press YES.
     The display will show:-

```
Assigned Area/s
= 1234567C       ok?
```

Note: This screen will not appear if User No.1 is being
            programmed. Group Codes are not available for
            User No.1.

8)   Use the keys 1 - 7 or 0 for C (Cleaner) to toggle
     the Area/s you wish to control with this code.
     When finished, press YES. Display will show:-

```
Code Group
=None   ok ?
```

9)   Press YES.

10)   If you wish to accept the User Name shown press
       YES and jump to step 15.

```
User 02 Name
= User 02
```

Or
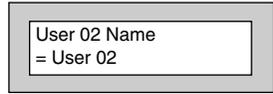
If you wish to change the User Name shown press
NO, the display will show:-
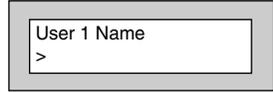
```
User 1 Name
>
```

11)   You may now enter up to nine characters for
       the user name using the layout shown below
       for the allocation of characters.
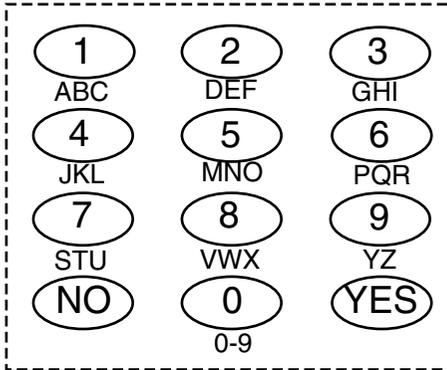
12)   Referring to the character map enter the required
       character (pressing the 3 key will display 'G', pressing
       it again will show 'H' and again will show 'I '), once
       the correct character is displayed press YES and the
       display will move on to the next position.

13)   Continue entering characters (up to 9). If
       you require a blank space press YES while
       the '-' is displayed.

14)   As you press YES for the ninth character
        (or if you have jumped from step 10) the display will
        change to:-

        Do you want to . .
        Prog. USER CODES ?
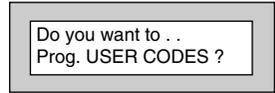
15)   If you wish to program other User Codes
        return to step 4.

        Or

        Press 0 to return to:

        01 JAN 18 : 58 : 01
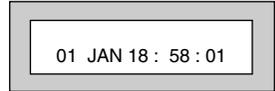
Setting Using Group Master & Group Main Codes   **872**

Group Master & Group Main codes follow global Master & Main codes with respect to the level functionality. The difference lies in the ability to have individual control of the Areas that been allocated to the code.

1)   With the display showing:-

> 01 JAN 18 : 58 : 01
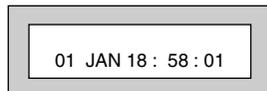
2)   Enter a Group Master or a Group Main Code.
              Display will show:-

> Do you want to . .
> SET the System ?
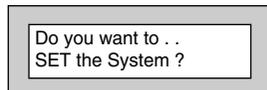
3)   Press YES. Display will show:-
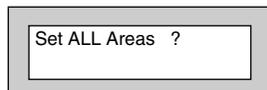
> Set ALL Areas   ?

            If you Press YES the system will start to Set all
            the Areas that have been allocated to this Code.

            Or

            If you Press NO the display will show:-
            (The Areas shown will differ dependant on what
            Areas have been allocated to your Code).

> Set
> Off 1 2 3   Ok ?
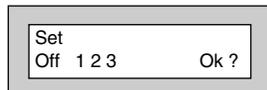
            The Top line shows the Areas that are Set and
            the Bottom line shows the Areas that are Off
            (Unset). Use the 1 - 7 & 0 (*0 for cleaner Area*)
            to toggle the Areas between the Top & Bottom
            line. When you have finished the display may
            show for example:-

> Set 1   3
> Off =   2   Ok ?
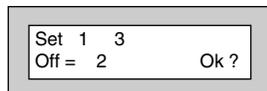
            In this example Areas 1 & 3 will be Set but Area
            2 will remain Off (Unset)

4)   Press YES. The system will start to Set the
            selected Areas.

5)   Leave the premises via an authorised exit route.

Unsetting Using Group Area Code

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Follow the instructions as for normal Unsetting. When you are using a Group Area Code only the Area(s) allocated to that code will be Unset.

Unsetting Using Group Master & Group Main Codes

1)   With the display showing:-
      (Areas 1 & 3 are already Set).

```
01  JAN 18 :  58 : 01
```

2)   Enter a Group Master or Group Main level
      Code. Display will show:-

```
< < SET1  3          > >
Set Area/s  ?
```
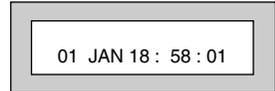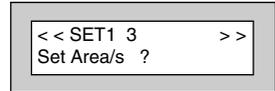
3)   Press NO. Display will show, for example:-

```
Unset ALL Areas ?
```
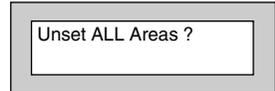
4)   If you wish to Unset all the Areas Press YES
      The system will Unset all Areas.

      Or

      If you wish to Unset just 1 of the Set Areas
      Press NO. Display will show for example:-
      (Areas 1 & 3 are Set).

```
Set  1    3
Off              Ok ?
```
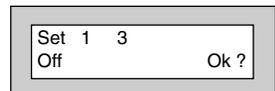
5)   Press the key corresponding to the Area you
      wish to Unset, in this example press 3. The
      display will show:-

```
Set  1
Off =     3      Ok ?
```
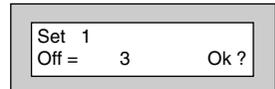
6)   Press Yes when you are happy with your
      selection. Display will now show:-

```
< < SET1           > >
 01  JAN 18 : 58 : 01
```
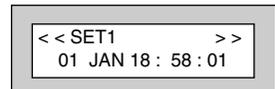
      Area 3 has now been Unset.

7)   After 10 seconds the display will show:-

```
01  JAN 18 :  58 : 01
```
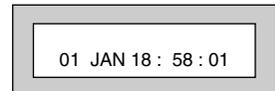
Adding Areas to a System with Area(s) already set - Group Master & Group Main Codes

872

If your system already has an Area or Areas already Set you may add more Area(s) as required.

1)   With the display showing for example:-
      (Area 1 is already Set).
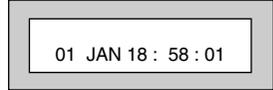
```
01  JAN 18 :  58 : 01
```

2)   Enter a Group Master or Group Main level
      Code. Display will show:-

```
< < SET1           > >
Set Area/s   ?
```

3)   Press YES. Display will show:-

```
Set ALL Area  ?
```
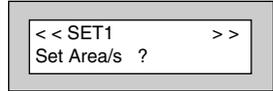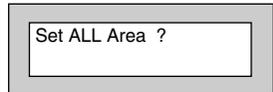
4)   If you Press YES all the remaining Areas
      allocated to Code will be Set.

      Or

      If you Press NO. Display will show:-

```
Set
Off  2 3              Ok ?
```
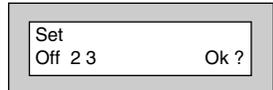
5)   In this example use the 2 or 3 key to add
      Area(s) 2 or 3 to the system Set.

6)   When you are happy with your selection
      Press YES. The Exit sounder will sound then
      the display will show, for example:-

```
< < SET1 3          > >
 01  JAN 18 :  58 : 01
```
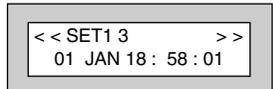
      In this example Area 3 has been added to the Set.

7)   After 10 seconds the display will show:-

```
01  JAN 18 :  58 : 01
```
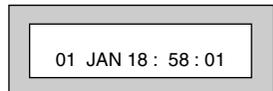
Display Blanking

Dependant on the level of your system and the legislation that it is required to comply with your installation company may have initialised Display Blanking. When this is used the Status of the system will only be indicated on the display for ten seconds after it has been Set and for ten seconds after it has been Unset.

The Status of the system may be shown by following the procedure below. Please note Control Codes or Group codes cannot be used for this feature.

1)   When the system has just been Set the display
        will show for example:-

        For ten seconds

```
< < SET1          > >
  01  JAN 18 :  58 : 01
```
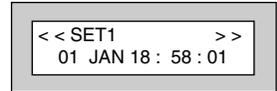
2)   The display will then show for example:-

```
  01  JAN 18 :  58 : 01
```
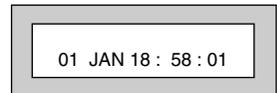
3)   To show the Status of the system Press YES
        The display will show for example:-

```
Press . .
CODE : Show Status
```

4)   Enter a valid Code to display the Status for
        a further ten seconds.

End User Training

It is the responsibility of your Installation Company to provide adequate training for people who will be expected to use the system. If further training is required for new staff etc please contact your Installation Company. This user Manual should be accessible by all people who will be using the system. If extra copies are required the manual may be downloaded from our web-site www.riscogroup.com

Testing /Servicing Your System

The system you have installed will give many years of service but it should be tested and serviced on a regular basis by a qualified installation engineer. It may be a condition of your insurance policy and/or your Police response that it is serviced at regular intervals. For details on service periods for your system please contact your installation company.

Keypad Alert - If Fitted

If programmed by your installation company, the two **PA** keys (if programmed by the engineer), when pressed together will act as alert keys. The exact function will depend on what they have been programmed for. But for example, if they are pro-grammed as panic, pressing them will activate the alarm when the system is set or unset.

Keypad Tamper

The keypad will monitor the number keys that are pressed without a valid User Code being entered. More than 24 key presses will cause a keypad tamper. This will be displayed as Keypad x Tamper and will require a valid User Code entry to stop the sounders. If the system was Unset only the internal sounders will operate. If the system was Set, a full alarm will be generated.

System Tampers

The full security system is tampered, any attempt to remove covers from Keypads, Control Panel, Keypads, Bell Box(es) or detectors will cause a tamper alarm. This also applies to cut cables. If the system is Unset when the Tamper occurs the alarm will be internal sounders only. If the system is Set a full alarm will be generated.

The alarm may be silenced by entering a valid User Code. The system may only be Reset when the Tamper has been cleared, otherwise another Tamper alarm will be generated.

System Attributes

Zone No.	Zone Type	Descriptor(816/872)	Areas(872)	Part Info
Example	E/E	Front Door	1&2	A1 Pt2
1				
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Zone No.	Zone Type	Descriptor(816/872)	Areas(872)	Part Info
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Zone No.	Zone Type	Descriptor(816/872)	Areas(872)	Part Info
93				
94				
95				
96				
97				
98				

Service Record

Date	Comments	Signature

Alarm Reset Type:-   **Tamper Reset Type:-**

Service Company:-

Tel:-   **Fax:-**

User Chart

Please use this chart to indicate what user names have been programmed onto your system and those that are in use.

	In Use	Name		In Use	Name
User 1			User 25		
User 2			User 26		
User 3			User 27		
User 4			User 28		
User 5			User 29		
User 6			User 30		
User 7			User 31		
User 8			User 32		
User 9			User 33		
User 10			User 34		
User 11			User 35		
User 12			User 36		
User 13			User 37		
User 14			User 38		
User 15			User 39		
User 16			User 40		
User 17			User 41		
User 18			User 42		
User 19			User 43		
User 20			User 44		
User 21			User 45		
User 22			User 46		
User 23			User 47		
User 24					

ACE User Instructions

ACE (Advanced Control Equipment) allows control of your Gardtec *800 Series* system via Infrared Remote control. Ace is available built in to a range of keypads or as a stand alone unit, control is via neat remote keyfob(s).

We strongly advise that User Number 1 is not used for ACE in order that the user retains control of the programming functions.
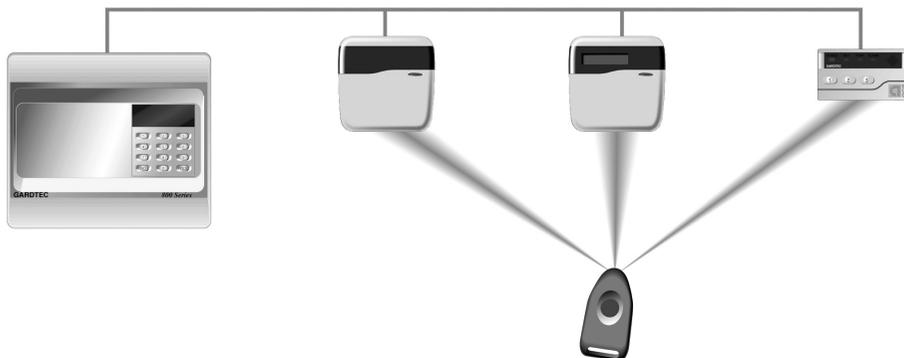
Setting the System with ACE

1)   Point the keyfob at the ACE receiver and press the button.

2)   When the exit tone sounds exit the premises in the usual way.

Part Setting the System with ACE

1)   Point the keyfob at the ACE receiver and press the button.

2)   When you hear the exit tone press the keyfob button again (within 3 seconds) for Part Set 1.

        or

        Press 1, 2 or 3 on the receiver/keypad for the Part Set you require.

Unsetting the System with ACE

1)   Enter the premises via an authorised entry point.

2)   Point the keyfob at the receiver and press the button.

Programming ACE
Keyfobs onto your System

800 **816** **872**

Each keyfob will occupy a User number. The number of keyfobs that may be used is limited by the maximum number of user codes available on the system up to a maximum of fourteen.

1)   Follow the procedure for programming user codes to the point when the user code is entered.

2)   Point the keyfob at the ACE unit and press the button on the fob.

3)   Repeat this procedure for any other fobs you wish to be programmed using a **different user number** each time (e.g. User 1 or User 2 etc.) each time.

4)   If more than one ACE receiver is fitted fobs need to be programmed onto all ACE receivers, **retaining the same user number for each individual fob**.

Note: **When programming the fob onto more than one receiver (on the same system) the button on the fob MUST be held down continuously between programming onto the first and other ACE receivers.**

Note: **In all cases when the ACE is used only Master & Main user levels will allow part setting via the keyfob. Other code levels will only allow part setting in conjunction with the keypad.**

GardTec

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