

# CONCEPT *IQ*



## USER'S MANUAL



**System Details**

**CUSTOMER:** .....

.....

PHONE: ..... FAX: .....

**INSTALLED BY:** .....

.....

PHONE: ..... FAX: .....

**MAINTENANCE & SERVICE:** .....

.....

PHONE: ..... FAX: .....

**MONITORED BY:** .....

.....

PHONE: ..... FAX: .....

**AREAS:** 1 ..... 2 .....

3 ..... 4 .....

**ZONES:** 1 ..... 2 .....

3 ..... 4 .....

5 ..... 6 .....

7 ..... 8 .....

9 ..... 10 .....

11 ..... 12 .....

13 ..... 14 .....

15 ..... 16 .....

## Contents

	<b>System Details .....</b>	<b>2</b>	
<b>1.</b>	<b>Introduction</b>		
1.1	System Overview .....	4	
1.2	Types of Users. Installer, Master & Normal Users. ....	5	
1.3	Default Users .....	5	
<b>2.</b>	<b>The LED Terminal (Operator Terminal)</b>		
2.1	Special key functions. ....	6	
2.2	Beeper indications. ....	6	
2.4	Lamp indications. ....	7	
<b>3.</b>	<b>User Operations</b>		
3.1	Quick Arming .....	8	
3.2	Arming / Dis-arming a Single-Area system. ....	8	
3.3	Arming / Dis-arming Areas in a Multi-Area system. ....	8	
3.4	Arming / Dis-arming individual Areas in a Multi-Area system. ....	9	
3.5	Isolating (Bypassing) Zones and System Inputs .....	9	NEXT 10
3.6	Emergency Alarm activation. -Panic, Fire and Medical Alarms. .	10	
3.7	PIN Code Duress alarm activation .....	10	
3.7	Acknowledge alarms. ....	10	
<b>4</b>	<b>Master Operations</b>		
4.0	Accessing the Operational Modes .....	11	
4.1	Adding / Changing / Deleting Users. ....	12	NEXT 20
4.2	View history. ....	14	NEXT 21
4.3	Walk test mode. ....	14	NEXT 22
4.4	Setting the Real-Time Clock. ....	15	NEXT 23
4.5	Auxiliary Control and Test mode. ....	16	NEXT 24
4.6	Fault Analysis mode. ....	16	NEXT 25
4.7	Zone Self Test display. ....	17	NEXT 26
4.8	Program Telephone numbers. ....	18	NEXT 27
4.9	View Software Version number. ....	19	NEXT 28
4.10	Acknowledge Door Alarms .....	20	NEXT 29
4.11	De-Isolate System Inputs. ....	21	NEXT 90
4.12	Test Siren and Strobe (Auxiliary 1). ....	21	NEXT 91
4.13	Battery test. ....	21	NEXT 92
4.14	Test transmission. (Test report) .....	21	NEXT 93
4.15	Day alarm on / off. ....	22	NEXT 94
4.16	Reset Latching Auxiliaries. ....	22	NEXT 96
4.17	Answer Phone. ....	22	NEXT 97
4.18	Reset Smoke Detectors. ....	22	NEXT 99
<b>5</b>	<b>Telephone Remote Control .....</b>	<b>23</b>	
<b>6</b>	<b>Domestic Dialer Reporting .....</b>	<b>24</b>	
<b>7</b>	<b>System Inputs Table .....</b>	<b>25</b>	
	Notes .....	26	

# 1. Introduction

## 1.1 SYSTEM OVERVIEW

### Your CONCEPT IQ System.

Thank you for purchasing this CONCEPT product.

Your CONCEPT IQ System is part of a product family that has been protecting people and property, controlling personnel access and automating building functions in an enormous variety of premises and industrial sites for over 12 years.

In designing the CONCEPT IQ, Inner Range has used its extensive experience to produce a very affordable alarm system that offers a comprehensive suite of operations and functions particularly suited to domestic and small commercial premises.

In addition to this, the Operator interfaces (The LED Terminal, Remote Key, etc.) and operational procedures have been designed to be simple to use, without compromising the power and flexibility of the system.

### Basic Operation.

Security monitoring in your system is provided by different types of detectors connected into **Zone Inputs**. These are individually programmed to define the requirements for Alarm Processing, Reporting, Siren activation and Testing, etc.

**System Inputs** monitor Faults and System Alarms such as Power Problems, Tampering, Communication Problems, Fuses and Keypad Emergency Alarms (Panic, Fire, Medical & Duress). The Installer enables the Siren and Reporting options for each System Input required.

**Areas.** The system can be configured in Single or Multi Area Mode according to the site requirements. Up to 4 Areas are available and each Area can be Armed in "AWAY" or "HOME" modes. Zone Inputs are assigned to one or more Areas and become active when an Area that they area assigned to, is Armed (turned On). Zone Inputs can also be configured as "**24 Hour**" Zones that are always active. (e.g. For Fire, Panic & Duress alarms)

The LED Terminals can be configured for Multi-Area mode or assigned to a Single Area. **Access Control** operations for up to 4 Doors is also available via the **Enhanced LED Terminals**.

The Siren has a programmable timer and can generate 4 different siren tones for Burglary, Fire, Medical & Panic alarms. System Alarms are differentiated from Zone Alarms by a pulsing siren tone. A **Strobe output** is provided and additional **Auxiliary outputs** can be configured to indicate different types of alarms or system status, provide additional warning of Entry, Exit & Auto-Arm timers, Automatically turn lighting and other appliances on and off, etc.

**System reporting** is via "Contact ID" or "Domestic" dialing options with a Secondary telephone number, Telephone line monitoring and Test reporting for a higher level of system integrity.

**Remote Control** operations can be performed via a telephone when the optional DTMF Card is fitted, and the system can also provide **automation** functions via the 4 TimeZones. These can be used to turn Auxiliaries On and/or Off and to control Areas. The TimeZones include provision for up to 10 Holiday dates and automatic Daylight Saving adjustment is also catered for.

## 1.2 TYPES OF USERS

The system has 2 special Users and 45 normal Users. The system can be configured for 4 digit or 6 digit PIN codes depending on the requirements of the site. The normal Users can each be assigned a "User Type" and their "User Areas" to define the items that they can control and the operations that they can perform.

### Installer - User 1:

The Installer can perform all Installer operations, and all Master operations except for User programming. The Installer can only change their own PIN code.

### Master User - User 2:

The Master User can perform all the Master operations and has access to all Areas.

The Master operations include; Edit Users, View history, Walk test Zones, Set Real-time clock, Siren/Strobe/Auxiliary Testing, Fault Analysis, View Software Version, Test Battery and Door Bell Enable/Disable.

The Master User can also perform all User operations. (This includes Arming / Dis-arming the system, Isolating zones and Acknowledging alarms.)

The Master User automatically has permission to control all the Areas, Zones and Auxiliary outputs in the system. These permissions cannot be changed for User 2.

Any normal User can also be programmed as a Master User if required. In a multi-area system, a normal User programmed as a Master User can only add a new User or edit existing Users who can access a subset of their own Area list.

### Normal Users - User 3 to User 47:

Normal Users can perform a variety of operations such as Arming / Dis-arming , Isolating zones and Acknowledging alarms with various levels of functionality as defined by the User's "User Type".

### DURESS Codes:

Each User in the system has their own unique "Duress" PIN Code. Your Duress PIN Code is the same as your normal PIN Code except that the value of the last digit is increased by 1.

Only the last digit is changed, all other digits of the PIN Code remain the same as the normal PIN.

e.g. If PIN is 3456: 3457 is the Duress Code. If PIN is 3459: 3450 is Duress code.

If PIN is 123456: 123457 is the Duress Code.

## 1.3 DEFAULT USERS:

User 1.	The Installer.
User 2.	The Master User. Factory Default PIN code = 0123 or 012345. <i>See below.</i>
User 3 - User 47.	General Users who can be programmed as Master Users.
User 48.	Reserved for system functions (e.g. Reporting Auto-arming etc.)

The Default Master PIN Code is 0123 if the system is programmed for 4 Digit PIN Codes, or 012345 if the system is programmed for 6 Digit PIN Codes.

This Code should be changed as soon as possible. Ensure that a new Master PIN code is chosen that is secure, but will not be forgotten.

## 2. The LED Terminal

### 2.1 SPECIAL KEY FUNCTIONS

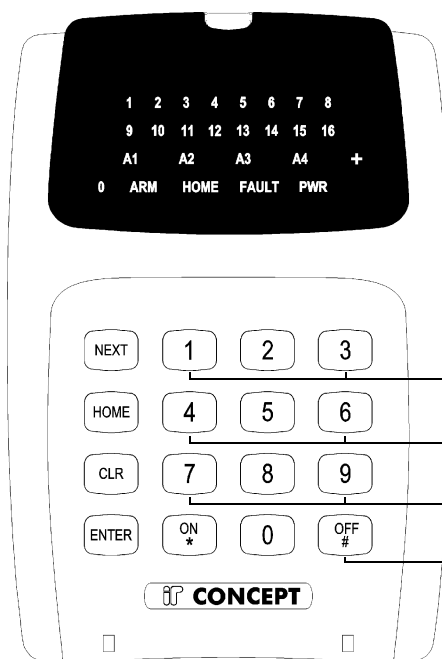
**NEXT** -Select a Master User operation. (Enter PIN code, press <NEXT> then the Mode number.

**HOME** -Used to Arm the system, or an individual Area, in Home Mode.

Master User:

-Used to step through programming Addresses (Users or Telephone numbers)

-Used to toggle between Zone Test modes.



**CLR** -Set the data in the current Address to the Factory Default.  
-Clear the data already entered if you have made a mistake.  
-Logoff the Terminal. (Exit the current Mode of operation)

**ENTER** -Selects the specified programming Address. (After PIN Code and the Address number have been entered)  
-Saves the data entered in a programming Address.

**PANIC.** Keys 1 & 3 pressed simultaneously.

**FIRE.** Keys 4 & 6 pressed simultaneously.

**MEDICAL.** Keys 7 & 9 pressed simultaneously.

**REX.** (Request to Exit) <OFF> Key. (Enhanced Terminals only)

**AUTO-LOGOFF:** The Terminal will automatically logoff the operator if there is no keypad activity detected for 30 seconds.

### 2.2 BEEPER INDICATIONS.

2 or 3 Short Beeps:

A User, Master or Installer function was successful.

1 Long Beep:

A User, Master or Installer function has been unsuccessful.

Continuous Short Beeps\*:

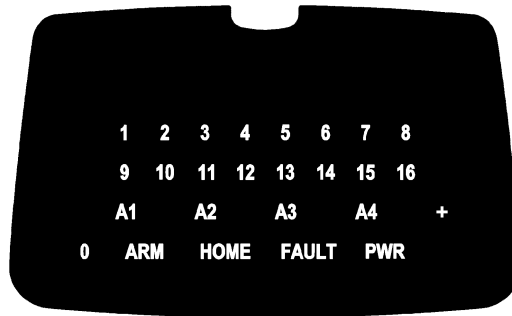
Entry Delay Timer, Exit Delay Timer or Auto-arm Warning.

**\*NOTE:**

**Single Area systems.** All Terminals in the system will beep in response to Exit delay, Entry delay or Auto-arm warnings.

**Multi-Area systems.** Only Terminals associated with a particular Area will beep in response to that Area's warning functions. **IMPORTANT NOTE:** Terminals not associated with an Area will only beep on Area 1 warning functions.

2.3 LAMP INDICATIONS.



Lamp	ON	OFF	FLASHING
<b>ZONE Lamps 1 to 16</b>	When the Zone is Un-sealed. (If the "Zone activity" option enabled)	When the Zone is Sealed.	<u>FAST:</u> * When there has been an Alarm / Tamper on the Zone. <u>SLOW:</u> * When the Zone has been Isolated.
<b>AREA Lamps A1, A2, A3, A4</b>	Area is Armed. (Multi-Area mode only)	Area is Dis-armed.	There has been an Alarm in the Area. (Multi-Area mode only)
<b>ARM</b>	Area/s are armed in normal mode.	System not armed in normal mode.	-
<b>HOME</b>	Area/s are armed in home mode.	System not armed in home mode.	-
<b>FAULT ^</b>	A system input is currently in alarm.	No system inputs are in alarm.	<u>FAST:</u> * A system input has been in alarm and must be acknowledged. <u>SLOW:</u> * When a System Input has been Isolated.
<b>PWR</b>	AC mains OK	AC mains problem.	-
<b>ARM &amp; HOME</b>	-	-	System is in "Isolate" mode. (NEXT, 10)
<b>FAULT &amp; PWR</b>	-	-	System is in "Master Operations" mode. i.e. NEXT functions.
<b>0</b>	Used to display values in programming mode.		

NOTES:

- ^ See "Fault Analysis Lamps" in Chapter 4.6 or the "System Inputs Table".
- \* Alarm indication takes priority over Isolate indication.

## 3. User Operations

### **3.1 QUICK ARMING. (If enabled in your system)**

SINGLE AREA SYSTEM: Enter Area number;  ,  to Arm the system.  
 Enter Area number;  ,  to Arm the system in Home Mode.

MULTI-AREA SYSTEM: Enter Area number;  ,  to Arm the system.  
 Enter Area number;  ,  to Arm the system in Home Mode.

NOTE: If the Terminal is in Single Area Mode, only the Associated Area can be Armed.

### **3.2 ARMING / DISARMING A SINGLE-AREA SYSTEM.**

#### Arming with PIN code (If enabled in your system)

Enter PIN;     ... ,  to Arm the system.  
 Enter PIN;     ... ,  to Arm the system in Home Mode.

#### Disarming the system

Enter PIN;     ... ,  to Dis-arm the system.

### **3.3 ARMING / DIS-ARMING AREAS IN A MULTI-AREA SYSTEM.**

Each LED keypad can be configured for Single-Area Mode or Multi-Area Mode.  
 The Lamps A1, A2, A3 & A4 show when each Area is Armed.

#### Arming the system.

	<u>Single Area Mode</u>	<u>Multi-Area Mode</u>
Enter PIN; <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> ... , <input type="button" value="ON *"/> OR <input type="button" value="HOME"/>	Arms Area assigned to the Terminal.	Arms all Areas in the User's Area List.
Enter PIN; <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> ... , <input type="text" value="0"/> , <input type="button" value="ON *"/> OR <input type="button" value="HOME"/>	Arms all Areas in the User's Area List.	-

#### Dis-arming the system.

Enter PIN; <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> ... , <input type="button" value="OFF #"/>	Dis-arms Area assigned to the Terminal.	Dis-arms all Areas in the User's Area List.
Enter PIN; <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> <input type="text" value="n'"/> ... , <input type="text" value="0"/> , <input type="button" value="OFF #"/>	Arms all Areas in the User's Area List.	-





**3.4 ARMING / DIS-ARMING INDIVIDUAL AREAS IN A MULTI-AREA SYSTEM.**


The LED keypad allows the User to Arm and Dis-arm individual Areas in a Multi-Area system. The Lamps A1 A2 A3 A4 show when each area is armed.

The procedure for Arming an individual Area is the same for Multi-Area and Single-Area mode. The Area selected must be in the User's Area list.

Arming the system.




Enter PIN; [n] [n] [n] [n]... , Area number [n] , then  OR 

Dis-arming the system.

Enter PIN; [n] [n] [n] [n]... , Area number [n] , then 


**3.5 ISOLATING (BYPASSING) ZONE INPUTS AND SYSTEM INPUTS****NEXT 10**

Enter the Isolate Zone mode. (NEXT 10)

Enter PIN; [n] [n] [n] [n]... , then  ,  , 

The <ARM> and <HOME> Lamps will flash together.

Isolate / De-Isolate Zone Inputs or System Inputs.

Enter the Zone Input or System Input number; [n] [n]... (One to Three digits), then .

System Input numbers are listed in the "TABLES" section at the rear of this manual.

When a Zone Input is Isolated, the <Zone Lamp> will flash slowly.

When any System Input is Isolated the <FAULT> Lamp will flash slowly.


To Isolate or De-Isolate more Inputs, simply repeat this step for each Input.

An Isolated Zone Input is De-Isolated by following the same procedure.

When the Input is De-isolated, the Zone Lamp slow flashing will stop.

Isolated System Inputs can only be De-Isolated by the Installer or a Master User Code. (NEXT 90)

Exit the Isolate Zone mode.

Press 

**3.6 EMERGENCY ALARM ACTIVATION. -PANIC, FIRE AND MEDICAL ALARMS.**

Depending on the configuration of the Emergency Alarm options, each different Emergency alarm can activate the Siren and/or the Dialer communications.

Consult with the Installer to determine how each Emergency Alarm will operate.

The Emergency Alarms are activated by pressing two specific keys on the Terminal keypad simultaneously.

PANIC       and  keys pressed at the same time.

FIRE         and  keys pressed at the same time.

MEDICAL     and  keys pressed at the same time.

**3.7 PIN CODE DURESS ALARM ACTIVATION.**

If enabled in your system, this function allows the User to activate the PIN Code Duress alarm while performing any normal LED Terminal operations.

When activated, the system sends a silent Duress report to the Central Monitoring Station. No local indication is provided. *See additional notes on Page 5.*

To activate the PIN Code Duress alarm.

Simply enter your PIN code at an LED Terminal in the normal manner, but increase the last digit of your PIN by a value of 1. NOTE: If the last digit is a 9, then it becomes 0.

e.g. If your PIN code is 3456 then enter 3457. If your PIN code is 3579, enter 3570.

**3.8 ACKNOWLEDGE ALARMS**

Note the details of any alarms.

When an alarm has occurred, the details of the alarm are displayed on the LED Terminal:

- The Zone Lamps will flash fast to indicate the Zone (or Zones) that are in alarm.
- The Area Lamps will flash to indicate the Area (or Areas) in which the alarm has occurred.

Dis-Arm the System.

Follow the normal procedure for Dis-Arming the System.

NOTE: In a Multi-Area System, the Area in which the Alarm has occurred must be Dis-Armed.

Acknowledge the Alarms.

Enter PIN;     ... ,

Performing this operation when the System is Dis-Armed will acknowledge the alarms.

i.e. Clear the alarms from the display.

## Master User Operations

### 4.0 ACCESSING THE OPERATIONAL MODES.

The Default Master Code is 0123. (Or 012345 is system is configured for 6 Digit PIN codes)  
 This Code should be changed as soon as possible after installation.  
 When choosing a new Master Code, ensure that a PIN code is chosen that will not be forgotten,  
 while still providing security against unauthorised access.

Master User Operations require the User to Access a number of different Operational Modes.  
 This is done by entering a valid Master PIN code, then pressing the <NEXT> key before selecting  
 the 2-digit Mode number. e.g.

Enter PIN;    ... , then  , then the Mode number;  ,

This key sequence must be used to access all Operational Modes described in this section.  
 The descriptions of each operation will only show the key sequence <NEXT>, n, n. when showing  
 how to access the Operational mode required. Remember that this is preceded by the PIN code.

#### Master Operations Mode Indication.

The <FAULT> and <PWR> Lamps will flash together to indicate that the system is in Master User  
 Operational Modes.

#### Exiting the Master User Operations.

Press  to exit any of the Master Operations.

4.1	Adding / Changing / Deleting Users. ....	NEXT 20
4.2	View history. ....	NEXT 21
4.3	Walk test mode. ....	NEXT 22
4.4	Setting the Real-Time Clock. ....	NEXT 23
4.5	Auxiliary Control and Test mode. ....	NEXT 24
4.6	Fault Analysis mode. ....	NEXT 25
4.7	Zone Self Test display. ....	NEXT 26
4.8	Edit Telephone numbers. ....	NEXT 27
4.9	View Software Version number. ....	NEXT 28
4.10	Acknowledge Door Alarms. ....	NEXT 29
4.11	De-Isolate System Inputs. ....	NEXT 90
4.12	Test Siren speaker and Strobe (Aux. 1). ....	NEXT 91
4.13	Battery Test. ....	NEXT 92
4.14	Test Transmission. (Test report) ....	NEXT 93
4.15	Day Alarm on / off. ....	NEXT 94
4.16	Reset Latching Auxiliaries. ....	NEXT 96
4.17	Answer Phone ....	NEXT 97
4.18	Reset Smoke Detectors. ....	NEXT 99

**4.1 ADDING / CHANGING / DELETING USERS.****NEXT 20****ADDING OR CHANGING A USER****1. Enter the User Editing Mode.**Press  ,  ,  .**2. Enter the User number to be changed.**Press  , then the User number   (User 2 to User 47), then 

The User number will be displayed on the Terminal via the Zone Lamps.

**NOTE:** If the User number is greater than 16, the first digit will be displayed via a flashing Zone Lamp. If you need to check the User number, press  to view the second digit.

**3. Enrol the User's Access Card. (If required)**

Present the Card at any Access Reader in the system within 30 seconds of selecting the User number.

Three short beeps will sound to confirm that the Card has been enrolled and assigned to the selected User.

If the Card is already assigned to another User, or is not recognised by the system, one long beep will sound to indicate a problem.

**4. Enter the new PIN Code.**Press  , then the new PIN number     ... (4 or 6 digits), then 

Three short beeps will sound to confirm the PIN number has been programmed.

If the PIN is rejected, one long beep will sound to indicate a problem.

**5. Assign the User Type.**Press Press  , then the new User Type number  , then 

USER TYPE: 0	Arm only	Can only Arm the system.
1	Arm/Dis-arm	Can Arm and Dis-arm the system.
2	Arm/Dis-arm/Isolate	Can Arm/Dis-arm the system and Isolate Zones.
3	Master	Can perform all operations above & Master User Operations.

2 beeps will sound to confirm the new User Type has been programmed.

6. Assign the User Area or Areas. (Only required if you have a Multi-Area System)

Press **HOME** (A long beep will sound if the System is not in Multi-Area mode)

Then for each Area that is to be assigned to this User,

Press **ON \***, then an Area option number **'n'**, then **ENTER**

- OPTION:
- 0 All Areas De-selected.
  - 1 General Area (Single Area Mode) or Area 1 (Multi-Area Mode) selected.
  - 2 Area 2 selected
  - 3 Area 3 selected
  - 4 Area 4 selected

When access control is provided, Area assignment also determines which Doors a User may access. Access is only granted at Door/s associated with the User's Area/s.

2 beeps will sound to confirm the new Area Option has been selected.

e.g. If Area 1 and Area 3 are to be assigned to the User;  
Press **<\*>**, 1, **<ENTER>**; **<\*>**, 3, **<ENTER>**.

To change another user simply repeat steps 2 to 7.

ADD / DELETE USERS

**DELETING A USER**

1. Enter the User Editing Mode.

Press **NEXT**, **2**, **0**.

2. Enter the User number to be changed.

Press **OFF #**, then the User number **'n'** **'n'** (User 2 to User 47), then **ENTER**  
The User number will be displayed on the Terminal.

3. Delete the User.

Press **ON \***, then **ENTER** to delete the PIN code and/or Card data for this User number.


**4.2 VIEW HISTORY.****NEXT 21****1. Enter the View History Mode.**

Press , , .

The most recent event will be displayed first. Up to 128 Events are stored in the History.

**2. View the other Events.**

Press  to view the Next Event.

Press  to view the Previous Event.

If there are no further events to be displayed, one long beep will sound.

**History Event Types.**

Arm	<ARM> Lamp.
Armed in Home Mode	<HOME> Lamp.
Dis-arm	<ARM> and <0> Lamp.
Zone Input in alarm	<Zone 1> to <Zone 16> Lamp.
System Inputs in alarm	<0> Lamp.


**4.3 ZONE TEST.****NEXT 22****1. Enter the Zone Alarm Test Mode.**

Press , , .

In Alarm Test Mode, any Zone Input in the Terminal's Associated Area that goes into the Alarm (or Un-sealed) state will cause:

- The corresponding Zone Lamp to fast flash.
- The Siren to sound for 3 seconds.
- The Terminal beeper to emit a short beep.

**2. Select Zone Tamper Test.**

Press  to switch between Alarm Test Mode and Tamper Test Mode.

In Tamper Test Mode, any Zone Input in the Terminal's Associated Area that goes into the Tamper state will cause:

- The corresponding Zone Lamp to slow flash.
- The Siren to sound for 3 seconds.
- The Terminal beeper to emit a short beep.

NOTES: While in the Zone Test Mode, the <HOME> key can be used to toggle between the Alarm Test Mode and the Tamper Test Mode at any time.

**4.4 SET THE REAL-TIME CLOCK.****NEXT 23****1. Enter the Real-Time Clock Programming Mode.**

Press  ,  ,  .

**2. Enter the current Time and Date.**

Press  , then the Time & Date data:      ... (11 digits), then

The date and time are stored in the following order: mm:hh ; DD:MM:YY ; d  
i.e. Minute, Minute; Hour, Hour; Day, Day; Month, Month; Year, Year; Day Of Week:

<u>TIME &amp; DATE</u>		<u>DAY OF THE WEEK</u>	
Minute	(00 - 59)	Sunday	1
Hour	(00 - 23)	Monday	2
Day	(01 - 31)	Tuesday	3
Month	(01 - 12)	Wednesday	4
Year	(00 - 99)	Thursday	5
		Friday	6
		Saturday	7

e.g.

TIME & DATE:	DATA STRING:
1) 07:24 AM, Monday, June 5, 2001	2,4,0,7,0,5,0,6,0,1,2, <ENTER>
2) 05:15 PM, Thursday, September 20, 2001	1,5,1,7,2,0,0,9,0,1,5, <ENTER>

**3. View the current Time and Date.**

After entering the Real Time Clock Programming Mode, the first digit (Tens of seconds) of the Time and Date Data will be displayed on the Terminal Zone Lamps.

Press the  key to step through the 13 digits in the Time and Date Data.

e.g. Using the Time and Date in Example 1 above, the following data will be displayed:

<NEXT> 23 1st digit of "Seconds" will be displayed.  
<NEXT> 2nd digit of "Seconds" will be displayed.  
<NEXT> 2 will be displayed. (minute)  
<NEXT> 4 will be displayed. (minute)  
<NEXT> 0 will be displayed. (hour)  
<NEXT> 7 will be displayed. (hour)  
etc.

When the end of the data is reached, a long beep will sound to indicate there are no more characters to display, and the first digit will again be displayed.

**IMPORTANT NOTE:** In the event that power is completely removed from the Control Module (i.e. Both the AC input and the Battery are disconnected), when power is restored, the Real-Time Clock will need to be re-programmed to the current Time and Date

**4.5 AUXILIARY CONTROL AND TEST MODE.****NEXT 24****1. Enter the Auxiliary Control and Test Mode.**

Press  ,  ,  .

**2. Change the State of an Auxiliary Output.**

Enter the Auxiliary Output number   (1 or 2 digits);

then Press:  to turn the Auxiliary ON.

OR  to turn the Auxiliary OFF.

If necessary (e.g. When testing the Auxiliary), remember to return the Auxiliary to it's original state before exiting Auxiliary Control and Test Mode.

**4.6 FAULT ANALYSIS MODE.****NEXT 25****1. Enter the Fault Analysis Mode.**

If the <FAULT> Lamp is ON, Press  ,  ,  .

The Zone Lamps on the Terminal are used to display the Faults and Alarms. *See following table.*

**2. Note the details of any System Inputs currently still in Alarm.**

System Inputs that are currently in Alarm will be indicated by Fast flashing on the relevant Zone Lamp. These Alarms cannot be acknowledged until the problem is rectified.

**3. Acknowledge any previous Faults and Alarms.**

Press  . System Inputs that have been in Alarm but subsequently restored since the last Acknowledgement will be indicated by Slow flashing on the relevant Zone Lamp. Note the details of the Alarm/s displayed.

Press  to Acknowledge and Clear any of the Faults or Alarms that are not currently in Alarm. This will also cancel the Siren if activated.

When a Fault or Alarm has been Acknowledged, the corresponding Zone Lamp will be turned OFF.

If all System Inputs have been Acknowledged the <FAULT> Lamp will be turned OFF.

**IMPORTANT NOTES:**

- 1) Press  to toggle between the "Current Alarms" & "Previous Alarms" displays.
- 2) Zone self test (Lamp 10) can only be cleared from "Zone Self Test Display" Mode (NEXT 26).
- 3) Door Alarm (Lamp 15) can only be cleared from "Acknowledge Door Alarms" Mode (NEXT 29).



**FAULT ANALYSIS LAMPS**

## LAMP

1	AC Fail.	9	Keypad lockout.
2	Low battery.	10	Zone self test.
3	Cabinet Tamper.	11	Keypad Medical Alarm.
4	Siren monitor.	12	Keypad Panic Alarm.
5	PWR fuse.	13	Keypad Duress Alarm.
6	Battery fuse.	14	Keypad Fire Alarm.
7	Comms fail.	15	Door Alarm.
8	System reset.	16	Program Change.

**4.7 ZONE SELF TEST DISPLAY.****NEXT 26****1. Enter the Zone Self Test Display Mode.**

If a Zone Input fails the Zone Self Test, the <FAULT> Lamp will be displayed on the Terminal. "Fault Analysis Mode" (NEXT 25) will also display the "Zone Self Test fail" Lamp (Zone 10).

To view the Zone or Zones that have failed the Zone Self Test, Press  ,  ,  .

**2. Note the details of any Zones that have failed the Zone Self Test.**

The Zone 1 to Zone 16 Lamps will indicate any Zones that have failed the Zone Self Test so that appropriate action may be taken. e.g. A detector fault may need to be rectified by the Installer.

**3. Acknowledge the Zone Self Test fault.**

Press  to acknowledge any Zone Self Test faults.








When a Zone Self Test fault has been acknowledged, the corresponding Zone Lamp will turn OFF, and the "Zone Self Test fail" Lamp <Zone 10> in "Fault Analysis Mode" will also be cleared.

If all System Inputs have been acknowledged the <FAULT> Lamp will be turned OFF.

**4.8 PROGRAM THE TELEPHONE NUMBERS.****NEXT 27****1. Enter the Telephone number programming Mode.**


Press , , .

**2. Program the new Primary Telephone number.**

Press , then the Telephone number      ... (Up to 15 digits), then .  
The digits are entered according to the following table.


<u>Telephone number digit to program:</u>	<u>0 to 9</u>	<u>#</u>	<u>*</u>	<u>Pause (1 Second)</u>
Key to Press on keypad:	0 to 9	#	*	<NEXT>
Value displayed on Zone Lamps:	0 to 9	10	11	12


e.g. Telephone number: 1 Pause 1234 5678 is entered by the key sequence:  
<\*>, 1, <NEXT>, 1, 2, 3, 4, 5, 6, 7, 8, <ENTER>

If a mistake is made while keying in the Telephone number digits, press  to clear all the digits entered and start keying in the number again.

3 beeps will sound to confirm the new Telephone number has been programmed.  
If the Telephone number was rejected, one long beep will sound to indicate a problem.

**3. View the Telephone number.**

After entering the Telephone number Programming Mode, Press .  
The first digit of the Telephone number will be displayed on the Terminal Zone Lamps.

Press the  key to step through all the digits in the Time and Date Data.








e.g. Using the Telephone number example "1 Pause 1234 5678", the following data will be displayed:

<ENTER> 1 will be displayed.  
<NEXT> 12 will be displayed.  
<NEXT> 1 will be displayed.  
<NEXT> 2 will be displayed.  
etc.

When the end of the Telephone number is reached, 3 short beeps will sound to indicate there are no more digits to display, and the first digit (1 in this example) will again be displayed.

**4. Program a new Secondary Telephone number. (Optional)**

Press  and wait for the Terminal to sound a short beep.

Press , then the Telephone number      ... (Up to 15 digits), then .

The digits are entered in the same manner as described for the Primary Telephone number.  
If a mistake is made while keying in the Telephone number digits, press  to clear all the digits entered and start keying in the number again.

3 beeps will sound to confirm the new Telephone number has been programmed.  
If the Telephone number was rejected, one long beep will sound to indicate a problem.

While in the Secondary Telephone number programming Mode, the number can be viewed as described in Step 3.

#### 5. Program a new Callback Telephone number. (Optional)

Press  and wait for the Terminal to sound a short beep.

The Callback Telephone number is Programmed and Viewed as described for the Primary and Secondary Telephone numbers.

After the Callback number has been Entered and/or Viewed, pressing  again will return to Primary Telephone number programming if required.  
Otherwise, press  to exit Telephone number programming.

A long beep will sound indicating that there are no more phone numbers to program.

### **4.9 VIEW THE SOFTWARE VERSION NUMBER.**

### **NEXT 28**

#### 1. Enter the View Software Version number Mode.

To view the current Software Version number on the Terminal, press , , .

The 1st digit of the 4-digit Version number is displayed by the corresponding Zone Lamp flashing.

#### 2. View the Software Version number.

To display each of the remaining digits of the Version number press the  key.  
When the last digit is displayed, and the <NEXT> key is pressed, a long beep will sound and the first digit will again be displayed.

e.g. If the version number is V 1.0.0.3  
<NEXT>, 2, 8. Zone 1 will be flashing  
<NEXT> 0 will be flashing  
<NEXT> 0 will be flashing  
<NEXT> Zone 3 will be flashing  
<NEXT> Long beep will sound and Zone 1 will be flashing again.

**4.10 ACKNOWLEDGE DOOR ALARMS.****NEXT 29****1. Enter "Acknowledge Door Alarm" Mode.**

If Zone Lamp 15 on the Terminal indicates a Door Alarm when in "Fault Analysis Mode" (NEXT 25), one or more Door Alarms need to be acknowledged.

Press  ,  ,  .

**2. Acknowledge any Door Alarms.**

Door Alarms will be indicated by the relevant Zone Lamp 1 to 4.  
Note the details of the Alarm/s displayed.

Press  to Acknowledge any Door Alarms.

When a Door Alarm has been Acknowledged, the corresponding Zone Lamp will be turned OFF.

If all System Inputs have been Acknowledged the <FAULT> Lamp will be turned OFF.

#### **4.11 DE-ISOLATE SYSTEM INPUTS.**

**NEXT 90**

When necessary, System Inputs may be manually isolated (via NEXT 10). This might be the case when a system fault has been detected, appropriate action is being taken and the Alarm no longer needs to be displayed.

If any System Inputs are Isolated, this is indicated by the <FAULT> Lamp Slow Flashing. When the fault has been rectified, this operation allows any Isolated System Inputs to be re-enabled.

To De-isolate any System Input that has been manually Isolated, Press  ,  ,  .

The Slow flashing on the <FAULT> Lamp will stop.

#### **4.12 TEST SIREN AND STROBE (AUX. 1)**

**NEXT 91**

This operation typically instructs the Control Module to activate the Siren & Strobe for 3 seconds.

(Note that Siren and Strobe activation will depend on how the devices are connected and programmed. If in doubt, consult your installer)

#### **4.13 BATTERY TEST.**

**NEXT 92**

This operation instructs the Control Module to switch off the battery charger for 5 seconds so the battery voltage can be tested.

If the battery is above 11.2V, the Terminal will beep 3 times at the end of the test period.

If the battery voltage is low, the Terminal will sound one long beep at the end of the test period and you should contact your installer/maintenance technician.

(Note that the system can be programmed by the installer to do an automatic battery test every 8 hours.)

#### **4.14 TEST TRANSMISSION.**

**NEXT 93**

This operation will instruct the Control Module to send a test transmission to a central station or a domestic telephone number.

When transmitting to a Central Station in Contact ID format, Event Code 602 is sent.

**4.15 DAY ALARM ON / OFF.****NEXT 94**

This operation dis-ables and enables the Day Alarm function.

If the Day Alarm is programmed to operate then this operation will disable it.  
If the Day Alarm has been disabled, this operation will re-enable it.

NOTE: If Disabling, if the Day Alarm is currently On, it will turn Off.  
If Enabling, the Day Alarm will turn On for the programmed timer period.

**4.16 RESET LATCHING AUXILIARIES.****NEXT 96**

This operation will reset any Auxiliaries that are a "latching" type, and any Auxiliaries that are currently On with a timer running. (i.e. Auxiliaries that don't have an "Off" function programmed.)

**4.17 ANSWER PHONE.****NEXT 97**

This operation will cause the Control Module to answer an incoming telephone line call when connection is required for remote programming.

IMPORTANT NOTE: THIS OPERATION IS ONLY TO BE USED WHEN INSTRUCTED TO DO SO BY THE INSTALLER OR MAINTENANCE TECHNICIAN.

**4.18 SMOKE DETECTOR RESET.****NEXT 99**

Smoke Detectors connected to your system may be of the "Latching" type. These smoke detectors need to be reset after they have been triggered into alarm.

This operation instructs the Control Module to activate the Smoke Detector Reset Auxiliary, to perform the reset function on any latching smoke detectors. The Auxiliary will automatically turn off after a time period (usually only a couple of seconds) programmed by the installer.

Consult your installer to ascertain whether your system requires use of this operation.

## 5. Telephone Remote Control

Consult your installer to ascertain whether your system has Telephone Remote Control enabled.  
(Telephone Remote Control requires the DTMF Card to be fitted to the Control Module)

### TELEPHONE KEY FUNCTIONS:

The following Telephone Keys are used to perform the specified LED Terminal functions:

IMPORTANT NOTE: Use short key presses. If keys are held down they may register as multiple presses.

<\*> Arm / On  
<#> Disarm / Off  
<9> NEXT

### OPERATION:

Call the system and Logon: System Telephone Number: .....

- 1) Dial the telephone number of the system from a Touch-tone (DTMF) telephone or mobile phone.
- 2) When the Control Module answers you will hear a brief tone.
- 3) When the line is quiet, enter your PIN Code on the telephone keypad.

#### 4.1) To Arm or Disarm the System:

To Arm:	-All Areas in your Area List.	Press <*>
	-A specific Area.	Press <Area Number>, <*>
To Disarm:	-All Areas in your Area List.	Press <#>
	-A specific Area.	Press <Area Number>, <#>

e.g. To Arm Area 2. Press: 2, <\*>.

The Control Module will then reply with a Status message:

- A series of Beeps of the same tone to indicate the operation was successful.
- A series of Beeps of 2 different tones to indicate the operation could not be performed.

### IMPORTANT NOTE:

You MUST wait to here the Status message beeps before attempting another command.

#### 4.2) To Control an Auxiliary Output:

- a) Select Auxiliary Control Mode: Press <9>, then 24 (Auxiliary Control & Test Mode)
- b) Turn an Auxiliary On: Press <Auxiliary Number>, <\*>  
Turn an Auxiliary Off: Press <Auxiliary Number>, <#>  
e.g. To Turn Auxiliary 3 Off. Press: 3, <#>.
- c) Logout of Aux Control Mode: Press <#>. (If this is not done before hanging up, you must wait at least 30 seconds before calling the system again)

No Status message beeps are sent for Auxiliary control operations.

## 6. Domestic Dialer reporting

Consult your installer to ascertain whether your system has Domestic dialing enabled. If the system is programmed to report to a Central Monitoring Station, Domestic dialing cannot be enabled.

### OPERATION:

When the alarm signal is received by the remote Telephone, the Telephone user will hear:

- Beeps of the same tone to indicate an Area Opening or Closing event.
- Beeps of 2 different tones to indicate an Alarm Event.

The alarm is acknowledged by the receiving telephone answering the call.

The Telephone User does not have to perform any operation to acknowledge the alarm. Once the alarm signal is heard, the User can simply hang-up the telephone.

### IMPORTANT NOTE:

- Once the receiving telephone has answered the call, the alarm message is regarded as being acknowledged and will not be sent again, regardless of whether a User has heard the alarm signal or not.
- This means that if an Answering Machine, Fax machine or similar device answers the call, the alarm will still be regarded as being acknowledged.
- If this feature is used, care must be exercised in selecting appropriate telephone numbers to ensure that the alarm signal will be heard by an appropriate User.



## 7. System Inputs Table

System Inputs are mapped to the following Input Numbers.

ALARM	I/P No.	Zone Lamp	DESCRIPTION
AC Fail	101	1	The AC mains has failed, or has been absent for more than the AC Fail delay time.
Low Battery	102	2	Battery voltage is too low to provide backup power if AC fails.
Cabinet Tamper	103	3	Un-authorized removal of cabinet cover or removal of the cabinet from it's mounting surface.
Siren Monitor Alarm	104	4	The Siren speaker is disconnected from the Control Panel.
LAN Fuse fail	105	5	LAN fuse has blown. Short circuit or over-current condition.
Battery Fuse fail	106	6	Battery fuse has blown. Short circuit or over-current condition.
Comms Fail	107	7	System failed to report.
System Reset	108	8	The system has been powered down and powered up again
Keypad Lockout	109	9	System has registered 5 incorrect PIN code attempts in a row.
Zone Self Test Fail	110	10	One or more Zone Inputs have failed the Zone Self Test
Keypad Medical Alm	111	11	The Medical Alarm has been activated on a Terminal keypad.
Keypad Panic Alarm	112	12	The Panic Alarm has been activated on a Terminal keypad.
Keypad Duress Alarm	113	13	A Duress PIN code has been entered on a Terminal keypad.
Keypad Fire Alarm	114	14	The Fire Alarm has been activated on a Terminal keypad.
Programming Change	115	16	There has been a programming change in the system database
Door Alarm. Door 1	116	15	"Door Forced" or "Door Held" Condition on Door 1.
Door Alarm. Door 2	117		"Door Forced" or "Door Held" Condition on Door 2.
Door Alarm. Door 3	118		"Door Forced" or "Door Held" Condition on Door 3.
Door Alarm. Door 4	119		"Door Forced" or "Door Held" Condition on Door 4.
Test Report	120	-	A Test report transmission has been sent.

NOTES

NOTES

## DISCLAIMER

1. While every effort has been made to ensure the accuracy of this manual, the manufacturer and/or its agents assume no responsibility or liability for any errors or omissions. Due to ongoing development and product improvements, the contents of this manual are subject to change without notice.

2. This manual describes many optional features that may or may not be utilized in a particular system. Optional features generally require additional programming and/or installation of additional hardware. Consult the Installer for details of features and functions available in your system.