

# MAIN MANUAL

GB



*-with image verification*



## Contents

- Configuration
- Operation

electia

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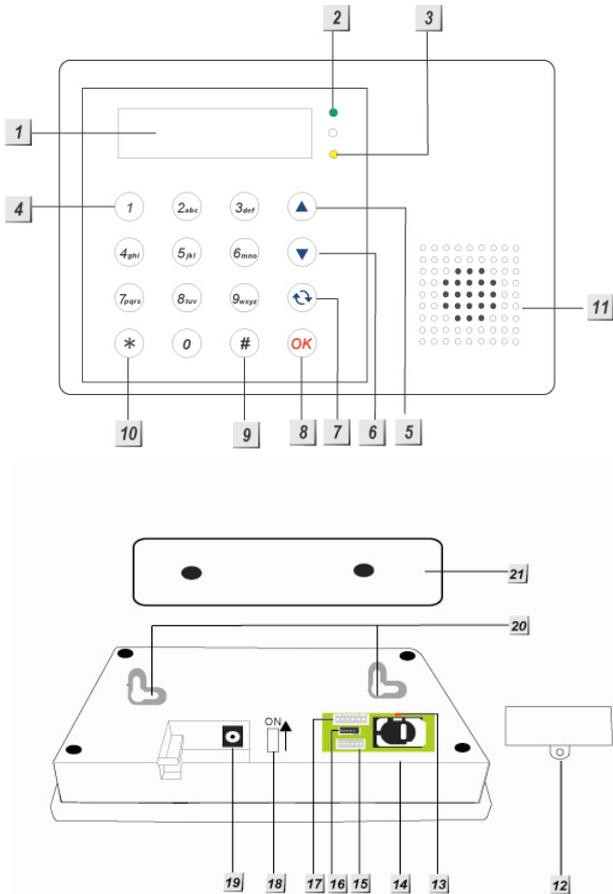
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# 1. Application Overview

## 1.1. Identifying the parts



### 1. Backlit LCD Display

### 2. Green LED (Power Indicator)

Green LED ON – AC Power is supplied.

### 3. Yellow LED (Fault Indicator)

FAULT LED ON – Indicate that there is fault situation in the current Operating Area (Home/Alarm off modes only, LED dims in Arm mode even if fault is detected).

FAULT LED OFF – Indicate that there all fault conditions are restored.

### 4. Numeric Keys

### 5. ▲ Key

— In Programming mode, press this key to move the cursor and scroll the display upwards.

### 6. ▼ Key

— In Programming mode, press this key to move the cursor and scroll the display downwards.

### 7. ⌂ Key

In Programming mode, use this key for deleting a digit, canceling the selection, aborting the current screen and returning to the previous screen etc.

### 8. OK Key

To confirm the keyed-in data or confirm the selection.

### 9. # Key

— Press & hold for 2 sec to enter the I menu.

### 10. \* key

— Press & hold for 2 sec to enter the Installer menu.

### 11. Buzzer

### 12. Power Supply Compartment Cover

### 13. GPRS/GSM LED Indicator

### 14. GPRS/GSM SIM Card Base

This slot is for inserting SIM card.

### 15. Factory Use Only

### 16. Factory Use Only

### 17. Factory Use

### 18. Battery Switch

### 19. DC Jack

### 20. Wall Mounting Holes with Tamper Switch Inside

### 21. Wall Mounting Bracket

## 1.2. Insert GSM/GPRS SIM Card

C-Fence Home features built-in GSM/GPRS communication facility to report to the Monitoring Station.

- **To Insert your GSM/GPRS SIM card:**

<NOTE>

- ☞ It is recommended to disable the SIM card PIN code before inserting into the Control Panel.

< IMPORTANT NOTE >

Please make sure the inserted SIM card has GPRS and MMS functions. Otherwise, the Control Panel can't work properly.

The GSM SIM Card Base is situated inside the Power Supply compartment:

- Unlock the SIM card base by sliding the cover toward **OPEN** direction.
- Spring open the SIM card slot and insert your new SIM card.
- Replace the SIM slot onto the base lightly.
- Remember to lock the SIM card base by sliding the cover toward **LOCK** direction.

## 1.3. The Power Supply

An AC power adaptor is required to connect to a wall outlet. Be sure only to use an adaptor with the appropriate AC voltage rating to prevent component damage.

A DC 12V output and 1A switching power is generally used to power the Control Panel.

- ☞ For all other battery status, please refer to section 3.13.

## 1.4. How to Install the Control Panel

**The easiest way to get to know the system and get it up and running quickly is to get all the devices and accessories programmed on a tabletop before locating and mounting them.**

The Control Panel can be mounted on the wall or wherever desired. Ensure the Control Panel is fitted at approximately chest height where

the display can be easily seen and the keypad convenient to operate.

- Using the 2 holes of the Wall Mounting Bracket as a template, mark off the holes' positions.
- Drill 2 holes and fix the screws & plugs provided.
- Hook the C-FENCE HOME unit onto the Wall Mounting Bracket (holding the unit with the front facing you).

## 1.5. Three – Level Passwords

In order to provide highest security when operating the system, C-FENCE HOME offers 3 levels of authorization.

### User PIN Code

- PIN Code is the 1st level of passwords.
- The Control Panel consists of 6 user PIN codes. Same User PIN code may not be repeated.

< IMPORTANT NOTE >

- ☞ No 2 codes can be the same, if so, the message, **Code in use** will be displayed to prompt the user to choose differently.

- ☞ User 1 PIN code can be changed, but cannot be deleted in any way.

- Whenever panel asks to key in **Enter Code** or **P-Code**, please enter your User PIN Code.
- User Pin Code:  
Factory default: **1234**
- User 2~6 PIN codes are deactivated by factory default.

### Installer Code

- The Master Code has the authorization to enter Installer Mode. When the display panel asks you to key in **I-Code**, please enter your Installer Code.
- Installer Code:  
Factory default: **7982**

### Master Code

- The Master Code has the authorization to enter Programming Mode. When the display panel asks you to key in **M-Code**, please enter your Master Code.

- Master Code:  
Factory default: 1111

## 1.6. Getting Started

### <IMPORTANT NOTE>

- ☞ The Control Panel has **Screen Saver** feature. The **ARMED / DISARMED** message will be displayed for 180 secs. Then, only the current date & time will be displayed.
- ☞ While entering PIN code, if incorrect codes have been inputed for 4 times or over 20 incorrect numeric numbers have been entered, it will inhibit further key presses for 1 minute.
- ☞ Press **C** key will clear the code field, or return to the previous screen.
- ☞ After any changes are made in settings, you must return to **DISARMED** mode in order to save the changes. If not returned to **DISARMED** mode or if AC power & battery are both off, then the changes will not be saved.

**Step 1.** Find a suitable location for the Control Panel to be installed.

**Step 2.** Apply the AC Power. You will hear two short beeps. **DISARMED** will be displayed on the first line and **00:01 01 Jan** displayed on the second line of the screen indicating the system is in disarmed mode (factory default).

D	I	S	A	R	M	E	D							
0	0	:	0	1		J	a	n		0	1			

The system is now in Alarm off mode.

### <NOTE>

- ☞ Whenever the Control Panel is powered on again, it will resume the mode before the power is off/disconnected.
- ☞ **OK** key confirming the entered PIN code should be pressed within 30 sec. Otherwise, the display will go back to **ARMED** and the system remains armed, the display will go back to the previous mode.
- ☞ In Step3, if you press a key other than numeric keys, the display will remain the same requesting you to key in **1234** (default PIN code) and then press **OK**.

## 2.0 Menu system

### <IMPORTANT NOTE>

- ☞ While entering any PIN codes, if incorrect codes have been input for 4 times; or over 20 numeric numbers have been entered, it will inhibit further key presses for 1 minute.

## Installer menu

The system must be unarmed for you to be able to reach this menu.

**Step 1.** Hold \* for 2 sec, the display shows;

I	n	s	t	.	-	M	o	d	e	E	n	t	e	r
u	s	e	r	-	c	o	d	e	.	.	.	.		

**Step 2.** Enter your PIN-code within 30 sec.

- Factoru default:

**1234**

Enter installer code within 30 sec.

I	n	s	t	.	-	M	o	d	e	E	n	t	e	r
				I	-	C	o	d	e	.	.	.	.	

**Step 2.** Slå in installatörs-codeen inom 30 sekunder.

- Fabriksinställd kod: **7982**

Slå in Master-codeen inom 30 sekunder.

**Following options will be available in the display:**

o	R	e	p	o	r	t	i	n	g					
	I	n	s	t	a	l	e	r		c	o	d	e	
	P	r	o	g	r	a	m		M	e	n	u		
	C	o	m	m	o	n	.	S	e	t	t	i	n	g
	R	e	a	d		I	M	E	I		C	o	d	e

## Reporting

This menu is for installer to programm/set all requirements for reporting purposes. Please note that this system only allows the SMS reporting method.

Selections available are:

o	T	e	l	.	S	e	t	t	i	n	g	s		
	M	M	S		T	E	L	/	E	-	M	A	I	L
	M	M	S		S	e	t	t	i	n	g			
	G	P	R	S		S	e	t	t	i	n	g		

### <IMPORTANT NOTE>

- ☞ The reporting sequence: SMS Text

Message > MMS

## Tel. Settings

o	T	e	l	.	N	u	m	b	e	r				
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

### 2.3.1.1 Tel. Number

In Tel. Number menu, it allows you to set/change/delete telephone numbers for SMS reporting purpose. 5 telephone numbers are allowed to be set for SMS reporting.

- **Store Tel. Number**

**Step 1.** Move the cursor to the **Tel. Number** submenu and press **OK**.

o	1	)	.	.	.	.								
	2	)	.	.	.	.								
	3	)	.	.	.	.								
	4	)	.	.	.	.								
	5	)	.	.	.	.								

**Step 2.** Press **OK** key to enter the phone number.

E	n	t	e	r		n	e	w		N	o	.	+	O	K
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

**Step 3.** Key-in desired phone number.

**Step 4.** Press **OK** to confirm your setting.

### <NOTE>

- ☞ The maximum length of a number is 30 digits including \* & #. If this length is reached, the Control Panel will emit 5 beeps and no key can be pressed except **G** and **OK** keys.
- ☞ While entering the number, when the 15th position is reached, non-fitting numbers will scroll to the left.
- ☞ Four dots are displayed to indicate no telephone number has been set.

- **Change Tel. Number**

Apply Steps 1-4 from **Store Tel. Number** section. New number will overwrite the previous one.

- **Delete Tel. Number**

**Step 1.** Apply Steps 1 & 2 from **Store Tel. Number** section.

**Step 2.** Press **G** key to cancel the numbers.



To transmit CTC-852EP's pictures to ftp, the GRPS function should be enabled first. Please contact your SIM card service provider to enable this function first. For GRPS settings, please refer to **2.3.4 GPRS Setting** for details.

## MMS Setting

The MMS settings are offered by your SIM card service provider. Before configure this function, contact your service provider for correct MMS setting information of the inserted SIM card.

o	M	M	S	A	P	N									
	M	M	S	A	P	N	U	S	E	R					
	M	M	S	A	P	N	P	W	D						
	M	M	S	A	P	N	U	R	L						
	M	M	S	P	R	O	X	Y	A	D	D	R			
	M	M	S	P	R	O	X	Y	P	O	R	T			

### 2.3.3.1 MMS APN

The MMS APN is offered by your SIM card service provider supplier accordingly.

Specify a MMS APN name.

	M	M	S	A	P	N	E	d	i	t	o	r			
e	m	o	m	e											

**Step 1.** Please enter your MMS APN name (max. 31 digits / alphabets.) and press **OK** key.

**Step 2.** Select **Save** to save the data; or select **Quit** to give up saving.

### MMS APN USER

The MMS APN USER is offered by your SIM card service provider supplier accordingly.

Specify a MMS User Name.

	M	M	S	A	P	N	U	S	E	R					
e	m	o	m	e	1	2	3	4							

**Step 1.** Please enter your MMS User name (max. 15 digits / alphabets.) and press **OK** key.

**Step 2.** Select **Save** to save the data; or select **Quit** to give up saving.

### MMS APN Password

The MMS APN Password is offered by your SIM card service provider supplier accordingly.

Specify a MMS Password.

	M	M	S	A	P	N	P	A	S	S	W	O	R	D	
1	2	3	4												

**Step 1.** Please enter your MMS Password (max. 15 digits / alphabets.) and press **OK** key.

**Step 2.** Select **Save** to save the data; or select **Quit** to give up saving.

### MMS APN URL

The MMS APN URL is offered by your SIM card service provider supplier accordingly. Specify a MMS APN URL.

	M	M	S	A	P	N	U	R	L						
h	t	t	p	:	/	/	m	m	s	.	e	m	o	m	e

**Step 1.** Please enter your MMS APN URL (max. 67 digits / alphabets.) and press **OK** key.

**Step 2.** Select **Save** to save the data; or select **Quit** to give up saving.

### MMS PROXY ADDR

The MMS PROXY ADDR is offered by your SIM card service provider supplier accordingly.

This feature allows you to specify a proxy address for MMS.

	M	M	S	P	R	O	X	Y	A	D	D	R			
1	0	.	1	.	1	.	1	.							

**Step 1.** Please enter your MMS proxy address (max. 15 digits / alphabets.) and press **OK** key.

**Step 2.** Select **Save** to save the data; or select **Quit** to give up saving.

MMS PROXY PORT

The MMS PROXY PORT is offered by your SIM card service provider supplier accordingly. This feature allows you to specify a MMS proxy port.

o	1	)	8	0	8	0									

**Step 1.** Please enter your MMS proxy port (max.5 digits / alphabets.) and press **OK** key.

**Step 2.** Select **Save** to save the data; or select **Quit** to give up saving.

### Installer code

- Master Code is used for accessing the Installer mode.
- Factory default: **7982**
- To set/change the Installer Code, follow the same steps as those to set /change/delete the user PIN code

described in previous section.

## Program Menu

This is a shortcut to access the Programmer Menu

## Common. Settings

o	S	u	p	e	r	v	i	s	i	o	n			
	L	a	t	c	h	s	e	l	e	c	t	i	o	n
	R	C	E	n	t	E	s	e	l	.				
	G	S	M	B	a	n	d	s	e	l	.			

## Supervision

This option is used to enable system supervision function. When **ON** is selected, C-FENCE HOME will be able to receive the check-in signals from the devices to indicate their proper functioning.

	D	i	s	a	b	l	e							
	4	H	o	u	r	s								
	6	H	o	u	r	s								
	8	H	o	u	r	s								
	12	H	o	u	r	s								
	24	H	o	u	r	s								

PIR sensor, Door Contact, Water Sensor or IR Camera or Smoke Sensor, after installed, will transmit a periodic supervision signal at intervals between 30 min. to 50 min.

If the Control Panel dose not receive the signals transmitted from an individual sensor for a period of 4 Hours, 6 Hours, 8 Hours, 12 Hours, or 24 Hours, a **sensor out-of-order** fault event will be detected.

- **Disable** is set as factory default.

### <NOTE>

- ☞ For IR Camera (CTC-852EP), except the Supervision way mentioned above, please refer to IR Camera (CTC-852EP Supervision Chart.

## Latch Selection

**Latch report** is sent while system mode is changed (e.g. from Away arm mode to Alarm off mode) and can be applied to control prompt situation from the system.

This function is to program whether Control Panel send latch key report while the system mode is changed.

o	O	p	t	i	o	n	a	l	L	a	t	c	h
---	---	---	---	---	---	---	---	---	---	---	---	---	---

	L	a	t	c	h	O	f	f				
	L	a	t	c	h	O	n					

- **Latch On** is set as factory default.

### <NOTE>

- ☞ When the Latchkey Reporting feature is chosen **Optional Latch**, the system will ask your option for latch report while you program DC Attribute Set/Unset, Pin code and temporary code and while you learn RC or NS in the Control Panel.
- ☞ When the Latchkey Reporting feature is chosen **OFF**, the system does not inform all arming and disarming actions of all users, the RC, NS and KP to Central Monitoring Station or users.
- ☞ When the Latchkey Reporting feature is chosen **ON**, the system informs all arming and disarming actions of all users and the RC, NS and KP to Central Monitoring Station or users.
- ☞ The "**Latch ON/OFF**" will only affect later settings of PIN code, RC, NS and KP, but it will not overwrite any previously change made in "**Optional Latch**"

## SMS Prog.PW.

To be able to send settings by SMS to the panel you have to configure this setting.

## Remote Controller Entry Enable Select (RC Ent E)

This is to Turn On or Off the Remote Controller disarm function.

	R	C	E	n	t	E	O	p	t		
	R	C	E	n	t	E	O	n			
	R	C	E	n	t	E	O	f	f		

- **RC Ent E On (Remote Controller Entry Enable On)** is set as factory default.

### <NOTE>

- ☞ When selected as **On** or **Off**, all new leant Remote Controller will use the same setting. During the learning process, an option to turn On or Off Remote Controller Entry will not be shown.
- ☞ When selected as **Opt (Option)**, when new Remote Controllers, an option to turn On or Off Remote Controller Entry will be shown.

- ☞ Changing the Remote Controller Entry Enable Select settings will not affect the previous learnt Remote Controller settings saved in the Control Panel.
- ☞ When **RC ENT E Off** (Remote Controller Entry Enable Off) is selected, it is not possible to disarm the Control Panel when the system is fully armed.
- ☞ The feature is used to ensure that the system cannot be disarmed with a stolen Remote Control without unlocking a door first.
- ☞ When **RC ENT E On** (Remote Controller Entry Enable On) is selected, the Remote Controller can arm and disarm the control panel as normal without activating an entry point.
- ☞ However, when an alarm is triggered by the panic button on the RC, it is prohibited to use the same RC to disarm.

## GSM Band Select

Depending on your local telecom service provider's network setting, you will need to adjust the GSM band setting accordingly. Please check with our local telecom service provider for the appropriate setting.

		M	o	n	o	8	5	0						
		M	o	n	o	9	0	0	E					
		M	o	n	o	1	8	0	0					
		M	o	n	o	1	9	0	0					
		8	5	0	/	1	9	0	0					
o		9	0	0	E	/	1	8	0	0				
		9	0	0	E	/	1	9	0	0				

- Factory default: 900E/1800

## Read IMEI Code

Is option is for you to be able to read the GSM-modules IMEI-code.

## Programming mode

If the system is in Alarm off mode, to enter the Programming mode, follow the steps below.

- Step 1.** Press and hold # key for 2 seconds. The screen will prompt you to enter the User1 PIN code.

P	r	o	g	-	M	o	d	e	E	n	t	e	r	
u	s	e	r	-	c	o	d	e	.	.	.	.		

- Step 2.** Key-in your 4 digits User PIN Code within 30 sec.

- Default user 1 PIN code:

Factory Default: **1234**

The screen will then prompt you to enter the Master PIN code.

P	r	o	g	-	M	o	d	e	E	n	t	e	r	
					M	-	C	o	d	e	.	.	.	.

- Step 3.** Key-in **1111** (default **Master Code**) within 30 sec.

- Step 4.** Press **OK**

The following message is displayed for 2 sec.

*	P	R	O	G	R	A	M	M	I	N	G	*		
				*	M	E	N	U	*					

- Step 5.** Then the available selections of the Programming Main menu will be displayed.

o	A	r	e	a										
	G	S	M											

- Step 6.** Move the cursor to the desired item, and press **OK** to confirm the selection. The display will show you the individual programming screen accordingly.

### <NOTE>

- ☞ If a down-arrow symbol **V** appears on the last column of the screen, it indicates the selection list can be downwards scrolled. If the lowest position is reached, the down-arrow symbol disappears.
- ☞ If an up-arrow symbol **^** appears on the last column of the screen, it indicates the selection list can be upwards scrolled. If the upper position is reached, the up-arrow symbol disappears.
- ☞ In Programming mode, if no key is pressed within 2 minutes, the Control Panel will automatically exit Programming mode to Alarm off mode.

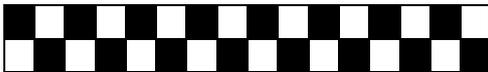
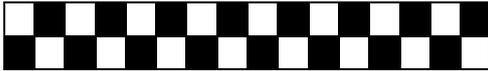
## Area menu

o	W	a	i	k	T	e	s	t						
	C	o	d	e	S	e	t	t	i	n	g	s		
	M	a	s	t	e	r	C	o	d	e				

P	a	n	e	l	S	e	t	t	i	n	g	s		
S	M	S	H	e	a	d	e	r						
S	M	S	K	e	y	w	o	r	d					
D	e	v	i	c	e	+	/	-						

## Walk Test

- When **Walk Test** is selected, the Blue & Yellow LED's will flash 3 secs with 3 beeps, and the following two test patterns are displayed for 2 sec. each.



- Then the following message is displayed:

*			W	a	i	k	T	e	s	t		*		

- Pressing the test button on the sensor or any button on the Remote Controller or triggering the sensor, if the Control Panel received the signal, it will sound a 2-tone beep and the display will show you which sensor with its zone number that is reacting.

I	R		Z	o	n	e	0	2						
H	a	i	l	w	a	y				R	=	9		

- The message will be displayed for 30 sec. or being replaced by another test signal.
- Pressing OK key or after 30 sec, the screen will return to Walk Test banner.
- Log of Walk Test
- To watch the log of **Walk Test**, press  $\curvearrowright$  key. The screen will display:

T	o	d	i	s	P	l	a	y						
T	e	s	t	i	n	g	R	e	c	o	r	d	s	

Press **OK** Key

W	r	i	s	t	T	X								
.	.	.	.	.	.	.	R	=	0	9				

Use  $\blacktriangle$  &  $\blacktriangledown$  key can look through previous RF record.

Press  $\curvearrowright$  key once again. The screen will show:

A	r	e	y	o	u	s	u	r	e					
			T	o	q	u	i	t	?					

Press  $\curvearrowright$  key back to log record.

Press **OK** key to enter Area selection menu.

- In the Install mode/programming mode, if no test signals are received for 5 minutes, the Control Panel will exit **Walk Test** mode and return to **Alarm Off**. Press **OK** key to add another 5 minutes.
- In the user operation mode, if no test signals are received for 2 minutes, the Control Panel will exit **Walk Test** mode and return to **Alarm Off**. Press **OK** key to add another 2 minutes.

## Code Settings

In **Code Settings** menu, the following parameters can be programmed at your discretion.

o	P	i	n	C	o	d	e							
	D	u	r	e	s	s	C	o	d	e				
	T	e	m	p	.	c	o	d	e					

### <IMPORTANT NOTE>

- For Naming the User Name, please refer to section Appendix, Naming section for more information.
- if the code is not correct, a **Code incorrect** prompt message will be displayed 2 sec., and you are requested to repeat Step 2 to enter again.
- The code cannot be duplicated. If the code has been used, the screen will display **code in use** and require you re-enter a new code.

## Pin Code

- All User Pin Codes are used to regularly arm/disarm the system and are allowed to access the Programming mode accompanied with the Master Code.
- User PIN code #2~#6 are deactivated by factory default.
- User Pin Code:  
Factory default: **1234**

### To set PIN code

**Step 1.** Move the cursor to the **Pin Code** then press **OK** selection.

*	1	)	*	*	*	*								
---	---	---	---	---	---	---	--	--	--	--	--	--	--	--

2)	.	.	.	.										
----	---	---	---	---	--	--	--	--	--	--	--	--	--	--

to

6)	.	.	.	.										
----	---	---	---	---	--	--	--	--	--	--	--	--	--	--

**Step 2.** Move the cursor to the desired **User Pin Code** then press **OK**.

E	n	t	e	r		N	e	w		C	o	d	e	
						.	.	.	.					

**Step 3.** You are then required to enter your preferred 4-digit code and then press **OK**.

**Step 4.** Repeat the new code again and then press **OK**.

R	e	p	e	a	t		N	e	w		C	o	d	e
						.	.	.	.					

**Step 5.** A latch report on/off option is required to choose:

o	L	a	t	c	h		r	p	t		O	n		
	L	a	t	c	h		r	p	t		O	f	f	v

**<NOTE>**

- ☞ The Latch rpt On/Off section display for your programming only when the Latch selection function is enabled (See section 2.2.2 under Configuring your system)
- ☞ The latch reporting function can be set respectively for each Pin code.
- ☞ Latch Report ON = Whenever the system is armed, home armed or disarmed, the Panel will transmit SMS Contact ID code / SMS message / GPRS reporting (according to pre-setting) to notify the Central Monitoring Station.
- ☞ Latch Reprt OFF = Whenever the system is armed, home armed or disarmed, the Panel will NOT transmitt reporting(s) to notify the Central Monitoring Station.

**Step 6.** Choose whether you wish to enable or disable the latch report option and press **OK**.

**Step 7.** You are then requested to give a name for this new PIN code.

U	s	e	r		N	a	m	e						
_														

**<NOTE>**

☞ A max of 10 digits for user name.

**Step 8.** Press **OK** to confirm the new name. If no name is wished, press **OK** directly.

*	1	)	M	R	.	S	M	I	T	H				
	2	)	M	R	S	.	S	M	I	T	H			
	3	)	*	*	*	*								
	4	)	.	.	.	.								

**<NOTE>**

- ☞ **2) MRS. SMITH** representing the User #2 PIN code is set up and user name specified.
- ☞ **3) \*\*\*\*** representing this User #3 code is programmed without user name specified.
- ☞ **4) ●●●●** representing the User #4 code is not yet set up for activation.

**Step 9.** Proceed to set additional User PIN Codes as instructed from Step 1 ~ Step 8. Setting the PIN code is completed.

**<IMPORTANT NOTE>**

- ☞ For Naming the User Name, please refer to section 5. Appendix, Naming section for more information.
- ☞ if the code is not correct, a **Code incorrect** prompt message will be displayed 2 sec., and you are requested to repeat Step 2 to enter again.
- ☞ The code cannot be duplicated. If the code has been used, the screen will display **code in use** and require you re-enter a new code.

**● To Edit Pin Code**

After the Pin Code is programmed, it can be edited by following the steps below:

**Step 1.** Move the cursor to the **Pin Code** selection then press **OK**.

D	e	l	e	t	e		p	i	n	-	c	o	d	e
						(	O	K	?)					

**Step 2.** Press **G** key, the next screen will ask you to enter your new PIN code and repeat it for double confirmation.

**Step 3.** Make your selection whether to have the Latch Key Reporting ON or OFF, and then press **OK**. The screen returns to **Code Setting** menu, editing

the user PIN code is now completed.

### ● To Delete User PIN code

Except User #1 which is activated by factory default and can't be deleted in any way, User(#2~6) PIN code can be deleted by following the steps below:

**Step 1.** Move the cursor to the **PIN Code** selection then press **OK** the following screen will show the status of each User PIN code:

*	1	)	M	R	.	S	M	I	T	H				
	2	)	M	R	S	.	S	M	I	T	H			
	3	)	*	*	*	*	*	*	*	*				
	4	)	.	.	.	.	.	.	.	.				

**Step 2.** Move the cursor to the desired # (2~6) of programmed user PIN code to be deleted, then press **OK** the following screen is displayed.

D	e	l	e	t	e		p	i	n	-	c	o	d	e
							(	O	K	?)				

**Step 3.** Press **OK** and the screen returns to previous one with the deleted User PIN code marked with ●●●●

### Duress Code

- The Duress Code is designed for transmitting a secret & silence alarm.
- When Duress Code is used for accessing the system, the Control Panel will report a secret alarm message without sounding the siren to the Central Monitoring Station to indicate of a **Duress Situation in Progress**. The LCD will display in the same manner as if operating with a User PIN Code. There will be no Alarm! Alarm! warning message, nor any siren sound.
- The Duress Code consists of 4 digits and is not activated as default by the factory.
- **To set/change the Duress Code, follow the same steps as those to set /change/delete the user PIN code described in previous section.**

### Temporary Code

- The temporary Code is also used to arm/disarm the system for a temporary user. It is **ONLY** valid for one-access per arming and disarming. Afterwards, the Temporary Code will be automatically erased and needs to be reset for a new Temporary user.

- The Temp. Code consists of 4 digits and is not activated as default by the factory.
- Latch Selection must set as **Optional Latch** (please refer to section 2.4.4 for details), so that a Latch Report On/Off selection will appear.
- **To set/change the temporary Code, follow the same steps as those to set /change/delete the user PIN code described in previous section.**

### Master code

- Master Code is used for accessing the Programming mode.
- Factory default: 1111
- **To set/change the Master Code, follow the same steps as those to set /change/delete the user PIN code described in previous section.**

### Panel Setting

A.	E	n	t	r	y	t	i	m	e	r				
A.	E	x	i	t	t	i	m	e	r					
H.	E	n	t	r	y	t	i	m	e	r				
H.	E	x	i	t	t	i	m	e	r					
A.	E	n	t	r	y	s	o	u	n	d				
A.	E	x	i	t	s	o	u	n	d					
H.	E	n	t	r	y	s	o	u	n	d				
H.	E	x	i	t	s	o	u	n	d					
D	o	o	r	c	h	i	m	e						
W	a	r	n	i	n	g	b	e	e	p				
M	o	b	i	l	i	t	y							
L	o	c	a	l	s	i	r	e	n					
I	n	t	e	r	f	e	r	e	n	c	e			
T	a	m	p	e	r	a	l	a	r	m				
A	C	r	e	p	o	r	t							
A	l	a	r	m	l	e	n	g	t	h				
S	i	r	e	n	d	e	l	a	y					
F	i	n	a	l	d	o	o	r						
V	e	r	i	f	i	c	a	t	i	o	n			
D	o	o	r	w	a	r	n	i	n	g				

### A. Entry Timer (Away Entry Timer)

When Door Contact (DC) or PIR Detector (IR) is set as **Entry / Away Entry** attribute, the system gets into counting down period (Away entry timer) while the DC or IR is triggered under Away arm mode.

During the counting down period, it is allowed to use correct PIN code to disarm the alarm and the alarm reporting will not be sent. On the other hand, if the correct PIN code has not

been entered within the period, Control Panel raises an alarm and sends an alarm report.

- Options available are disable (alarm immediately) , 10 sec., 20 sec., up to 70 sec. in 10-sec increments.
- Press **OK** on A. Entry Timer and the following screen will be displayed:

	D	i	s	a	b	l	e												
	1	0	s	e	c														
o	2	0	s	e	c														
	3	0	s	e	c														
	4	0	s	e	c														
	5	0	s	e	c														
	6	0	s	e	c														
	7	0	s	e	c														

- **20 sec.** is set as factory default.

### A. Exit Timer (Away Exit Timer)

While the system gets into Away arm mode by Control Panel, Remote Controller (RC) or Remote Keypad (KP), an Away exit timer starts counting down.

During the counting down period, pressing the Arm Button of the RC can restart the counting. In addition, it is allowed to use correct PIN code or press Disarm Button of the RC to stop the counting and return to Alarm off mode.

- Options available are Disable (exit timer prohibited), 10 sec., 20 sec. up to 70 sec. in 10-sec increments.
- **30 sec.** is set as factory default.

### H. Entry Timer (Home Entry Timer)

When Door Contact (DC) or PIR Detector (IR) is set as **Entry / Home Access** attribute, the system gets into counting down period (Home entry timer) while the DC or IR is triggered under Home arm mode.

During the counting down period, it is allowed to use correct PIN code to disarm the alarm and the alarm reporting will not be sent. On the other hand, if the correct PIN code has not been entered within the period, Control Panel raises an alarm and sends an alarm report.

- Options available are disable (alarm immediately) , 10 sec., 20 sec., up to 70 sec. in 10-sec increments.
- **20 sec.** is set as factory default.

### H. Exit Timer (Home Exit Timer)

While the system gets into Home arm mode by Control Panel, Remote Controller (RC) or

Remote Keypad (KP) or Night Switch(NS), an Away exit timer starts counting down.

During the counting down period, pressing the Home Button of the RC can restart the counting. In addition, it is allowed to use correct PIN code or press Disarm Button of the RC to stop the counting and return to Alarm off mode.

- Options available are Disable (exit timer prohibited), 10 sec., 20 sec. up to 70 sec. in 10-sec increments.
- **30 sec.** is set as factory default.

### A. Entry Sound (Away Entry Sound)

This is for you to decide whether the Control Panel sounds count-down beeps and volume of beep during the Away entry timer (see section 2.3.3.1).

- Options available are **High** (high volume of beep), **Low** (low volume of beep) and **Off** (no beep):

	H	i	g	h															
o	L	o	w																
	O	f	f																

- **Low** is set as factory default.

### A. Exit Sound (Away Exit Sound)

This is for you to decide whether the Control Panel sounds count-down beeps and volume of beep during the Away exit timer (see section 2.3.3.2).

- Options available are **High** (high volume of beep), **Low** (low volume of beep) and **Off** (no beep):
- **Low** is set as factory default.

### H. Entry Sound (Home Entry Sound)

This is for you to decide whether the Control Panel sounds count-down beeps and volume of beep during the Home entry timer (see section 2.3.3.3).

- Options available are **High** (high volume of beep), **Low** (low volume of beep) and **Off** (no beep):
- **Low** is set as factory default.

### H. Exit Sound (Home Exit Sound)

This is for you to decide whether the Control Panel sounds count-down beeps and volume of beep during the Home exit timer (see section 2.3.3.4).

- Options available are **High** (high volume of beep), **Low** (low volume of beep) and **Off** (no beep):
- **Low** is set as factory default.

### Door Chime

This function is available only when the attribute of Door Contact (**DC**) and/or PIR detector (**IR**) is set as **Entry or Away Entry**.

The Control Panel sounds a Door Chime (Ding-Dong Sound) while the DC and/or IR is activated in Alarm off mode.

- Options available are **High** (high volume of sound), **Low** (low volume of sound) and **Off** (no sound):

	H	i	g	h															
o	L	o	w																
	O	f	f																

- **Low** is set as factory default.

#### <NOTE>

IR Camera(CTC-852EP) doesn't support the Door Chime function.

### Warning Beep

This is for you to decide whether the Control Panel will sound a warning beep whenever a fault condition has been detected and displayed. The warning beep will be silenced after the Fault message has been read by the user. When a new fault condition is detected, it will then again emit a warning beep every 30 sec.

- Options available are **High** (high volume of warning beep), **Low** (low volume of warning beep) and **Off** (no beep):

	H	i	g	h															
o	L	o	w																
	O	f	f																

- **Low** is set as factory default.

### Mobility

This function is design to avoid an accident happening (e.g. swoon or lost consciousness) to the user without anyone notices. Under all modes except Away arm mode, when the system does not detect any user movement within the pre-set mobility period, an inactivity (alarm) report will be sent to the monitoring center. The display will show Alarm! Alarm! and the siren will sound.

- Options available are **Disable** (no mobility

detecting), **4 hours**, **8 hours** and **12 hours**.

o	D	i	s	a	b	l	e												
	4	H	o	u	r	s													
	8	H	o	u	r	s													
	1	2	H	o	u	r	s												

- **Disable** is set as factory default.

#### <NOTE>

☞ The mobility time re-calculates once one of the following actions occurs:

- ◆ In **Home** mode: whenever any key of Control Panel is pressed, or whenever any **Home Omit** DC or IR is triggered within the pre-set Mobility time period.
- ◆ In **Alarm off** mode: whenever any of the DC or IR (except **24 Hr, Fire, Medical Emergency and Water**) is triggered, or whenever any keys of the Control Panel / RC / KP is pressed within the pre-set Mobility time period.

☞ The mobility function is disabled automatically when the system is set to **Away Arm**.

☞ IR Camera (CTC-852EP) doesn't support the Mobility function.

### Local Siren

This is used to program whether the Control Panel raises local alarm while sensor is triggered.

o	O	n																	
	O	f	f																

- **On (Local Siren On)** is set as factory default. When the Control Panel receives an effectual triggered signal, its siren raises alarm.
- **Off (Local Siren Off)** means when the Control Panel receives an effectual triggered signal, its siren will not raise alarm.

#### <NOTE>

☞ Whe Local Siren is set is OFF, the Bell Box (BX) and Indoor Siren (SR) are not affected and will emit an alarm sound.

### Interference

This is for you to decide whether the Control Panel should detect signal jamming or not.

	D	e	t	e	c	t	i	o	n	O	n								
o	D	e	t	e	c	t	i	o	n	O	f	f							

- **Detection Off** is set as factory default.

<NOTE>

- ☞ When the **Detection On** is selected, whenever the signal jamming period lasted longer than 30 seconds, this fault event will be logged, reported to the Central Monitoring Station and displayed on the LCD to warn the user.
- ☞ When the **Detection Off** is selected, Control Panel will not check interference status.

### Tamper Alarm

This is for you to choose whether the siren should sound alarm when the tamper is triggered.

O	A	w	a	y	A	r	m	O	n	l	y		
	N	o	r	m	a	l							V

- **Away Arm Only** is set as factory default.

- ☞ **Away Arm Only** means, when tamper is triggered under Away arm mode, Control Panel raises a local alarm and sends report to the monitoring center. While under others modes (Home/Alarm off modes, etc.), the siren does not sound nor any report will be sent,
- ☞ **Normal** means, Control Panel raises a local alarm for tamper-trigger in all mode.
- ☞ Either **Away arm only** or **normal** is selected, the system sends tamper-triggered report to Central Monitoring Station in all modes while tamper is triggered.

<NOTE>

- ☞ After the status of IR Camera Tamper or Tilt Switch is restored, IR camera won't detect the status of Tamper and Tilt Switch for 5 minutes. After 5 minutes, IR camera will continue reporting tamper status to the Control Panel.

### AC Report

This feature makes it possible to choose if a report should be sent of the panels power supply is down.

<NOTE>

- Report will be sent first after 50 minutes when the power is off/disconnected

- A restore message will be sent 30 minutes after the power has been restored.

### Alarm Length

This is for you to select internal and external sirens duration when an alarm is activated. Options are disable (no siren alarm) and 1-min to 15-min in 1- min increments.

	D	i	s	a	b	l	e						
	1	M	i	n									
	2	M	i	n									
o	3	M	i	n									
	4	M	i	n									
	5	M	i	n									

to

	1	5	M	i	n								
--	---	---	---	---	---	--	--	--	--	--	--	--	--

- 3 minutes is set as factory default.
- If **Disable** is selected, when the Control Panel receives alarm signal, the panel siren, or external sirens will not raise an alarm sounding.
- If 1~15 min is selected and the local siren function is disabled, the panel siren will not raise an alarm when alarm is triggered. However, the external siren will raise alarm sound based on your programming.
- If external siren alarm length is longer than the Control Panel's, the system gives priority to the Control Panel. (e.g. when the external sirens alarm length is set as 3 mins, and the panel's alarm length is set as 1 min, both alarm siren stop at 1 min when alarm is triggered; however, the external sirens LED will keep flashing until 3 mins has expired.

### Siren Delay

This is for you to decide how long should the Control Panel suppress the audible alarms after a Burglar or Entry alarm is reported. Options are disable and 1-min delay to 10-min delay in increments of 1 minute

o	D	i	s	a	b	l	e						
	1	M	i	n									
		.											
		.											
		.											
	1	0	M	i	n								

- **Disable** is set as factory default.

<NOTE>

☞ Some audible alarm will not be delayed (disregard its siren delay setting) when the following condition detected:

- ✓ Fire alarm
- ✓ Water alarm
- ✓ Personal panic alarm
- ✓ Medical emergency
- ✓ Tamper alarm
- ✓ GSM/GPRS failure

☞ The alarm reporting will be sent immediately, even if the audible alarm is delayed.

### Final Door

When the system is under away arming with Final Door set to On and a Door Contact set as Entry device, then, the system will automatically full arm the system once this Door Contact is detected as closed, event if the count-down period is not yet complete.

o	F	i	n	a	l		d	o	o	r		O	n		
	F	i	n	a	l		d	o	o	r		O	f	f	v

- **Final Door On** (Final Door Set Option Off) is set as factory default.

### Verification

This is use to set the Sequential Verification Reporting.

o	O	n													
	O	f	f												

- **Off (Verification Off)** is set as factory default.

### <NOTE>

☞ If there are more than one PIR motion sensor or door contact, whose attribute is set as Burglar, with **Verification On**, when the first sensor is triggered, the panel will report a **Burglar** alarm (event code 130) to the central monitoring station.

☞ If a second sensor is triggered again within 30 minutes, the panel will report another **Alarm confirm** (event code 139) to the central monitoring station.

☞ If **Verification Off** is selected instead, the panel will only send the first Burglar alarm (event code 130) to the central monitoring station.

### Door warning

This setting makes it possible to get a warning each time you try to arm the system with a **“Entry door”** opened.

- Factory default: Off

### SMS Header

This feature allows you to set a SMS header with every SMS alarm message reported to your mobile phone for easy recognition.

	E	d	i	t		S	c	r	e	e	n				

- A maximum of 64 characters is allowed.

### <IMPORTANT NOTE>

☞ For Key-in the SMS header & SMS keyword, the keypad can be used to enter text, similar to the **texting** method being utilized for the mobile phones

The keys have the following functions:

1	1 , ! ? - [ ] @ /
2	2 A B C Å Ä a b c å ä
3	3 D E F d e f
4	4 G H I g h i
5	5 J K L j k l
6	6 M N O Ö m n o ö
7	7 P Q R S p q r s
8	8 T U V t u v
9	9 W X Y Z w x y z
0	0 <space> / - & ' . “ + :
↶	Delete character and backspace

### ● Set SMS Header

Key-in your desired SMS header for a maximum of 64 characters.

When the message is completed, press **OK** and then to choose **Save** to save the newly edited SMS header.

### <NOTE>

☞ When **Save** is chosen, the saved SMS header will be sent along with the SMS status message to mobile phone.

☞ If no SMS header is programmed, only the SMS alarm message will be send to mobile phone.

☞ To change/delete the SMS Header, please follow the same step described above.

## SMS Keyword

For sending remote commands to system via SMS message, a personalized password is required for C-FENCE HOME to recognize your authority.

E	d	i	t	s	c	r	e	e	n								

### ● Set SMS keyword

Key-in your desired SMS keyword for maximum of 10 characters. Press **OK** to confirm.

#### <NOTE>

- ☞ If no SMS keyword is saved, the remote commanding feature will NOT be available.
- ☞ To change/delete the SMS keyword, please follow the same step described above.
- ☞ Once an SMS keyword is set, you may use SMS text messages to change the Control Panel's mode.

## Device +/-

**Device +/-** menu allows you to add/change/delete all available devices.

#### <IMPORTANT NOTE>

- ☞ A total of 40 devices can be learnt into the system.

	A	d	d	d	e	v	i	c	e	s							
	A	d	Z	B	d	e	v	i	c	e	s						
	E	d	i	t	d	e	v	i	c	e							
	R	e	m	o	v	e	d	e	v	i	c	e					
	S	i	r	e	n	s	e	t	t	i	n	g	s				
	P	S	S	S	e	t	t	i	n	g	s						

## Add Devices

**Step 1.** Select **Add Device**, then press **OK**, a prompting message is displayed.

*	P	u	s	h	B	u	t	t	o	n	O	n	*
	D	e	v	i	c	e	t	o	a	d			

**Step 2.** Press the learn/test button on the sensor or any button on the Remote Controller.

**Step 3.** If the learning code is received successfully by the Control Panel, the screen will show you the device type.

	D	e	t	e	c	t	e	d	(	O	k	?)					
	D	o	o	r	C	o	n	t	a	c	t						

## <NOTE>

☞ The available of devices are listed as followings:

- ✓ Door Contact --- DCA
- ✓ PIR Sensor --- IRA
- ✓ Pet Immune PIR Sensor--IRPA
- ✓ External PIR - -EIRA
- ✓ Remote Controller --- RCA
- ✓ Carbon Monoxide --- COA
- ✓ Smoke Detector --- SDA
- ✓ Water Sensor --- WSA
- ✓ Panic Button --- PBA
- ✓ Night Switch --- NSA
- ✓ Two-way Radio Keypad --- KPA-9, KPA-18 (with LCD)
- ✓ Siren --- BXA-15, SRA-15

**Step 4.** Press **OK** to continue the learning process. Another prompting message will be displayed for you to select its zone number.

**Step 5.** All the non-occupied zones (zones which have no device added in yet) will be displayed on the screen for selection.

**Step 6.** Use **▲&▼** keys to move the cursor to the desired zone number then press **OK**.

#### <NOTE>

- ☞ When a sensor is added to the system for the second time (without removing it first). An error message will be displayed for 2 sec.

	A	l	r	e	a	d	y	e	x	i	s	t					
	i	n	s	y	s	t	e	m									

Then the screen return to Step 1. automatically for you to add a new device.

- ☞ Pressing **G** key will abort the procedure and will not learn-in the device.
- ☞ Different screens will be displayed due to different device type for further configuration purpose.

## Door Contact

**StepA7.** After a zone number for the Door Contact is assigned, you can further specify the device attribute for how it will work in different.

- Device Attribute:

	B	u	r	g	l	a	r												
	H	o	m	e	O	m	i	t											
	H	o	m	e	A	c	c	e	s	s									
	A	w	a	y	O	n	l	y											
	E	n	t	r	y														
	2	4	H	B	u	r	g	l	a	r									
	F	i	r	e															
	M	e	d	i	c	a	l												
	W	a	t	e	r														

<NOTE>

 **B for Burglar Door Contact**

- When the system is in Away Arm / Home Arm mode, or during the Entry Delay or Exit Delay period, if a **Burglar** Door Contact is triggered, a Burglar Alarm will be activated immediately.

 **O for Home Omit Door Contact**

- When the system is in Away Arm mode (incl. away arm entry), if a **Home Omit** Door Contact is triggered, a burglar alarm will be activated immediately.
- When the system is in Home Arm mode, if a **Home Omit** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if a **Home Omit** Door Contact is triggered, the Control Panel will not respond.

 **A for Home Access Door Contact**

- When the system is in Away arm mode, if **Home Access** Door Contact is triggered, a burglar alarm will be activated immediately.
- When the system is in Home arm mode, if a **Home Access** Door Contact is triggered, the Control Panel will start an Entry Delay period to give enough time to disarm the system.
- During the Entry Delay or Exit Delay period, if a **Home Access** Door Contact is triggered, the Control Panel will not respond.

 **Y for Away Only Door Contact**

- When the system is in Away arm mode, if **Away Only** Door Contact is triggered, a burglar alarm will be activated immediately.
- When the system is in Home arm mode, if a **Away Only** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if a **Away Only** Door Contact is triggered, the Control Panel will not respond.

 **E for Entry Door Contact**

- When the system is in Away arm / Home arm mode, if **Entry** Door Contact is triggered, the Control Panel will start an entry period to give enough time to disarm the system.
- After the delay period has expired and no correct PIN code has entered to disarm the system, the Control Panel will respond with a **Burglar Alarm** after 30 secs.
- When the system is in Alarm off mode, if an **Entry** Door Contact is triggered, the Control Panel will make a ding-dong sound for Door Chime (if programmed).

 **H for 24H burglar Door Contact**

- The **24H burglar** Door Contact is active all the time and does not have to be armed or disarmed.

 **F for Fire Door Contact**

- The **Fire** Door Contact is active all the time and does not have to be armed or disarmed.

 **M for Medical Door Contact**

- The **Medical** Door Contact is active all the time and does not have to be armed or disarmed.

 **W for Water Door Contact**

- The **Water** Door Contact acts as an universal transmitter that can connecte a wired water leakage sensor to it.
- The **Water** Door Contact is active all the time and will not have to be armed or disarmed.

**StepA8.** Use ▲&▼ keys to make your selection and confirm by pressing **OK** key.

**StepA9.** The zone name & device attribute is displayed. Press **OK** key again to confirm.

I	n	s	t	a	l	l	e	d	:	(	O	K	?)
D	C	B	a	c	k	d	o	o	r	B			

**StepA10.** You are now invited to give a name or location description to the device to help understand system events. You can enter up to 10 characters followed by **OK** key or just press **OK** key for no name. Please see Appendix I **Naming** for more details.

E	d	i	t		n	a	m	e					
.	.	.	.	.	.	.	.	.	.	.	.	.	.

Adding a Door Contact is now complete.

<NOTE>

☞ If **G** key is pressed during the Edit Name step, the Door Contact will use zone number to display instead of a name.

**PIR Detector**

**StepB7.** After a zone number for the PIR is assigned, the device attribute will be displayed for selection:

o	B	u	r	g	l	a	r						
	H	o	m	e	O	m	i	t					
	D	.	H	o	m	e	o	m	i	t			
	N	.	H	o	m	e	o	m	i	t			
	H	o	m	e	a	c	c	e	s	s			
	D	e	l	a	y	z	o	n	e				
	A	w	a	y	o	n	l	y					
	E	n	t	r	y								
	A	w	a	y	e	n	t	r	y				

<IMPORTANT NOTE>

☞ For detailed description of PIR Detector in each device attributes, please refer to the section under Step A7 for adding Door Contact.

- ☞ **B** for **Burglar** PIR Detector
- ☞ **O** for **Home Omit** PIR Detector
- ☞ **D,O** for **Day Home Omit**
- ☞ **N,O** for **Night Home Omit**
- ☞ **A** for **Home Access** PIR Detector

☞ **E** for **Entry** PIR Detector

**StepB8.** Followed same learning procedure as described in section Add Device, step A8~A9 to confirm the learning & naming device.

**External PIR**

**StepC7.** You are now invited to give a name or location description to the device to help understand system events. You can enter up to 10 letters as you please for the name followed by **OK** or just press **OK** for no name. Please see section **Device Naming** for details.

E	n	t	e	r		N	a	m	e		+	O	k		
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

**StepC8.** Press **OK** when finished and the display will show the new zone name next to the device.

**StepC9.** Press **OK** confirm, adding an EIR is now complete. Screen returns to the **Device +/-** menu.

<NOTE>

- ☞ When EIR is triggered in Away Arm mode, the Control Panel will sound its alarm siren. The LCD display remains as unchanged. No reporting will be made.
- ☞ When EIR is triggered in Alarm off mode, the Control Panel will not respond.
- ☞ When EIR's Tamper is triggered in Away Arm mode, the Control Panel will sound its alarm and reporting will be sent.

**Remote Controller**

**StepC7.** After a zone number for the RC is assigned, the device attribute will be displayed for selection:

o	P	e	r	s	o	n	a	l		A	t			
	M	e	d	i	c	a	l		E	m	g			

<NOTE>

☞ **P** for **Personal Attack** Remote Controller

Control Panel will give a **Personal Attack** alarm when the panic button is pressed & hold for 3 seconds or pressed twice within 3 seconds.

☞ **M for Medical Emergency Remote Controller**

Control Panel will give a **Medical Emergency** alarm when the panic button is pressed & hold for 3 seconds or pressed twice within 3 seconds.

**StepC8.** Press **OK** key to confirm preferred Device attribute. The Latch Selection function must set as **Optional Latch** so that a Latch Report On/Off selection will appear (please refer to Latch selection for details). Choose whether you wish to enable or disable the Latch option when press **OK** key.

*	L	a	t	c	h	.	R	p	t	.	O	n		
	L	a	t	c	h	.	R	p	t	.	O	f	F	

<NOTE>

☞ For description of latch report option, please refer to section Latch selection code setting, step 5.

**StepC9.** You are then requested to choose whether the system can be armed / disarmed via Remote Controller followed by an **OK**. The following options will be displayed only the RC Ent E Opt is enabled (please refer to Remote Controller Entry Enable selection for details.)

o	R	C	E	N	T	E	O	n					
	R	C	E	N	T	E	O	f	f				

<NOTE>

☞ For description of Remote Controller Entry Enable option, please refer to Remote Controller Entry Enable selection.

☞ The Latch Selection and RC ENT E (Remote Controller Entry Enable Select) functions can be set under the Common. Settings menu.

**StepC10.** Followed same learning procedure as described in section Add Device, step A8~A9 to confirm the learning & naming device.

I	n	s	t	a	l	l	e	d	:		(	O	K	?)
R	C	M	R	.	S	M	I	T	H					

**Remote Keypad**

**A. KPA-15**

**Step 1.** Key-in the 4 digit PIN code of KPA-15 (0000 is set as factory default) followed by the \* key. A long beep will be performed on KPA-15 with the active Green LED turned on.

**Step 2.** Put the Control Panel in **Add Device** mode. The following screen will be displayed

*	P	u	s	h		b	u	t	t	o	n		o	n	*
		D	e	v	i	c	e		t	o		a	d	d	

**Step 3.** Press \* key followed by numeric 1 on KPA-15 to transmit learning code. A long beep will be sounded from the KPA-15 if the transmission is successful.

**Step 5.** Press **OK** on the panel to confirm. Another prompting message will be displayed for selecting its zone number.

**Step 6.** Press **OK** to confirm the zone number and learning process.

**External siren (BXA-8 / SRA-15)**

**Step 1.** Put the Control Panel into **Device +/-** menu and select the **Siren settings** sub menu. The screen on Control Panel will show:

	L	e	a	r	n		S	i	r	e	n			
	S	i	r	e	n		T	a	m	p		O	f	f
	S	i	r	e	n		T	a	m	o		O	n	
	C	o	n	f	i	r	m		O	n				
	C	o	n	f	i	r	m		O	f	f			
	E	n	t	r	y		S	n	d		O	n		
	E	n	t	r	y		S	n	d		O	f	f	

**Step 2.** For learning and setting procedure, please refer to BXA-15's manual for details.

**Step 3.** After setting the Siren into "**Learn mode**" according to its separate manual, choose "**Learn Siren**" on panel menu.

**Other Devices**

- **Learning Smoke Detector/Remote Keypad/Water Sensor**

For Smoke Detector, Remote Keypad, Water Sensor and Night Switch, no further option needs to be specified, hence after it is detected, a zone is assigned, and the zone name entered, and then press **OK** to confirm its learning.

- **Learning IP Camera (CTC-1816)**

To learn CTC-1816/CTC-1816 Basic IP camera, you have to use **Learn Siren** function (in the **Program Siren** menu) to configure it.

**Step 1.** Put CTC-1816/CTC-1816 Basic IP camera into learn mode (Please refer to its operation manual for details).

**Step 2.** Move the cursor to the position **Learn Siren** and press **OK** key. The screen displays **"Pls wait RF transmitting"**, and a learning code is transmitted to the IP camera.

o	L	e	a	r	n	S	i	r	e	n			
	S	i	r	e	n	T	a	m	p	O	f	f	
	S	i	r	e	n	T	a	m	p	O	n		
	C	o	n	f	i	r	m	O	n				
	C	o	n	f	i	r	m	O	f	f			
	E	n	t	r	y	S	n	d	O	n			
	E	n	t	r	y	S	n	d	O	f	f		

**Step 3.** If the IP camera (CTC-1816/CTC-1816 Basic ) emits two beeps, it indicates that the learning process is now completed.

<NOTE>

☞ Please note that you can not view captured images of IP camera (CTC-1816/CTC1816 BASIC) in the configuration webpage of C-FENCE HOME. To view imaged captured, please access the configuration webpage of CTC-1816/CTC-1816 Basic for details.

**Device Display Nomenclature**

The devices are displayed throughout the menus and especially where there are zone lists. The meanings of the display components are shown in an example below:

The PIR detector is in zone 03, programmed for burglar mode.

**PIR Z03B**

**Add IRCamera**

To add a IR camera, choose **Add IRCamera** in the **Device +/-** menu. Please note that to add a camera, the SIM card should be inserted first and working properly. Only 6 IR Cameras are allowed to be learnt in.

**Step 1.** Select **Add IRCamera**, then press **OK**, a prompting message is displayed.

*	L	e	a	r	n	I	R	C	a	m		*
p	l	s	p	u	s	h	b	u	t	t	o	n

**Step 2.** Press the learn/test button on the

camera over 10 seconds.

**Step 3.** If the learning code is received successfully by the Control Panel, the screen will show you the device type.

D	e	t	e	c	t	e	d	:	(	O	k	?)
I	R	C	a	m	e	r	a					

**Step 4.** Use **▲&▼** keys to move the cursor to the desired zone number then press **OK**.

**Step 5.** After a zone number for the IRCamera Contact is assigned, you can further specify a device attribute for different guardian purposes.

	D	e	l	a	y	Z	o	n	e			
	H	o	m	e	O	m	i	t				
	H	o	m	e	a	c	c	e	s			
	A	w	a	y	o	n	l	y				
	E	n	t	r	y							
	A	w	a	y	e	n	t	r	y			

<NOTE>

- ☞ When a IRCamera is added to the system for the second time (without removing it first), the 2<sup>nd</sup> added camera will overwrite the previous setting.
- ☞ Pressing **G** key will abort the procedure and will not learn-in the device.

**Step 6.** Then a confirmed message will be displayed for camera installation confirmation

	I	n	s	t	a	l	l	e	d	(	O	K	?)
C	A	M		Z	1	0							

**Step 7.** Then press **OK** to enter a camera name. If finish keying a name, press **OK** to save the settings.

	E	d	i	t	n	a	m	e				

<IMPORTANT NOTE>

☞ For Key-in the camera name, the keypad can be used to enter text, similar to the **texting** method being utilized for the mobile phones,

The keys have the following functions:

1	1 , ! ? - [ ] @ /
2	2 A B C a b c
3	3 D E F d e f
4	4 G H I g h i
5	5 J K L j k l
6	6 M N O m n o
7	7 P Q R S p q r s
8	8 T U V t u v
9	9 W X Y Z w x y z
0	0 <space> / - & ' . " + :
⌫	Delete character and backspace

### <NOTE>

#### ☞ Home Omit IR Camera

- When the system is in Away Arm or Away Arm Entry mode, if **Home Omit** IR Camera is triggered, the camera will be activated immediately and take the 1st photo immediately, and then 2<sup>nd</sup> and 3<sup>rd</sup> one in 2 and 4 seconds separately.

#### ☞ Home Access IR Camera

- When the system is in Away Arm mode, if **Home Access** IR Camera is triggered, the camera will be activated immediately and take the 1st photo immediately, and then 2<sup>nd</sup> and 3<sup>rd</sup> one in 2 and 4 seconds separately.
- When the system is in Home Arm, Day Home Arm or Night Home Arm mode, if **Home Access** IR Camera is triggered, the Control Panel will start a Entry Delay period to give enough time to disarm the system.

#### ☞ Delay Zone IR Camera

- When the system is in Away Arm, Home Arm, Day Home Arm or Night Home Arm mode, if **Delay Zone** IR Camera is triggered, the camera will be activated immediately and take the 1st photo immediately, and then 2<sup>nd</sup> and 3<sup>rd</sup> one in 2 and 4 seconds separately.

#### ☞ Away Only IR Camera

- When the system is in Away Arm mode, if **Away Only** IR Camera is triggered, the camera will be activated immediately and take the 1st photo immediately, and then 2<sup>nd</sup> and 3<sup>rd</sup> one

in 2 and 4 seconds separately.

#### ☞ Entry IR Camera

- When the system is in Away Arm, Home Arm, Day Home Arm or Night Home Arm mode, if **Entry** IR Camera is triggered, the Control Panel will start a Entry Delay period to give enough time to disarm the system.
- When the system is in Disarm mode, if **Entry** IR Camera is triggered, the **Control Panel will not respond (if programmed).**

#### ☞ Away entry IR Camera

- When the system is in Away Arm, , if **Away entry** IR Camera is triggered, the Control Panel will start a Entry Delay period to give enough time to disarm the system.
- When the system is in Home Arm, Day Home Arm or Night Home Arm mode, , if **Away entry** IR Camera is triggered, the Control Panel will not respond.
- **During the Entry Delay or Exit Delay period, if a Away Entry IR Camera is triggered, the Control Panel will not respond.**

### Edit Devices

To edit all the devices that have already been installed, choose **Edit Devices** in the **Device +/-** menu, all the devices being included in the system will be displayed. You may Press **G** to exit.

	DC	B	a	c	k	d	o	o	r			
	IR	H	a	l	l	w	a	y				
	RC	M	R	.	S	M	I	T	H			
	SD	K	i	t	c	h	e	n				
	STOP											

#### To Edit DC/IR/RC

**Step1A.** Use **▲&▼** keys to scroll the display and choose the desired device for editing. For DC, IR and RC, when selected by pressing **OK**, the first screen will ask if you want to change the device attribute:

	B	u	r	g	l	a	r					
	H	o	m	e	O	m	i	t				
	H	o	m	e	A	c	c	e	s			
	D	e	l	a	y							
	E	n	t	r	y							

	2	4	H	o	u	r							
	F	i	r	e									
	M	e	d	i	c	a	l	E	m	g			
	W	a	t	e	r								

If no changes is wished here, press **G** to skip to Step3A.

**Step2A.** Use **▲&▼** keys to scroll the display and choose the desired device attribute by pressing **OK**. The screen will show:

Z	o	n	e	T	y	p	e	?	(	O	k	?)	
D	C	B	a	c	k	d	o	o	r	E			

**Step3A.** Press **OK** to confirm. The next screen will ask if you want to change the name

P	r	o	g	r	a	m	N	a	m	e	?		
B	a	c	k	d	o	o	r						

**Step4A.** Press **G**, if re-naming is not required to exit to the previous device list or press **OK** if you wish to edit the zone name:

E	n	t	e	r	N	a	m	e	+	O	k		
.	.	.	.	.	.	.	.	.	.	.	.	.	.

**Step5A.** Edit the zone name and press **OK** when completed to return to the previous device list.

**Step6A.** Proceed to edit other devices or Press **G** to return to **Device +/-** menu.

### To Edit Other Devices (SD/KP/WS/NS)

**Step1B.** Use **▲&▼** keys to scroll the display and choose the desired device for editing. When selected by pressing **OK**, the first screen will ask if you want to change the zone name. To confirm, press **OK** key or press **G** key to exit.

P	r	o	g	r	a	m	N	a	m	e	?		
B	a	c	k	d	o	o	r						

**Step2B.** Press **G** key to erase the existing texts if you wish to edit the zone name:

E	n	t	e	r	N	a	m	e	+	O	k		
.	.	.	.	.	.	.	.	.	.	.	.	.	.

or press **OK** key to exit to the previous device list.

**Step3B.** Edit the zone name and press **OK** key when completed to return to the previous device list.

**Step4B.** Proceed to edit other devices or Press **G** key to return to **Device +/-** menu.

### To Edit IRCamera

**Step1C.** Use **▲&▼** keys to scroll the display and choose the desired attribute for editing.

	D	e	l	a	y	Z	o	n	e				
	H	o	m	e	O	m	i	t					
	H	o	m	e	a	c	c	e	s	s			
	A	w	a	y	o	n	l	y					
	E	n	t	r	y								
	A	w	a	y	e	n	t	r	y				

**Step2C.** When selected by pressing **OK**, the first screen will ask if you want to change the attribute. To confirm, press **OK** key or press **G** key to exit.

Z	o	n	e	T	y	p	e	?	(	O	K	?)	
C	A	M	Z	1	0								

**Step3C.** Then you will be asked to change the camera name. Press **G** key to erase the existing texts if you wish to re-edit the camera name:

E	n	t	e	r	N	a	m	e					
.	.	.	.	.	.	.	.	.	.	.	.	.	.

or press **OK** key to exit to the previous device list.

**Step4C.** Edit the zone name and press **OK** key when completed to return to the previous device list.

**Step5C.** Proceed to edit other devices or Press **G** key to return to **Device +/-** menu.

### Remove Devices

Adding a device a second time is prohibited unless it is removed from the system first. To delete a device, choose **Remove Device** in the **Device +/-** menu

**Step 1.** Use **▲&▼** keys to scroll the display. All the used zones with the device names are listed in order of the zone numbers.

**Step 2.** Press **OK** key when the required device is chosen. The following prompt message will be displayed for you to reconfirm.

	R	e	m	o	v	e	:		(	O	k	?)	
R	C	M	R	.	S	M	I	T	H				

**Step 3.** Press **OK** key. Deleting a device is now completed.

<NOTE>

- If the selected sensor/zone is not what you want to delete, press **G** to exit, the device list is again displayed for you to make another selection.
- If **Remove Device** menu is chosen while no device has been installed, following display will be shown for 2 sec. then return to the **Device +/-** menu.

		N	o	d	e	v	i	c	e				
		a	v	a	i	l	a	b	l	e			

**Step 4.** Proceed to remove other devices or Press **G** key to return to **Device +/-** menu.

### Siren Settings

<IMPORTANT NOTE>

- Program Siren** option will be available in **Device +/-** menu only when any detector or Remote Controller has been added already.

If an outdoor Bell Box (BX-8/BXA-8/BX-18) or Indoor Siren (SR-8/SRA-8/SR-18), is to be included in the system, it should be programmed first by the Control Panel, so that the Control Panel can communicate with these auxiliary devices.

To program these auxiliary devices, select **Program Siren** in the **Device +/-** menu.

		L	e	a	r	n	S	i	r	e	n		
		S	i	r	e	n	T	a	m	p	O	f	f
		S	i	r	e	n	T	a	m	p	O	n	
		C	o	n	f	i	r	m	O	n			
		C	o	n	f	i	r	m	O	f	f		
		E	n	t	r	y	S	n	d	O	n		
		E	n	t	r	y	S	n	d	O	f	f	

- Learn Siren**

If any detector or Remote Controller has been added already:

**Step 1.** Put the desired Auxiliary sirens into learn mode (Please refer to their individual Operation Manual).

**Step 2.** Move the cursor to the position **Learn Siren** and press **OK** key. The screen displays "**Pls wait RF transmitting**", and a learning code is transmitted to BX-8/SR-8 (refer to the operation manual of the devices to finish further processes).

**Step 3.** After exiting the auxiliary devices out of Learn mode, the learning process is then complete.

<NOTE>

- If any of these devices does not respond, make sure that the device is in learn mode and repeat all steps.
- Once they are learnt-in, a PIN code plus **OK** key will make the Control Panel to transmit a signal to all of them.

<IMPORTANT NOTE>

- The following option is only available for setting the already learnt-in sirens. Any setting changes apply to all sirens.

- Siren Tamp. On, Siren Tamp. Off**

This is to enable or disable all siren tamper remotely. It is specially designed for replacing battery.

- Disable the Siren tamper switch by selecting **Siren Tamp. Off**. All added sirens will temporarily lose their Tamper Protection for an hour.
- Enable the Siren tamper switch by selecting **Siren Tamp. On** again. All added sirens will be enabled with Tamper protection simultaneously.

<NOTE>

- Siren tamper disable will automatically revert to **On** after an hour if it is not switched back remotely.

- Confirm On, Confirm Off**

This is to enable or disable all sirens to play system arming or disarming confirmation beeps.

- Disable the Siren Confirmation by selecting **Confirmation Off**.
- Enable the Siren Confirmation by selecting **Confirmation On**.

- Entry Snd On, Entry Snd Off**

This is to enable or disable all sirens to play Entry Delay warning beeps.

- Disable the Siren Entry Sound by selecting **Entry Snd Off**.
- Enable the Siren Entry Sound by selecting **Entry Snd On**.

- **Learn IP Camera (CTC-1816)**

To learn in a IP camera (only for CTC-1816), you have to use the Program Siren function.

## PSS Settings

### <IMPORTANT NOTE>

☞ **PSS setting** option will be available in **Device +/-** menu only when any detector or Remote Controller has been added already.

**Step 1.** Select **PSS Setting** and then press **OK** key. The following screen will be displayed.

o	C	h	a	n	n	e	l	1						
	C	h	a	n	n	e	l	2						
	C	h	a	n	n	e	l	3						
	C	h	a	n	n	e	l	4						
	C	h	a	n	n	e	l	5						
	C	h	a	n	n	e	l	6						
	C	h	a	n	n	e	l	7						
	C	h	a	n	n	e	l	8						

**Step 2.** Select one of Channels 1-8 and press **OK** key.

**Step 3.** The screen will display:

o	D	i	s	a	b	l	e							
	S	M	S	C	o	n	t	r	o	l				
	B	u	r	g	l	a	r							
	S	e	t	/	U	n	s	e	t	(	A	l	l	)
	S	e	t	/	U	n	s	e	t	(	A	)		
	S	e	t	/	U	n	s	e	t	(	H	)		
	S	e	t	/	U	n	s	e	t	(	D	)		
	S	e	t	/	U	n	s	e	t	(	N	)		
	F	i	r	e										
	G	a	s											
	W	a	t	e	r									
	P	a	n	i	c									
	S	i	l	e	n	t	p	a	n	i	c			
	M	e	d	i	c	a	l							

**Step 4.** Select the desired attribute and press **OK** key.

- **Disable** is set as factory default
- **SMS Control:** the power switch can only be controlled by SMS.
- **Burglar:** When a burglar alarm is triggered, PSS will turn on; when

the system is disarmed, PSS will turn off.

- **Set/Unset (All):** When Set/Unset is selected, **NC** (normal close) / **NO** (normal open) options will be displayed.

When set as **NC** and system is disarmed, PSS will turn on. When system is armed (Away/home/day home/night home), PSS will turn off.

When set as **NO** and system is disarmed, PSS will turn on. When system is armed (Away/home/day home/night home), PSS will turn on.

**Set/Unset (A):** When set as **NC** and system is disarmed, PSS will turn on. When system is armed (Away), PSS will turn off.

When set as **NO** and system is disarmed, PSS will turn on. When system is armed (Away), PSS will turn on.

**Set/Unset (H):** When set as **NC** and system is disarmed, PSS will turn on. When system is armed (Home), PSS will turn off.

When set as **NO** and system is disarmed, PSS will turn on. When system is armed (Home), PSS will turn on.

**Set/Unset (D):** When set as **NC** and system is disarmed, PSS will turn on. When system is armed (Day Home), PSS will turn off.

When set as **NO** and system is disarmed, PSS will turn on. When system is armed (Day Home), PSS will turn on.

**Set/Unset (N):** When set as **NC** and system is disarmed, PSS will turn on. When system is armed (Night Home), PSS will turn off.

When set as **NO** and system is disarmed, PSS will turn on. When system is armed (Night Home), PSS will turn on.

- **Fire:** When a fire alarm is detected, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Gas:** When a gas alarm is detected, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Water:** When a water alarm is detected, PSS will turn on; when

the system is disarmed, PSS will turn off.

- **Panic:** When a panic alarm is detected, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Silence Panic:** When a silent panic alarm is detected, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Medical:** When a medical alarm is detected, PSS will turn on; when the system is disarmed, PSS will turn off.

**Step 5.** The following screen will be displayed:

	I	S	P	S	S	L	E	D					
	f	l	a	s	h	i	n	g		(	O	K	?)

**Step 6.** Press & hold the **Test Button** of PSS for 8 sec until the LED of PSS starts flashing.

**Step 7.** Press **OK** key on control panel and the screen will display:

	T	r	a	n	s	m	i	t	t	i	n	g	.	.
	P	l	e	a	s	e	w	a	i	t				

The control panel is transmitting signal to the power switch now.

**Step 8.** If the signal is received by PSS successfully, the following screen will be displayed for 2 sec.

L	e	a	r	n	i	n	g		p	r	o	c	e	s
	w	a	s		f	i	n	i	s	h	e	d		

#### <NOTE>

- ☞ If this message does not appear, please repeat steps 1-7.

**Step 9.** The system will then return to channel menu automatically.

## GSM Menu

o	G	S	M		s	i	g	n	a	l				
	G	S	M		r	e	s	e	t					

### GSM Signal

C-FENCE HOME utilizes GSM as its telephone interface for communication purpose. Selecting GSM Signal in the Programming Main Menu can monitor the GSM signal.

G	S	M		S	i	g	n	a	l					
		P	l	e	a	s	e		W	a	i	t		

The current GSM signal strength in RSSI scale (0 ~ 9 with 9 being the highest strength value) will be displayed on LCD and may vary due to change of environment.

		G	S	M		S	i	g	n	a	l			
		R	S	S	I		=		9					

#### <NOTE>

- ☞ If the panel can not get current GSM signal, the following screen will be displayed:

		G	S	M		S	i	g	n	a	l			
		R	S	S	I		=	U	n	k	n	o	w	n

### GSM Reset

GSM module will be reset once **OK** is pressed, with 30 sec of time out period.

	G	S	M		R	e	s	e	t	i	n	g		
		0	4	2		S	e	c						

#### <NOTE>

- ☞ If the screen automatically returns to the Programm Menu after the setting, this means the reset process is successful.
- ☞ After successful resetting, the following screen will be displayed and the panel will automatically returns to program menu.

	G	S	M		R	e	s	e	t					
		i	s		s	u	c	c	e	s	s	f	u	l

- On the other hand, the following screen will be displayed indicating the failure of resetting procedure:

	G	S	M		R	e	s	e	t					
		F	A	I	L	!								

- You can quit the setting by press **G**. The following screen will be display:

	D	o		y	o	u		w	a	n	t			
				t	o		q	u	i	t	?			

- Press **OK** and the system will return to Program menu; Press **G** will than continue the resetting produce again.

# 3.0 Operation

## <IMPORTANT NOTE>

- ☞ While entering PIN code, if incorrect codes have been inputted for 4 times or over 20 incorrect words have been entered, it will inhibit further key presses for 1 minute.

## 3.1 Entering User Menu

- When NO fault event exists in the system

When the system is in Alarm off mode, entering a valid user code can access the user menu, the system can then be armed or bypassed via this menu.

When the first numeric key is pressed, the display will show:

				E	n	t	e	r		C	o	d	e			
								*	.	.	.	.				

Enter the 4-digit user PIN code followed by **OK**, within 30 sec.

The options are available for user menu:

	F	a	u	l	t		D	i	s	p	l	a	y			
o	A	w	a	y		A	r	m								
	H	o	m	e		A	r	m								
	D	a	y		H	o	m	e		A	r	m				
	N	i	g	h	t		H	o	m	e		A	r	m		
	T	i	m	e	r											
	B	y	p	a	s	s										
	P	S	S													
	R	e	a	d		L	o	g								
	S	e	r	v	i	c	e		m	o	d	e				

## <IMPORTANT NOTE>

- ☞ The **Bypass** options will only become available on the LCD screen when at least one device is learnt successfully.
- When fault event exists in the system  
If there is any fault event occurred in the system, whenever the user menu is entered, the Fault Display section will appear on the first line of the line of the list for indication.

## <NOTE>

- ☞ If arming the system is wished, please refer to section **Forced Arming** below.
- ☞ After 2 mins of key-inactivity, the system will automatically exit User Menu and return to stand-by mode.

## 3.2. Away Arm Mode (Alarm ON)

### 3.2.1 Away Arming the System

If the system is in Alarm off mode, and Away Arming the system is wished, please follow the steps below:

- Step 1.** Move the cursor to **Away Arm** position and press **OK**. The following screen will display:

				T	i	m	e		T	o		E	x	i	t	
						3	0		s	e	c					

The defined EXIT Delay timer starts to count down.

## <IMPORTANT NOTE>

- ☞ During the Exit Delay Count Down Period:
  - **Exit Delay Sound:**  
If it is set as **ON**, there will be one beep at every second performed until the Count Down timer expires.  
If it is set as **OFF**, a silent count down will be performed.
  - **Latch Report Option:**  
If it is set as **ON**, an Away Arming report will be sent to Central Monitoring Station.  
If it is set as **OFF**, no report will be send.

- Step 2.** When the **Exit Delay timer expires**, or the **Final Door is closed** (i.e. only if the Door Contact is set as Entry Attribute with Final Door option set as ON), the Control Panel will perform a long beep and the system is now in Away Arm Mode.

## <NOTE>

- ☞ When **Final Door Option** is set to **Off**, the Control Panel enters **Alarm On** mode only when the Exit Delay time is up.
- ☞ The system can also be armed by pressing the “LOCK symbol” the Remote controller (Only if the Remote Controller Entry option is Enabled).

### 3.2.2. Stopping the Exit Delay

The Exit can be stopped by using Control Panel / Remote Controller / Remote Keypad to disarm the system.

- Step 1.** Press **G** key, and the screen will ask you to enter User PIN code while the system continues to count down.
- Step 2.** Enter the User PIN code followed by **OK**, two short beeps will be performed indicating that the system is now returns to Alarm off mode.

### 3.2.3. Extend the Exit Delay

During the Exit Delay Period, the delay time can be extended by pressing the **ARM** button on the Remote Controller or Remote Keypad. Each time the **ARM** button is pressed, the delay time will start counting from the beginning.

#### <IMPORTANT NOTE>

- ☞ For the below options of **Home Arming**, they are specially designed to provide more flexibility to partially Armed the system.
- ☞ Depending on the assigned Device Attribute, the system will operate differently according to its natural of Attribute.

## 3.3. Home Arm

The Home Arm Mode allows the home to be Partial Armed, Thus, part of the System is protected with the Alarm, yet, the other areas allows the user to move freely without self triggering the alarm.

#### <NOTE>

- ☞ For those devices that their Device attribute is learnt as **Home Omit, Away Only & Away Entry&Day Home Omit&Night Home Omit** will **NOT** trigger the Alarm when they are activated.

### 3.3.1. Home Arming the System

- Step 1.** Move the cursor to **Home Arm** position

and then press **OK**.

The defined EXIT Delay timer starts to count down.

#### <NOTE>

- ☞ For the Exit Delay performance, please refer to the NOTE on Exit Delay Count Down Period under Section 2. Away Arm Mode.

- Step 2.** When the **Exit Delay timer expires**, the Control Panel will perform 3 beeps and the system is now in Home Arm Mode.

#### <NOTE>

- ☞ The system can also be armed by pressing the **HOME symbol** the Remote controller.

## 3.4. Timer

o	T	i	m	e															
	D	a	t	e															
	Y	e	a	r															
	D	a	y	l	i	g	h	t											

### 3.4.1. Time

This is for you to program the current time to be displayed. (Hour & minute)

		T	i	m	e	S	e	t	t	i	n	g							
		0	0	:	0	0							(	▲	▼	OK	)		

- Hour flashes first, use **▲&▼** keys to choose a correct number for the current hour. Hours are indicated by **00 ~ 23**.
- Press **OK** to confirm. Next, the screen will be displayed for you to set the correct minute.
- Minutes are then flashing.
- Use **▲&▼** keys to choose a correct number.
- Press **OK** to confirm.

### 3.4.2. Date

This is for you to set the current month & date.

		D	a	t	e	S	e	t	t	i	n	g							
		J	a	n	0	1							(	▲	▼	OK	)		

- Months flash first, use **▲&▼** keys to choose the current Month.
- Press **OK** to confirm. Next, the screen will be displayed for you to set the current day.
- Days are then flashing.

- Use ▲&▼ keys to choose the correct day.
- Press **OK** to confirm.

### 3.4.3. Year

This is for you to set the current year.

		Y	e	a	r	S	e	t	t	i	n	g		
		2	0	0	8			(	▲	▼	OK	)		

- Year flash first, use ▲&▼ keys to choose the current Year.
- Press **OK** to confirm.

### 3.4.4. Daylight

This is to set your local daylight saving time when needed.

o	D	i	s	a	b	l	e							
	S	t	a	r	t	M	o	n	t	h				
	E	n	d	M	o	n	t	h						

- **Disable** is set as factory default.

#### <NOTE>

☞ To enable Daylight saving function, both start month and end month must be set completely.

- **Start Month:**

**Step 1.** Select **Start Month** section and press **OK**.

	S	t	a	r	t	M	o	n	t	h				
			J	a	n			(	▲	▼	OK	)		

**Step 2.** Use ▲&▼ keys to choose the daylight starting month and press **OK**.

o	F	i	r	s	t	S	u	n	d	a	y			
	S	e	c	o	n	d	S	u	n	d	a	y		
	T	h	i	r	d	S	u	n	d	a	y			
	L	a	s	t	S	u	n	d	a	y				

**Step 3.** Choose the starting day and press **OK**.

	S	e	t	t	i	n	g	t	h	e				
			S	t	a	r	t	h	o	u	r			

**Step 4.** Press **OK**.

o	M	i	d	n	i	g	h	t						
	1	O'	c	l	o	c	k							
	2	O'	c	l	o	c	k							

**Step 5.** select the starting hour and press **OK**.

o	-	2	H	o	u	r	s							
	-	1	H	o	u	r								
	+	1	H	o	u	r								
	+	2	H	o	u	r	s							

**Step 6.** Choose the desired hour and press **OK**.

- **End Month:**

**Step 1.** Select **End Month** section and press **OK**.

	E	n	d	M	o	n	t	h						
			J	a	n			(	▲	▼	OK	)		

**Step 2.** Choose the daylight ending month and press **OK**.

o	F	i	r	s	t	S	u	n	d	a	y			
	S	e	c	o	n	d	S	u	n	d	a	y		
	T	h	i	r	d	S	u	n	d	a	y			
	L	a	s	t	S	u	n	d	a	y				

**Step 3.** Choose the starting day and press **OK**.

## 3.5. Bypass

The Bypass Arm mode allows the user to deactivate (Bypass) any sensor, so that it will not trigger the Alarm under any Arming Mode for one-time only operation.

This feature allows your home to be armed; yet the person inside the house can move freely in the area where the sensor is bypassed.

**Please note that this function is only displayed for oepraiton when one sensor has been learnt into the sytem.**

### 3.5.1. Bypass the System

**Step 1.** Move the cursor to **Bypass** and press **OK**.

All learnt devices will be listed in the order of zone numbers.

**Step 2.** Press ▲ & ▼ keys to select the zone to be Bypassed and press **OK**.

The following screen will be displayed:

D	C	B	a	c	k	d	o	o	r					
	B	y	-	p	a	s	s	:	(	O	k	?)		

**Step 3.** Press **OK** to confirm the selection. The selected device will be marked with a “\*” symbol at the front to indicate that device is now set as Bypassed.

**Step 4.** Repeat Steps 2-3 to continue selecting other devices that wished to be Bypassed.

**Step 5.** After all Bypassed sensors are chosen, press **G** to exit.

**Step 6.** Press **OK** to select any **Arming Mode**



- ☞ If sensor tampered or sensor out-of-order occurs, you can temporarily bypass it or permanently remove it.
- ☞ The force arming record can be checked in the **Log** section.

### 3.6.3. Arming with Door Opened

- While arming the system, if any Door Contact detected as Open, the Control Panel will perform a Ding-Dong sound to indicate arming is prohibited.
- If user manually shut the Door immediately, then, the fault display will be cleared automatically and the screen returns to **Alarm off**. You can then arm the system again.
- However, if you wish to put the system into Arm mode with the door still open, follow the Steps described in **Section 7. Force Arming** for operation.

### 3.6.4. Arming with IR Triggered

- While arming the system, if any PIR Motion Detector is activated, the Control Panel will prohibit the Arming within 5 sec of its activation.
- The user can only arm the system when the IR is not activated.

### 3.6.5. Arming with Supervisory Fault

- The PIR sensor, Door Contact, Water Sensor or Smoke Sensor, after installed, will transmit a periodic Supervision signal at intervals between every 30 to 50 min.
- When arming the system, if the Control Panel has not received the Supervisory Signal transmitted from any individual sensor over a pre-setting period, a fault event, **Lost of signal w/ sensor zone & name**, will be displayed on the screen.
- However, if you want to put the system into Arm mode with the supervisory fault, follow the Steps described in **Section 7. Force Arming** for operation.

### 3.6.6. Arming with MMS Transmission

- While arming the system, if the MMS function is activating (it indicates that the MMS function have not finished delivering captured images from CTC-852EP to preset destination), the LCD will display the message as below. If you wish to cancel the MMS function, press **OK** to confirm it.

		C	a	n	c	e	l		M	M	S						
		r	e	p	o	r	t		o	k	?						

## 3.7. Alarm Off Mode

If the system is in either the Away Arm mode or Home Arm mode (Alarm ON), enter your pin Code and press **OK**. If the PIN code is correct, the Control Panel will sound 2 short beeps and return to Disarmed mode. the display will show both screens at every second flash.

		A	l	a	r	m		O	f								
		0	0	:	0	1		0	1		J	a	n				

### <NOTE>

- ☞ When the system is Home Armed, pressing the **DISARM** button on the Remote Controller will disarm the system.
- ☞ When the system is Away Armed, pressing the **DISARM** button on the Remote Controller can disarm the sytem when either an **Entry** device has been triggered, or when the **Remote Controller Entry Enable** has been set to **ON**.

## 3.8. Event Log

There are total **255** of events can be memorised & saved in the Control Panel, including:

- ✓ All Alarm Events with Device ID
- ✓ All Arming, Force Arming, Partial Arming, By-Pass Arming and Disarming Events.
- The logged events are displayed in reversed order (i.e. most recent event first).
- The log is marked with a **Start** label before the most recent entry and **End** after the oldest entry.
- To View the Event Log:
  - Step 1.** When the system is under User Menu, move the cursor to Log position and then press **OK**.
  - Step 2.** The log can now be scrolled up and down and viewed with the ▲ & ▼ keys; the most recent event will be at the start.

				S	T	A	R	T									
								▼									

P	a	n	e	l													
	G	S	M		S	i	g	n	a	l							
	0	0	:	0	2		J	a	n		0	1					

:

0	0	:	0	0	J	a	n	0							
						^									
					E	N	D								

- Also, arming method is also recorded & viewed from the Log.

<EXAMPLE>

☞ If the display shows:

U	s	e	r	1											
	H	o	m	e	F										

This means, the system is Force to do Home Arm by User #1 PIN code.

### 3.9. Interaction Between C-Fence Home and CTC-852EP

After IR Camera (CTC-852EP) is learnt in, the IR Camera will capture images within an assigned area when an alarm is triggered and respond according to preset attributes.

**Step 1.** When the system gets into Arm mode, the IR Camera will start detection after 30-second warming up period.

**Step2A.** If the IR Camera(CTC-852EP) is triggered, the IR Camera starts taking photos. Then, the captured images will be transmitted into the Control

### 3.11. Stop the Alarm and Alarm Display

During any alarm, the Control Panel will sound its siren and report to the Central Monitoring Station and the display will show.

*	A	L	A	R	M	A	C	T	I	V	A	T	E	D
E	n	t	e	r	y	o	u	r	c	o	d	e	!	

#### 3.11.1. Stopping the Alarm

During an alarm, to stop the siren and clear display:

**Step 1.** Key in your PIN code, and then press **OK**.

<NOTE>

☞ if you press any key other than the first digit of your PIN code, the screen will prompt you to enter your PIN code.

**Step 2.** If the PIN code is correct, then the alarm sounding will be stopped.

<NOTE>

☞ During entering PIN code, if incorrect

Panel or the data will be transmitted to the Control Panel.

**Step2B.** After the IR Camera completes transmitting captured pictures, then it will change into the sleep mode and wait for the C-Fence Home to deliver a MMS message with pictures attached to preset e-mail account or cell phone

**Step2C.** After receiving a trigger signal from the IR Camera (CTC-852EP), the C-Fence Home will generate an alarm and proceed reporting immediately. The reporting sequence is SMS > MMS.

**Step3.** After the C-Fence Home completes reporting, the IR Camera will restart the detection.

<NOTE>

☞ If more than one CTC-852EP cameras are triggered, those triggered CTC-852EP cameras will transmit images to C-Fence Home after capturing images. The camera transmission sequence is random.

☞ If a camera finishes transmitting its captured images, it will restart again without proceeding with warm-up again.

codes have been inputted for 4 times or over 20 incorrect words have been entered, it will inhibit further key presses for 1 minute.

**Step 3A.** If the reporting is **not** complete, the screen will display:

R	e	p	o	r	t	i	n	g	.	.	.			
P	l	e	a	s	e	W	a	i	t	!				

After the system reported completely, the screen will show:

P	r	e	s	s	"	O	K	"						
t	o	c	o	n	t	i	n	u	e	!				

Press **OK** to continue.

**Step 3B.** If the reporting is complete, the display will show you the triggered event directly .

**Step 4.** The display will show you the device that triggered the alarm with its zone number is displayed:

A	l	a	r	m	S	t	a	r	t	e	d	b	y	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	--

0	1	)	.	I	R	H	a	I	I	w	a	y		
---	---	---	---	---	---	---	---	---	---	---	---	---	--	--

☞ If there is more than one alarm events have been raised, the Control Panel continues displaying the 2nd alarm event with 02). Starting at the beginning of the 2nd line.

**Step 5.** Repeat pressing further keys until all the alarm events are displayed thoroughly, and then press **OK**.

<NOTE>

☞ If the reporting has failure, the screen will display:

S	y	s	t	e	m	r	e	a	c	h	e	d		
N	o	n	e											

Press **OK** to continue.

☞ If the alarm is stopped within 90 sec. The system will send another alarm cancel reporting to the Central Morning Station and the screen will show:

A	l	a	r	m	s	t	a	r	t	e	d	b	y	
C	a	n	c	e	l									

Press **OK** to continue.

☞ If the alarm is stopped after 90 sec, the display of the Step 6 will not show.

**Step 6.** then the display will show:

C	l	e	a	r		A	l	a	r	m				
D	i	s	p	l	a	y	?	(	O	K	?)			

**Step 7.** Press **OK**, the display returns to **Alarm off**.

<NOTE>

☞ When an alarm (other than Panic Alarm) is raised, press the **Disarm** button on the Remote Controller will also stop the alarm (Optional).

### 3.11.2. Alarm Memory

If an alarm was raised without being silenced during your absence, and the alarm reporting has been carried out; the screen will stay on the **Alarm warning** display.

*	A	L	A	R	M	A	C	T	I	V	A	T	E	D	
E	n	t	e	r		y	o	u	r		c	o	d	e	!

- When you come back and disarm the system by pressing the **DISARM** button on the Remote controller, the **Alarm warning** display still remains unchanged.
- To clear the display, follow the same steps as **Stopping the Alarm** described above, you can see the source of the alarm.
- If more than one alarm events including **Device Tampered** have occurred, repeated pressing further keys, the alarm events will be displayed one by one sequentially until all events have been displayed, then the screen returns to **Alarm off**.

## 3.12. False Alarm Management

C-FENCE HOME has 3 regulatory false alarm management facilities built-in:

- ✓ Dual-Ply Entry Warning
- ✓ Alarm Abort Reporting
- ✓ Sequential Verification Alarm Reporting

### 3.12.1. Dual-Ply Entry Warning

- This is to warn the user that an alarm report to the Central Monitoring Station will be made.
- If a zone programmed as **Entry** or **Away Entry**, with no correct PIN code entered within the programmed Delay period, and then a 30-sec internal alarm period is given before an alarm report is made.
- If a valid user PIN code is entered within the 30-sec internal alarm period, the alarm sounding will be stopped and the system returns to normal status without sending report.
- If no valid user PIN code is entered, a burglar alarm will be sent.

### 3.12.2. Mis Operation Reporting

- Automatically, with latchkey reporting (**Latch Rpt**) being set to **On**, all Arm / Home / Disarm actions of the User PIN code is reported to the Central Monitoring Station every time.

### 3.12.3. Sequential Verification Reporting

- A sequential verification alarm report is generated when a second alarm from a different Burglar DC or Burglar IR is registered within a 30-min period.
- This Sequential Verification Report will be sent in addition to the zone alarm report.
- Alarms cannot be verified after the Entry Delay has been initiated.

### 3.13. Faulty Situations

- The Control Panel is capable of detecting following fault events:
  - ✓ Control Panel Low Battery
  - ✓ AC Power Fail
  - ✓ Sensor Out-of-order
  - ✓ Sensor Low Battery
  - ✓ Device and Control Panel Tamper
  - ✓ Interference Detection (Only for 868MHZ Control Panel)
  - ✓ GSM-Related Failure
- In case any fault condition is detected, the Control Panel will respond with a **Fault** display and/or **Fault** alarm respectively according to the nature of the faulty event.
- **Device Sabotaged**
  - The Control panel, Door Contact, Remote Keypad & PIR & IR Camera (CTC-852EP) sensors are **Tamper** protected.
    - ◆ **Control Panel**  
A Tamper switch protects C-Fence Home from any removal attempts away from its cross mounting bracket
    - ◆ **PIR Sensor / IR Camera(CTC-852EP)/Door Contact / Remote Keypad / Bell Box (BX-15)**  
A Tamper switch protects the enclosure from either being opened or being removed from the mounting surface.
- **Sensor Low battery**  
If the battery voltage of PIR sensor, IR Camera(CTC-852EP), Door Contact, Remote Keypad, Water Sensor, Remote Controller, Bell Box (BX-15) or Smoke Sensor is low, a Sensor Low Battery message will be detected.
- **Sensor out-of-order**  
The Control Panel is able to receive the supervisory signal from its devices to

indicate their proper functioning.

- If the Control Panel does not receive the signals transmitted from an individual sensor within the pre-set Supervision time, a **Sensor out of order** fault event will be displayed on the screen and the system will send report to the Central Monitoring Station immediately.
- The PIR Sensor, Door Contact, Water Sensor and Smoke Detector will send supervised-signal to the Panel at intervals between 30~50 min. The system will according to the setting of the Supervision send report.

When the Control Panel cannot receive the supervised signal from the device for preset supervisory period, the yellow LED lights while the fault message "**Lost of signal & sensor zone & name**" can be viewed on LCD. Meanwhile, a sensor out-of-order report is sent to the Central Monitoring Station.

- **Interference**  
C-FENCE HOME will detect interference only on the 868Mhz band.  
After a continuous interference signal is present for more than 30 seconds, an interference event can be logged, reported and displayed on the LCD (if programmed so).
- **GSM-Related Failure**
  - ◆ **GSM Signal**  
If GSM module is not connected to the GSM Base Station or if there is any failure in the GSM Connection.
  - ◆ **GSM Module Missed**  
If the GSM module is missing.
  - ◆ **GSM PUK**  
When GSM Service is locked by the GSM Base Station, **GSM PUK** will be displayed to remind the user to ask for the PUK Code from the Base Station to unlock the service.
  - ◆ **SIM Card**  
If the SIM card is missing or has not been put in place.

#### 3.13.1. Fault Message Display

- When any fault situation persists, the Control Panel will respond as below when it

is in Alarm off mode:

- Yellow LED on – Indicate that there is fault situation in the current Operating Area.

<b>Yellow LED display:</b>	
<b>Area</b>	<b>Fault situation</b>
light on	Fault exists
off	No fault

- The LCD will display the type and source of the fault in the **Fault Display** section of the User Menu.
- A warning beep will sound at every 30 seconds.
- If a fault condition is detected while the system is in full arm mode, the fault event display will not be generated until the system is disarmed.

### 3.13.2. Clearing Fault Message Display

- The Yellow LED will turn off automatically once all of faulty conditions are restored, or any faulty devices are removed. It can't be cleared manually.
- On the contrary, the fault message display retains even though the faulty conditions have been restored.
- The fault message can only be cleared manually after the fault condition has been rectified.

### 3.13.3. Viewing/Clearing the Fault Message

To check what the fault condition is,

**Step 1.** When the system is in Alarm off mode. Enter your PIN Code followed by **OK**.

**Step 2.** The screen will display

		<b>F</b>	<b>a</b>	<b>u</b>	<b>l</b>	<b>t</b>		<b>D</b>	<b>i</b>	<b>s</b>	<b>p</b>	<b>l</b>	<b>a</b>	<b>y</b>		
		<b>A</b>	<b>r</b>	<b>m</b>												

and the cursor stays at **Fault Dsp**

**Step 3.** Press **OK** to select **Fault Dsp**

**Step 4.** All the fault events are listed. Use ▲&▼ key to move the cursor downwards or upwards. The screen is also scrolled down or up respectively.

**Step 5.** After viewing all the fault events, press **G** key, a prompt message is displayed.

		<b>C</b>	<b>l</b>	<b>e</b>	<b>a</b>	<b>r</b>		<b>F</b>	<b>a</b>	<b>u</b>	<b>l</b>	<b>t</b>			
		<b>D</b>	<b>s</b>	<b>p</b>	<b>:</b>			<b>(</b>	<b>O</b>	<b>K</b>	<b>?)</b>				

**Step 6.** Press **OK**, then the fault event, which the fault condition has been rectified, will be cleared and the screen returns to **Alarm off**.

### <NOTE>

- ☞ In **Step 6**, if **G** key is pressed, the screen returns to **Alarm off**, the Yellow LED stays on, the Control Panel keeps sounding a short beep every 30 seconds, and the fault event display retains.
- ☞ If the fault condition has not been rectified, the fault event display will not be cleared. It will come on again while you try to arm the system and the faulty condition inhibits the system from being armed, then the fault message will be displayed again. The fault event display can be cleared only after the fault condition has been rectified.
- ☞ Even when the fault message is cleared, the fault event is still retained in **Log**.

### 3.13.4. Fault Event Response

- When a fault condition is detected, in addition to the fault display, the Control Panel will also respond separately according to the nature of the fault event.
  - **AC Power Fail / Restore**
    - ◆ When the AC power fails, the yellow LED will light, the fault message will be displayed and the system will send a AC Power Fail report via SMS message to the first telephone number.
    - ◆ Whenever Tel number exists, and power is restored from complete power interruption (either restored by AC or battery), the system will send an AC Power Restore report via SMS message to the first telephone number in 5 minutes.

### ■ Control Panel Low Battery

### <IMPORTANT NOTE>

☞ 30 minutes before powering on the Control Panel, if the battery switch is put on OFF position, the Control Panel will not detect battery condition.

- ◆ Any time the Panel battery Low is detected, the Control Panel will report via SMS message to the first telephone number in 2 minutes.
- ◆ However, when the battery restored, an **L.B. Restore** will be reported via SMS message in 30min .

#### ■ Panel Sabotaged

##### <IMPORTANT NOTE>

☞ Please refer to 2.1.3.14 Tamper alarm under section General Setting to set the tamper alarm reporting method.

☞ To restore the tamper alarm function, hook the C-FENCE HOME unit to the wall mounting bracket again. Then place it to a desired location.

- ◆ If **Away Arm Only** is selected under Tamper alarm function, when the Tamper switch on the Control Panel is triggered while the system is in Armed mode, the Control Panel will sound an audible alarm and report **Panel Tamper** via SMS message to the first telephone number.

While the system is in Alarm off mode or Home mode, the siren doesn't sound, but report will be sent.

- ◆ If the **Normal** is selected under Tamper alarm function, when the Tamper switch on the Control Panel is triggered, the Control Panel will sound an audible alarm and report **Panel Tamper** via SMS message to the first telephone number.

#### ■ Sensor Low Battery

- ◆ Any time battery low on any sensor is detected, the Control Panel will report **Low battery** via SMS message to the first telephone number.
- ◆ Sensor battery restoration is also reported.

#### ■ Sensor Sabotaged

- ◆ If the Tamper switch on the PIR Sensor, Door Contact, Remote

Keypad, Bell Box (BX-15), is triggered while the system is in Arm mode, the Control Panel will sound an audible alarm and report **Burglar Alarm & Sensor Tamper Open** via SMS message to the first telephone number.

- ◆ While if the system is in Alarm off mode or Home mode, the siren doesn't sound, but report will be sent.
- ◆ The Control Panel will report, when the Tamper switch on the sensor is restored.

#### ■ Sensor out-of-order

- ◆ If the Control Panel can't receive the signals transmitted from an individual sensor over the preset supervisory period, a Lost of signal & sensor zone & name fault event will be displayed on the screen when you arm the system.
- ◆ If the Control Panel can't receive the signal, the system will send report via SMS message to the first telephone number.
- ◆ Sensor Restoration is also reported.

#### ■ Interference

- ◆ C-FENCE HOME will detect interference only on the 868Mhz band.
- ◆ When the system is programmed with Interference Detection On, and when there is an interference detected for 30 seconds, the Control Panel will report **Interference** via SMS message to the first telephone number.

### 3.13.5. Fault Message Nomenclature

- The fault event message is displayed in short form as below:

Fault Condition	—	Message displayed
Interference	—	<b>Interference</b>
AC Power Fail	—	<b>AC failure</b>
Control Panel low battery	—	<b>Panel L.B.</b>
Control Panel sabotaged	—	<b>Panel Tamper</b>
Sensor Low Battery	—	(Sensor w/ Zone Name) + <b>L.B.</b>
Siren Low Battery		(Indoor/outdoor Siren) + <b>L.B.</b>
Sensor Sabotaged	—	(Sensor w/ Zone Name) + <b>Tamper</b>
Siren Sabotaged		(Indoor/outdoor Siren) + <b>Tamper</b>
Sensor out-of-order	—	(Sensor w/ Zone Name) + <b>out</b>
Siren out-of-order		(Indoor/outdoor Siren) + <b>out</b>
GSM out of Signal	—	<b>GSM Signal</b>
GSM module missing	—	<b>GSM Missed</b>
GSM Pin Code, Incorrect/missing	—	<b>GSM Pin Code</b>
GSM locked by PUK	—	<b>GSM PUK</b>
SIM Card missing	—	<b>SIM Card</b>

#### <EXAMPLE>

If **DC Z 01 L.B.** is displayed, it means Zone 1 Door Contact is low battery.

#### <NOTE>

- While you arm the system, if any of Door Contact or PIR is triggered,, arming is also prohibited and the sensor triggered will be displayed as fault message.

Sensor triggered	Message displayed
Door Contact triggered	(DC w/ Zone Name) + <b>open</b>
PIR triggered	(IR w/ Zone Name) + <b>Active</b>

### 3.14. Remote Commanding

The Unit can be controlled by Remote Control Commands sent call or SMS messages.

#### Via SMS message

**Remember to change the Language setting of your mobile phone to English before proceeding.**

- SMS Remote Control Command Table**

Control Command	Result
<b>00</b>	Confirmation message
<b>10</b>	Disarm
<b>11</b>	Arm
<b>601~640</b>	CTC-852EP IR camera takes a photo immediately.
<b>80</b>	O/P Deactivation
<b>81</b>	O/P Activation
<b>510</b>	1 <sup>st</sup> Power Switch Off
<b>520</b>	2 <sup>nd</sup> Power Switch Off
<b>530</b>	3 <sup>rd</sup> Power Switch Off
<b>540</b>	4 <sup>th</sup> Power Switch Off
<b>550</b>	5 <sup>th</sup> Power Switch Off
<b>560</b>	6 <sup>th</sup> Power Switch Off
<b>570</b>	7 <sup>th</sup> Power Switch Off
<b>580</b>	8 <sup>th</sup> Power Switch Off
<b>51100</b>	1 <sup>st</sup> Power Switch On
<b>52100</b>	2 <sup>nd</sup> Power Switch On
<b>53100</b>	3 <sup>rd</sup> Power Switch On
<b>54100</b>	4 <sup>th</sup> Power Switch On

<b>55100</b>	5 <sup>th</sup> Power Switch On
<b>56100</b>	6 <sup>th</sup> Power Switch On
<b>57100</b>	7 <sup>th</sup> Power Switch On
<b>58100</b>	8 <sup>th</sup> Power Switch On
<b>51101~51199</b>	1 <sup>st</sup> Power Switch On for 1 Hour to 99 Hours
<b>52101~52199</b>	2 <sup>nd</sup> Power Switch On for 1 Hour to 99 Hours
<b>53101~53199</b>	3 <sup>rd</sup> Power Switch On for 1 Hour to 99 Hours
<b>54101~54199</b>	4 <sup>th</sup> Power Switch On for 1 Hour to 99 Hours
<b>55101~55199</b>	5 <sup>th</sup> Power Switch On for 1 Hour to 99 Hours
<b>56101~56199</b>	6 <sup>th</sup> Power Switch On for 1 Hour to 99 Hours
<b>57101~57199</b>	7 <sup>th</sup> Power Switch On for 1 Hour to 99 Hours
<b>58101~58199</b>	8 <sup>th</sup> Power Switch On for 1 Hour to 99 Hours

● **IR Camera Command Format:**

<b>6</b>	<b>X</b>	<b>X</b>
<b>Fixed</b>	<b>Zone Number</b>	

**6xx=** The IR Camera Command always starts from the number 6.

**xx=** XX is a two-digit number, representing zone number (from 01 ~ 40)

<NOTE>

☞ Capture images of the CTC-852EP will be delivered to preset destinations configured by the MMS function, but they won't be delivered via SMS.

**3.14.1 With Confirmation Message**

**Step 1.** Use your handset and go into the SMS edit screen.

**Step 2.** Enter your **SMS keyword**, which is programmed under the programming menu. (See '**SMS Keyword**' on page 18)

**Step 3.** Enter a **space**.

**Step 4.** Enter 4-digit corresponding user pin code.

**Step 5.** Enter a **space**.

**Step 6.** Enter the **Control Command**.

**Step 7.** Enter a **space**.

**Step 8.** Enter **00**.

**Step 9.** You have now completed to edit the command message. You can send it to the panel.

**Step 10.** Wait for the panel to send back a confirmation message. The format will be:

**“Confirmation, (SMS keyword) (PIN Code) (Control Command) 00”**

☞ Only when the Control Unit receives an valid command, confirmation message will be sent. The Confirmation message will be: “Confirmation, Joe 1234 11 00”.

<EXAMPLE>

If you send your control command in this format:

**Ex: Joe\_1234\_11\_00**

**3.14.2 Without Confirmation Message**

**Step 1.** Use your handset and go into the SMS edit screen.

**Step 2.** Enter your **SMS keyword**, which is programmed under the programming menu.

**Step 3.** Enter a **space**.

**Step 4.** Enter your **corresponding User PIN code**.

**Step 5.** Enter a **space**.

**Step 6.** Enter the **Control Command**.

**Step 7.** You have now completed to edit the command message. You can send it to the panel.

<NOTE>

<b>-Joe</b>	→	SMS Keyword
—	→	Space
<b>1234</b>	→	User pin code
—	→	Space
<b>11</b>	→	Control Command
—	→	Space
<b>00</b>	→	confirmation

☞ The panel will not send any message back to your handset.

## 4. Appendix

### 4.1 Response table

For Alarm Activation by Events and Control Panel Responses, please refer to the following table:

### Control Panel Mode & Response Table

Alarm attribute		Disarm	Away Arm	Home Arm	Day Home Arm	Night Home Arm	Away/ Home Arm Exit	Away Arm Entry	Home Arm Entry
Burglar	" B "	No Response	Instant Burglar Alarm						
Home Omit	" O "	No Response	Instant Burglar Alarm	No Response	No Response	No Response	No Response	Instant Burglar Alarm	No Response
D.Home Omit	"DO"	No Response	Instant Burglar Alarm	No Response	No Response	Instant Burglar Alarm	No Response	Instant Burglar Alarm	No Response
N.Home Omit	"NO"	No Response	Instant Burglar Alarm	No Response	Instant Burglar Alarm	No Response	No Response	Instant Burglar Alarm	No Response
Home Access	" A "	No Response	Instant Burglar Alarm	Start Entry Timer	Start Entry Timer	Start Entry Timer	No Response	No Response	No Response
Delay Zone	" D "	No Response	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	No Response	No Response	No Response
Away only	" Y "	No Response	Instant Burglar Alarm	No Response					
Entry	" E "	Door Chime	Start Entry Timer	Start Entry Timer	Start Entry Timer	Start Entry Timer	No Response	No Response	No Response
Away Entry	" P "	Door Chime	Start Entry Timer	No Response					
24 HR	" H "	Instant Burglar Alarm							
Fire	" F "	Instant Fire Alarm							
Medical	" M "	Instant Medical Alarm							
Water	" W "	Instant Water Alarm							
Set/Unset	" S "	Arm \ Disarm							
Silent Panic	" S "	Instant Silent Panic Alarm							
Personal Att	" PA "	Instant Panic Alarm							

## 4.2 Device Naming

Each individual User or detector can be given a name for easy recognition when understanding system events. User Names or device names can be named when first setting them or by editing them afterwards when resetting them, the procedure is similar for both situations.

- When the **Enter New Name** or **Enter Zone Name** screen is displayed, the keypad can be used to enter text. Simply locate the corresponding numeric keys to the desired alphabets/symbols and press repeatedly until the wanted alphabets/symbols appear. Release the key and the flashing cursor automatically jumps to the next position for you to continue with the next letter by the same method. The keys have the following functions:

1	1 , ! ? - 【 】 @ /
2	2 A B C Å Ä a b c å ä
3	3 D E F d e f
4	4 G H I g h i
5	5 J K L j k l
6	6 M N O Ö m n o ö
7	7 P Q R S p q r s
8	8 T U V t u v
9	9 W X Y Z w x y z
0	0 <space> / - & ' . " + :
↵	Delete character and backspace

- When the name is complete, press **OK** to confirm and return to the previous or main menu.

### <NOTE>

- ☞ The name can be erased by clearing the display by entering backward spaces and pressing **OK**.

## 4.3. Reset Procedure

### Reset to Factory Default Setting

The Control Panel can clear all programmed parameters by the following sequence:

1. Power down the Control Panel and remove the battery.
2. Press and hold ▲ key while supply power to the Control Pane.

3. Then, the screen will display the software version.

T	e	s	t	m	o	d	e								
1	9	1	6	-	B	0	L	E	0	6	E	0	0		

4. Enter the following keys sequence:  
▲▼▲▼▲▼▲▼, **OK**
5. Press the **G** key
6. All programmed parameters are reset to factory default setting.
7. If incorrect key entered, then the unit will revert to normal **Alarm Off** mode.

### <NOTE>

- ☞ Once the **System Reset** is executed, all the programmed data are returned to its default value and all the devices having been learnt-in are removed. You have to do the programming and learn in the device one by one again.

# Safety information

## PIN-codes and passwords

C-Fence Home has from the factory some default PIN-codes and passwords. We want with this text inform you about the security risk if you do not change these codes.

Following codes comes set by factory and we strongly recommend that all of these codes should be changed after you have finished the installation. Don't forget to write down the new codes and save them in a secure place, otherwise you might have to make a factory reset of the alarm system to regain access.

## PIN-codes



### Factory default: 1234

- ◆ This code is used to arm, disarm the system and also to get into the user menu where you can read faults, logs, control PSS and set time/date for the panel.

## Programmer code



### Factory default: 1111

- ◆ This code is used together with the PIN-code to access the programmer menu where the most basic settings is made, such as; change PIN-codes, in/out timers, add/remove devices and other settings for the panel.

## Installaer code



### Factory default: 7982

- ◆ This code is used together with the PIN-code to access the installer menu where more advance settings is made, such as; How and where reporting should be done, MMS- and GPRS-settings and supervision.

## SMS Password



### Factory default: [Not set from factory]

- ◆ This password is used together with a PIN-code to control the alarmsystem by sms, such as; Arm/disarm, image request and

PSS-controlling.

## SMS Prog.Password



### Factory default: PROG

- ◆ This password is used together with the installer-code to change settings by SMS-commands. Almost all settings that can be done directly on the panels keypad can also be done by SMS-programming.

# Programming the panel by SMS

FUNCTION	COMMAND	EXAMPLE	DESCRIPTION
SMS Prog-password	KEYWD	<b>PROG 7982 KEYWD:Jack</b>	Is used to set the SMS Prog-password, max. 15 digits.
SMS Keyword	UKYWD	<b>PROG 7982 UKYWD:Mary</b>	Is used to set the SMS Keyword, max. 15 digits
Tel- Account 1	ACNT1	<b>PROG 7982 ACNT1:A1241</b>	Is used to set a 4 or 6-digit account number for Contact-ID reporting for the <b>first</b> number in <b>Tel.number</b> -list. A → SID; 1241 → 1 <sup>st</sup> Account for <b>first</b> telephone number(example).
		<b>PROG 7982 ACNT1:B1241</b>	B → CID; 1241 → 1 <sup>st</sup> Account for <b>first</b> telephone number(exempel).
Tel-Account 2	ACNT2	<b>PROG 7982 ACNT2:A2241</b>	Is used to set a 4 or 6-digit account number for Contact-ID reporting for the <b>second</b> number in <b>Tel.number</b> -list. A → SID; 1241 → 1 <sup>st</sup> Account for <b>second</b> telephone number(example).
		<b>PROG 7982 ACNT2:B2241</b>	B → CID; 1241 → 1 <sup>st</sup> account number (example).
TEL1	TELN1	<b>PROG 7982 TELN1:026935288</b>	Changes reporting number on place <b>1</b> (Max.30 digits)
TEL2	TELN2	<b>PROG 7982 TELN2:026935299</b>	Changes reporting number on place <b>2</b> (Max.30 digits)
MMS TEL/E-MAIL	MMSRP	<b>PROG 7982 MMSRP:10707123456</b>	Changes MMS-reporting numer or address. 1=first reporting number (this example is for reporting to a celluar phone) (2=second reporting number, 3=third reporting number...and so on...)
		<b>PROG 7982 MMSRP:2info@electia.se</b>	This example is for reporting to an e-mail address.
		<b>PROG 7982 MMSRP:2guest:guest@ftp.el ectia.se:21/</b>	This example is for reporting to a FTP-server.
MMS Settings	MMSAP	<b>PROG 7982 MMSAP:emome</b>	To set MMS APN. Max 31 digits
	MMSUS	<b>PROG 7982 MMSUS:emome1234</b>	To set MMS APN User name. Max 15 digits.
	MMSPA	<b>PROG 7982 MMSPA:1234</b>	To set MMS APN Password, max 15 digits.
	MMSUR	<b>PROG 7982 MMSUR:www.proxy.com</b>	To set MMS APN URL. max 67 digits.
	MMSIP	<b>PROG 7982 MMSIP:10.1.1.1</b>	To set MMS PROXY ADDR. Max 15 digits.
	MMSPO	<b>PROG 7982 MMSPO:8080</b>	To set MMS PROXY PORT. Max 5 digits.
Installer code	ICODE	<b>PROG 7982 ICODE:7983</b>	To change the installer code.
Alarm length	ALENG	<b>PROG 7982 ALENG:02</b>	Alarm length, can be set from <b>00</b> to <b>15</b> minutes
Exit sound	AEXTS	<b>PROG 7982 AEXTS:0/1/2</b>	To set exit sound for Away arm: 0 → (disable) 1 → (low volume) 2 → (high volume)
Entry sound	AENTS	<b>PROG 7982 AENTS: 0/1/2</b>	To set entry sound for Away arm: 0 → (disable) 1 → (low volume) 2 → (high volume)
Home arm exit sound	HEXTS	<b>PROG 7982 HEXTS: 0/1/2</b>	To set exit sound for <u>Home omit.</u> 0 → (disable) 1 → (low volume) 2 → (high volume)
Home arm entry sound	HENTS	<b>PROG 7982 HENTS: 0/1/2</b>	To set exit sound for <u>Home omit.</u> 0 → (disable) 1 → (low volume) 2 → (high volume)

FUNCTION	COMMAND	EXAMPLE	DESCRIPTION
GPRS Settings	APNSR	<b>PROG 7982</b> <b>APNSR:INTERNET</b>	Set APN(GPRS) (Max 30 digits) INTERNET → Value
	TCIP1	<b>PROG 7982</b> <b>TCIP1:1192.168.1.234</b>	Set IP-address for reporting (Supplied by your monitoring station) 1192.168.1.234 → 1=IP Address
	PORT1	<b>PROG 7982 PORT1:50000</b>	Set port for reporting (Supplied by your monitoring station, max 5 digits)
	IPAC1	<b>PROG 7982 IPAC1:1223</b>	Set account number for GPRS reporting 4 or 6 numbers for the first IP-account number.
Siren delay	SDELA	<b>PROG 7982 SDELA:00</b>	Sets the delay for sirens, Available from <b>00</b> up to <b>10</b> minutes.
Verification	VERIF	<b>PROG 7982 VERIF:0/1</b>	To set verification option function: 0 → Disable 1 → Enable
Final door	FNLDR	<b>PROG 7982 FNLDR:10/20</b>	Sets option for final door: 0 → Disable 1 → Enable
Interference	JAMMG	<b>PROG 7982 JAMMG:0/1</b>	Sets option for interference logging: 0 → Ej aktiv, 1 → Aktiv
Warning beep	WARNB	<b>PROG 7982 WARNB:0/1/2</b>	Sets option for warning beep for the panel. 0 → 0 (disable), 1 (low volume), 2 (high volume)
Dörrvarning	DOORW	<b>PROG 7982 DOORW:0/1</b>	Sets option for door warning. 0 → (disable) 1 → (enable)
PIN-code 1	CODE1	<b>PROG 7982 CODE1:12341</b>	To change PIN-code 1: 1234 → (new PIN-code 1) 1 → (Reporting ON)
PIN-code 2	CODE2	<b>PROG 7982 CODE2:12340</b>	To set PIN-code 2: 1234 → (new PIN-code 2) 0 → (Reporting OFF)
PIN-code 3	CODE3	<b>PROG 7982 CODE3:12341</b>	To set PIN-code 3: 1234 → (new PIN-code 3) 1 → (Reporting ON)
PIN-code 4	CODE4	<b>PROG 7982 CODE4:12340</b>	To set PIN-code 4: 1234 → (new PIN-code 4) 0 → (Reporting OFF)
PIN-code 5	CODE5	<b>PROG 7982 CODE5:12341</b>	To set PIN-code 5: 1234 → (new PIN-code 5) 1 → (Reporting ON)
PIN-code 6	CODE6	<b>PROG 7982 CODE6:12340</b>	To set PIN-code 6: 1234 → (new PIN-code 6) 0 → (Reporting OFF)
Temporary code	TCODE	<b>PROG 7982 TCODE :12341</b>	To set temporary code: 1234 → (code) 1 → (Reporting ON)

<b>FUNCTION</b>	<b>COMMAND</b>	<b>EXAMPLE</b>	<b>DESCRIPTION</b>
Exit timer	EXARM	<b>PROG 7982 EXARM:00</b>	Set exit timer; (00 for 0 sec, 10 for 10 sec, ..., 70 for 70 sec)
Entry timer	ENARM	<b>PROG 7982 ENARM:00</b>	Set entry timer; (00 for 0 sec, 10 for 10 sec, ..., 70 for 70 sec)
Exit timer Home Omit	EXHOM	<b>PROG 7982 EXHOM:100</b>	Set exit timer for <b>Home omit</b> ; (00 for 0 sec, 10 for 10 sec, ..., 70 for 70 sec)
Entry timer Home Omit	ENHOM	<b>PROG 7982 ENHOM:100</b>	Set entry timer for <b>Home omit</b> ; (00 for 0 sec, 10 for 10 sec, ..., 70 for 70 sec)
Master-code	MCODE	<b>PROG 7982 MCODE:2222</b>	Change Master-code: 2222 → (new Master-code)
Duress-code	DCODE	<b>PROG 7982 DCODE:3333</b>	Change duress-code: 2222 → (new duress-code)
Mobility alarm	MOBIL	<b>PROG 7982 MOBIL:0</b>	0 → (Av)
		<b>PROG 7982 MOBIL:1</b>	1 → (On - 4 hours)
		<b>PROG 7982 MOBIL:2</b>	2 → (On - 8 hours)
		<b>PROG 7982 MOBIL:3</b>	3 → (On - 12 hours)
AC Report	ACRPT	<b>PROG 7982 ACRPT:0/1</b>	Välj om strömavbrottsrapportering ska vara på eller av: 0 → Disable      1 → Enable
Local Siren	LSIRN	<b>PROG 7982 LSIRN:10/20</b>	Sets option for local siren: 0 → Disable      1 → Enable
Tamper alarm	TAMPE	<b>PROG 7982 TAMPE:0</b>	0 → Always starts an alarm
		<b>PROG 7982 TAMPE:1</b>	1 → Starts alarm only if system is in <b>Away arm-mode</b>
Supervision	SUPPR	<b>PROG 7982 SUPPR:00</b>	00 → Supervision disabled
		<b>PROG 7982 SUPPR:04</b>	04 → 4 Hours
		<b>PROG 7982 SUPPR:06</b>	06 → 6 Hours
		<b>PROG 7982 SUPPR:08</b>	08 → 8 Hours
		<b>PROG 7982 SUPPR:12</b>	12 → 12 Hours
		<b>PROG 7982 SUPPR:24</b>	24 → 24 Hours
Latch selection	LATCH	<b>PROG 7982 LATCH:10/11/12</b>	Sets option for Latch reporting 0 → Reporting Optional 1 → Latch ON 2 → Latch OFF
Door bell	CDOOR	<b>PROG 7982 CDOOR:0/1/2</b>	Change option for door bell. 0 → Disable    1 → Low volume      2 → High volume
Remote control entry option	RCENT	<b>PROG 7982 RCENT:0/1/2</b>	Sets possibility to disarm system by remote control: 0 → Optional 1 → Allowed 2 → Not allowed

# DECLARATION OF CONFORMITY

Herewith, Electia AB, declares that this C-Fence Home (CTC-1916) is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC and RoHS 2002/95/EC

Härmed intygar Electia AB att C-Fence Home (CTC-1916) står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG och RoHS 2002/95/EG.

Peder Ljungstedt  
Produktansvarig  
Electia AB

**CE 0678**



At the end of the products life, it should NOT be disposed in the household waste. Get advice from your local authority for correct, environmentally friendly disposal.

## Batteries

Do not dispose used batteries in the household waste! They shall be deposited at a specific collection point for used batteries.