Gardasoft

CTC-1241GT

Wirefree
communicating
alarm system

Installation

Programming

Operating

25-MAR-2010

For THIRKILD DENMARK

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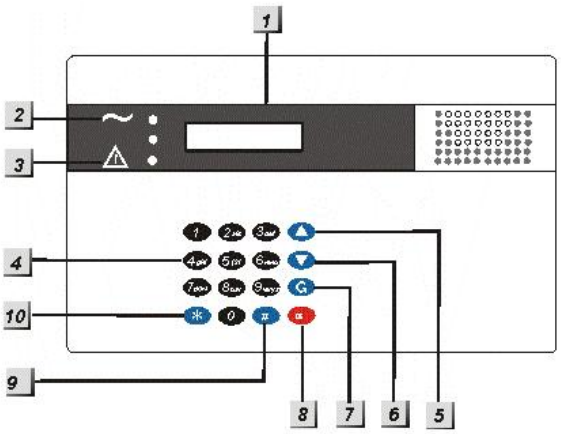
1. Application Overview

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.

FAULT LED FLASH - Indicate that there is fault situation in the Operating Area. Please refer to the section **4.16.1. Fault Message Display** by **Operation**.

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

4 **Backlit Numeric keys**

5 **Backlit ▲ Key**

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

6 **Backlit ▼ Key**

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

7 **Backlit ↺ Key**

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

8 **Backlit OK Key**

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

9 **Backlit # Key**

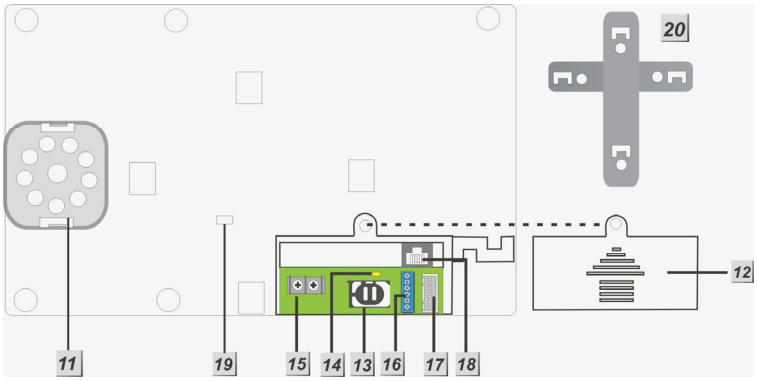
— Press & hold for 2 sec to enter the Programming menu.

10 **Backlit ∗ Key**

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

<NOTE>

☞ In Alarm off mode, press & hold **#** key with ∗ Key for 3 sec to change between Areas 1 & 2.



11 **Buzzer**

12 **Power Supply Compartment Cover**

13 **GSM SIM Card Base**

This slot is for inserting a SIM card.

14 **GSM LED**

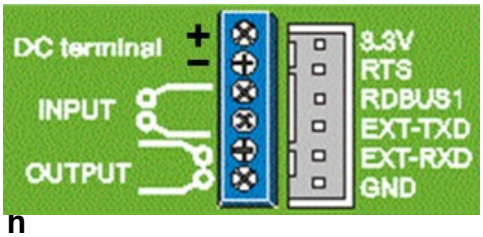
LED ON/OFF – Indicate that there is a faulty situation for GSM moudle or SIM card installation. Please check the section 4.16 to solve the problem.

LED FLASH – Indicate normal operation.

15 **AC Power Terminal**

For Input of one AC power source of 100 to 240V 50/60Hz.

16 **Input/Output Contact Point & DC Terminal**



n

17 **Flash Update/KP-18 Wire (RJ-11-XH) Connector**

18 **Internet Connection**

Internet Cable connection from wall

19 **Battery Switch**

20 **Wall Mounting Cross Bracket**

1.2. Insert GSM SIM Card

CTC-1241 Panel features built-in GSM communication facility to report to the Monitoring Station.

- **To Insert your SIM card:**

<NOTE>

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

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 gently.
- Remember to lock the SIM card base by sliding the cover toward **LOCK** direction.

1.3. The Power Supply

CTC-1241GC is designed with an AC power adapter built-in; hence, any power supplying to this unit should only be installed by a professional installer.

Take the electric wires from the electric outlet on the wall and connects the two wires to the **AC Power terminals**.

- **Rechargeable Battery**
  - In addition to the adapter, there is a rechargeable battery inside the Control Panel that serves as a back up powering source in case of any power failure condition.
  - The battery used is a 7.2V 1600 mAH Ni-MH rechargeable battery pack.
  - During normal operation, the AC power adapter is used to supply power to the Control Panel and at the same time recharge the battery.
  - When the battery is fully charged, it can provide back-up power for a period of at least 10 hours. It takes approximately 48 hours to fully charge the battery.
  - Battery Switch is set as **ON** by factory default. If switched to **OFF**, the battery will not be charged when AC power is connected, nor will it serve as a back-up power source when AC power is missing.

<NOTE>

- ☞ Both **Backlit LCD display** and **16-button keypad** are equipped with backlit to add the convenience of easy operation in dark. However, when the AC power is missing and for the reason of energy conservation of the rechargeable battery, both Backlit features will be disabled until the AC power is supplied again.
- ☞ Whenever IP+account number settings exist, and power is restored from complete power interruption (either restored by AC or battery), the system will send an AC Power Restore report (code **3301**) to the Central Monitoring Station in 1 hour.
- ☞ For all other battery status, please refer to section 4.16.

1.4. Connecting the Wired Devices

Two of each Input & Output contact point can be found next to the SIM card base for the connection of other wired devices (please refer to section **2.4. I/O Config**).

1.5. 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 is convenient to operate.

- Using the 4 holes of the Wall Mounting Bracket as a template, mark off the holes' positions.
- Drill 4 holes and affix the screws & plugs provided.
- Hook the CTC-1241 unit onto the Wall Mounting Bracket (holding the unit with the front facing you).

1.6. Four – Level Passwords

In order to provide highest security in operating the system, CTC-1241 offers 4 levels of authorization.

<IMPORTANT NOTE>

- ☞ There are two operation areas in the system. Each area can be set / programmed individually.
- ☞ To change between areas 1 & 2, press & hold # and ∗ for 3 sec, two short beeps will sound.

User PIN Code

- PIN Code is the 1st level of passwords.
- Areas 1 & 2 can have up to 50 PIN codes in total. You may set any combination within the two areas, as long as they add up to 50. (E.g. 8 PIN in Area 1 + 42 in Area 2, or 30 in Area 1 + 20 in Area 2.)
- When an identical PIN code is in both Areas 1 & 2, then that PIN code becomes Global PIN. When entering Global PIN code in either area, you may select to control either area or both areas (please refer to section ***4.1. Entering User Menu***).

< IMPORTANT NOTE>

- ☞ No two codes can be identical within the same area. 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 the panel asks to key in **Enter Code** or **P-Code**, please enter your User PIN Code.
- User Pin Codes:
  Pin Code #1, Area 1: **1234**
  Pin Code #2, Area 2: **4321**
  Set as factory default.
- User 3-50 PIN codes are deactivated by factory default.

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:
  Area 1 & 2: **1111**
  Set as factory default.

Installer Code

- The Installer Code is for the installer to program system parameters under installer menu, such as Tel. Number, Account Number, etc.
- When the display panel asks for **I-Code**, please enter your Installer Code.
- Installer Code:
  Area 1 & 2: **7982**
  Set as factory default.

Guardian Code

- The Guardian Code has the same authorization as the PIN Code. It is designed for patroller of the Central Station.
- Guardian Code:

  It is a 4-digit number and is generated automatically by the Control Panel by reversing the digit sequence of the 4-digit Account Number.

<EXAMPLE>

☞ If the Account Number is set to “6327”, then the Guardian Code is automatically assigned to be “7236”.

- Guardian code 1 is from the reciprocal of the IP account #1.
- Guardian code 2 is from the reciprocal of the IP account #2.
- Guardian code 3 is from the reciprocal of the telephone account #1.
- Guardian code 4 is from the reciprocal of the telephone account #2.

<NOTE>

☞ Normally, the system status of Arming / Disarming will only report to Central Monitoring Station if the user PIN Code Latch Select is set to ON.

However, whenever the patroller uses Gardian code to arm / disarm the system, the panel will report the arm / disarm status to Central Monitoring Station, even if Latch Select is set as OFF.

1.7. Getting Started

<IMPORTANT NOTE>

☞ The Control Panel has a **Screen Saver** feature. The **Alarm on / off** message will be displayed for 180 secs. Then, only the current date & time will be displayed.

☞ During 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 Alarm off mode in order to save the changes. If not returned to Alarm off 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 a long beep. **Alarm On** will be displayed on the first line, and **00:01 01 Jan,** Area **1** will be displayed on the second line of the screen, indicating the system is in Away mode (factory default).

Step 3. Key-in your 4 digits User 1 PIN Code within 30 sec.

Step 4. Press **OK**. You will hear 2 short beeps and the display will show.

		A	**l**	**a**	**r**	**m**		**O**	**f**	**f**				
		0	**0**	**:**	**0**	**1**		**J**	**a**	**n**		**0**	**1**	**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 the previous mode.

☞ In Step 3, 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. Installer Set Up

This menu is for the installer to configure the system which is inaccessible by users.

Step 1. Press ✱ key for 2 sec.

The screen will prompt you to enter the **User** PIN code for either Area 1 or 2 (depending on current operating area).

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

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

The screen will prompt you to enter the Installer code.

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

Step 3. Key in Installer code (default: **7982**) within 30 sec.

Step 4. Press **OK** to see available selections:

o	R	e	p	o	r	t	i	n	g					
	I	n	s	t	a	l	l	e	r		c	o	d	e
	A	r	e	a										
	I	/	O		C	o	n	f	i	g				
	C	o	m	m	o	n	.	S	e	t	t	i	n	g

<NOTE>

☞ The cursor is indicated by a flashing dot on the upper left corner.

Step 5. Press ▲&▼ keys to move the cursor downward or upward. The screen is also scrolled down or up respectively.

Step 6. Press **OK** to confirm the selection.

<NOTE>

☞ In installing mode, if no key is pressed within 5 minutes, the Control Panel will automatically exit installing mode to Alarm Off mode.

☞ To change and save any settings, enter the programming menu in Alarm off mode only. If not in Alarm off mode or if AC power & battery are both off, then the changes will not be saved.

☞ Regardless if any editing is made or not, whenever exiting installing mode, a reporting (Contact ID event code 628) will be sent to the Central Monitoring Station.

2.1. Reporting

This menu is for installer to programm/set all requirments for reporting purposes.

Selections available are:

o	T	e	l	.	S	e	t	t	i	n	g	s		
	I	P	.	S	e	t	t	i	n	g	s			v
	S	M	S		N	u	m	b	e	r	s			
	B	a	c	k	-	u	p		m	e	t	h	o	d
	R	e	t	r	y		m	e	t	h	o	d		

<IMPORTANT NOTE>

☞ The reporting via IP connection is always in higher priority than reporting via Tel. Numbers.

If BOTH IP & Tel. numbers are set as either First Priority or Second Priority, the reporting will start with IP first.

2.1.1 Tel. Settings

o	T	e	l	.	N	u	m	b	e	r				
	A	c	c	o	u	n	t							v

2.1.1.1 Tel. Number

In **Tel. Number** menu, it allows you to set/change/delete the Central Monitoring Station or mobile telephone numbers for reporting purpose.

- **Store Tel. Numbers**

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

o		1	)	.	.	.	.							
		2	)	.	.	.	.							

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** key to choose the reporting priority sequence.

o	F	i	r	s	t		p	r	i	o	r	i	t	y	
	S	e	c	o	n	d		p	r	i	o	r	i	t	y

<IMPORTANT NOTE>

(1) First Priority: The system must report to this phone number first (in priority order) and successfully.

If more than one set of Tel. Number and/or IP Address (see section 1.2 IP. Setting) is set as first priority, all of them must be reported, and all reporting must be successful.

When both IP address and Tel. number are set as first priority, the IP address is in higher priority for reporting.

(2) Second Priority: For back-up reporting. The system excutes the reporting based on your setting as a back-up method. (see section ***2.1.3. Back-up Method***)

(3) If Tel. numbers 1) and 2) are BOTH set as either First Priority or Second Priority, then, the system will dial out number 1) first.

Step 5. 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 sound 5 beeps and no key can be pressed except ↻ 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. Numbers

Apply Steps 1-5 from **Store Tel. Numbers** section on the number that is wished to change. New numbers will overwrite the previous one.

● Delete Tel. Numbers

Step 1. Apply Steps 1 & 2 from **Store Tel. Numbers** section on the number that is wished to delete.

Step 2. Press ↻ key to cancel the numbers.

Step 3. Press **OK** and the previous stored number is now deleted.

2.1.1.2 Account

● Store Acc. Numbers

It allows you to set/change/delete the **4 or 6-digit** Account Number corresponded to the Central Station numbers that have been programmed.

Step 1. Move the curser to the **Account** submenu and press **OK** key.

o		1	)	.	.	.	.							
		2	)	.	.	.	.							

Step 2. Select 1 or 2, and press **OK** key.

E	n	t	e	r		A	c	c	.	N	o			
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Step 3. Key-in the 4- or 6-digit Account Number.

After the account number is entered, the system will show the display as bellow for you to select desired reporting format.

o	C	I	D											
	S	I	D											

A: CID → Contact ID format reporting to CMS Digital Receiver (for 4- or 6-digit account number)

The Control Panel sends reporting messages with Contact ID format to Central Monitoring Receiver. For Example, when the Wrist Transmitter (WTR) or Emergency Pendant is pressed, the Contact ID event code 101 will be sent.

B: SID → Contact ID format reporting to CMS SMS Receiver (for 4-digit account number)

The Control Panel sends SMS message with Contact ID format to Central Monitoring Receiver. For Example, when the Wrist Transmitter (WTR) or Emergency Pendant is pressed, the Contact ID event code 101 will be sent via SMS.

<IMPORTANT NOTE>

☞ If the Account number has not been entered, the Control Panel sends SMS text message for reporting. For example, “Area1 Panic Alarm”

- **Change/Delete Account Numbers**

Follow the same steps as described in previous sections: **Change/Delete the Tel. Number**.

<NOTE>

☞ The account number can be the numeric 0-9 or letter A-F.

☞ The keypad can be used to enter English alphabet. Simply locate the corresponding numeric keys to the desired alphabets/symbols and press repeatedly until the desired alphabets/symbols appear.

2	2ABC
3	3DEF

☞ The Account Number is a 4 or 6-digit number. Further key pressing of numeric number after 6-digits is prohibited and the Control Panel will emit a 5-beep error sound. When a number less than 4 digits is ended with OK, an error message **No. of digit must be 4 or 6** will be displayed, and you are requested to enter a new number again.

☞ The reciprocal of the account number is your Guardian Code. (See **Guardian Code** in the section 1.3.)

☞ The guardian code is for 4-digit account number only. If the Account number is 6-digit, the guardian code function will be disabled automatically.

2.1.2 IP. Settings

o	C	e	n	t	r	a	l		I	P				
	P	o	r	t		A	d	d	r	e	s	s		
	A	c	c	.	n	u	m	b	e	r				
	A	P	N	(	G	P	R	S	)					v
	U	s	e	r	n	a	m	e	(	G	P	R	S	)
	P	a	s	s	w	o	r	d	(	G	P	R	S	)

2.1.2.1 Central IP

In **Central IP** menu, it allows you to set/change/delete the public IP address of the Central Monitoring Station.

- **Store Central IP**

Step 1. Move the curser to the **Central IP** submenu and press **OK**.

o		1	)	.	.	.	.							
		2	)	.	.	.	.							

Step 2. Press **OK** key to enter **Central IP address**.

		C	e	n	t	r	a	l		I	P			
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Step 3. Key in Central Monitoring Station’s IP address.

For example, 59.124.123.23

☞ To put dot (·) for the IP address, press **0** key 7 times.

Step 4. Press **OK** key and then select **Save** to save the data; or select **Quit** to give up saving.

Step 5. Press **OK** key again to choose reporting priority sequence of each IP address.

<IMPORTANT NOTE>

☞ There are two Reporting options to choose for each IP address:

(1) First Priority: The system must report to this IP address first (in priority order) and successfully.

If more than one set of IP address (see section 2.1.1 Tel. Settings) and/or IP address is set as first priority, all of them must be reported, and all reporting must be successful.

When both IP address and Tel. number are set as first priority, the IP address is in higher priority for reporting.

(2) Second Priority: For back-up reporting. The system excutes the reporting based on your setting as a back-up method. (see section ***2.1.3. Back-up Method***)

(3) When both IP address and Tel. number are set as first priority, the IP address is in higher priority for reporting.

Step 6. Press **OK** to confirm your setting.

- **Change Central IP**

Apply Steps 1-6 from **Store Central IP** section on the number that is wished to change. New number will overwrite the previous one.

2.1.2.2 Port Address

It allows you to set/change/delete the port address corresponded to the Central Station IP address that have been programmed.

- If the Port Address for a particular priority number has not been stored, four dots are displayed to indicate the memory spot is empty.

<NOTE>

☞ Port Address is a max. 5-digit number. The 6th digit is prohibited and the Control Panel will emit a 5-beep error sound.

2.1.2.3 Acc. Number

It allows you to set/change/delete the Account Number corresponded to the Central Monitoring Station IP Address that has been programmed.

After the Central Monitoring Station's IP address is set, its corresponded **4 or 6-digit** account number will need to be entered.

<NOTE>

☞ Four dots are displayed to indicate no Account number has been set.

☞ The account number can be numers 0-9 or letters A-F.

☞ The keypad can be used to enter English alphabet. Simply locate the corresponding numeric keys to the desired alphabets/symbols and press repeatedly until the desired alphabets/symbols appear.

2	2ABC
3	3DEF

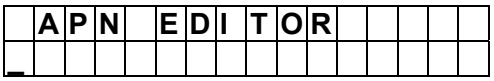
☞ The Account Number is a 4 or 6-digit number. Further key pressing of numeric number after 6-digits is prohibited and the Control Panel will emit a 5-beep error sound. When a number less than 4-digit is ended with OK, an error message **No. of digit must be 4 or 6** will be displayed, and you are requested to enter a new number again.

☞ The reciprocal of the account number is your Guardian Code. (Regarding to the function of the guardian code, please refer to section **Guardian Code** on page 3.)

☞ The guardian code is for 4-digit account number only. If the Account number is 6-digit, the guardian code function will be disabled automatically.

2.1.2.4 APN (GPRS)

Access Point Name (APN) is the name of an access point for GPRS. Please inquire your SIM card service provider for your APN.



Step 1. Enter your APN. (max. 31 digits / alphabets.)

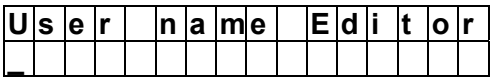
The keys have the following functions:

1	1 ， ！ ？ － 【 】 @ /
2	2 A B C Æ Å a b c æ å
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 Ø m n o ø
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

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

2.1.2.5 Username (GPRS)

The GPRS username is offered by your SIM card service provider supplier accordingly. Please inquire your service provider for your GPRS username. If no Usernames is required, you may skip this step.

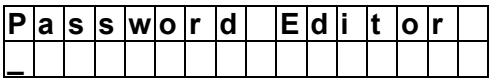


Step 1. Please enter your Username (max. 15 digits / alphabets.) and press **OK** key.

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

2.1.2.6 Password (GPRS)

The GPRS password is offered by your SIM card service provider accordingly. Please inquire your service provider supplier for your GPRS password. If no Password is required, you may skip this step.



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

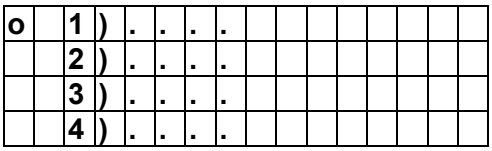
Step 2. Select **Save** to save the data; or select **Quit** to give up saving.

2.1.3. SMS Numbers

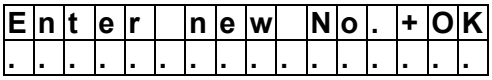
In an alarm event, panel/sensor fault, and status report, reporting also can be done by sending SMS messages to the mobile phone numbers programmed at this step.

- **Store Tel. Numbers**

Step 1. Move the curser to the **SMS Number** submenu and press **OK**.



Step 2. Select from 1 to 4, and press **OK** key to enter the phone number.



Step 3. Key-in desired phone number and press **OK** to save.

<NOTE>

☞ There is no priority order of the numbers. When a reporting is sent, all numbers enters will be sent altogether.

☞ The maximum length of a number is 30 digits. If this length is reached, the Control Panel will sound 5 beeps and no key can be pressed except ↺ 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.

<EXAMPLE>

☞ **acid1 Panel User 01 Area1 Cancel**
acid1 = SMS Header
Panel = Device (Control Panel)
User 01 = User PIN code # 1
Area 1 = Area 1
Cancel = Fault/status (alarm cancelled)

☞ **acid1 DC Z01 Area 1 Low battery**
acid 1 = SMS Header
DC = Device (Door Contact)
Z01 = Zone 1
Area 1 = Area 1
Low battery = Fault/status (low battery)

- **Change Tel. Numbers**

Apply Steps 1-4 from **Store Tel. Numbers** section on the number that is wished to change. New numbers will overwrite the previous one.

- **Delete Tel. Numbers**

Step 1. Apply Steps 1 & 2 from **Store Tel. Numbers** section on the number that is wished to delete.

Step 2. Press ↺ key to cancel the numbers.

Step 3. Press **OK** and the previous stored number is now deleted.

2.1.4. Back-Up Method

<IMPORTANT NOTE>

☞ This feature is only required if any phone numbers and/or IP address is set as **Second Priority** reporting source when they were programmed.

There are three reporting options to choose for each back-up phone numbers and/or IP address:

o	B	a	c	k	-	u	p		N	o	n	e		
	B	a	c	k	-	u	p		1					
	B	a	c	k	-	u	p		2					v

(1) Back-up None (default): The system will not report to any second priority IP Address nor phone number, unless all "**First Priority**" IP address/phone number failed.

(2) Back up 1: Rather than only report the **First Priority** IP addresses / phone numbers, the system is also required to report to one of the **Second Priority** IP addresses / phone numbers before the reporting terminates (with max of 5 retries).

(3) Back up 2: Rather than only report the **First Priority** IP addresses / phone numbers, the system is also required to report to two of the **Second Priority** IP addresses / phone numbers before the reporting terminates (with max of 5 retries).

☞ The Second Priority IP Address will be reported in higher priority than Second Priority Tel. Numbers.

2.1.5. Retry Method

Retry method is used to the reporting in preferred sequenced/method.

	O	n	e		b	y		O	n	e				
o	A	l	t	e	r	n	a	t	l	v	e			

- **One-by-One**

If **One by one** method is chosen, the system will try each IP Address or Phone to a max of 5 times before move on to the next priority.

<NOTE>

☞ An interval of report retry period is 8 secs.

☞ When the Control Panel is connected to the internet, IP reporting via internet (IP) has higher priority than via GPRS.

- If all set as first priority, calling sequences will be:

IP/GPRS #1 1st time → …→ IP/GPRS #1 5th time

IP/GPRS #2 1st time → …→ IP/GPRS #2 5th time

TEL #1 1st time → … → TEL #1 5th time

TEL #2 1st time → … → TEL #2 5th time

- **Alternative (default)**

If the **Alternative** method is chosen, the system will try reporting sequence in cycle of each IP addresses / Tel. numbers. A max of 5 cycles will be tried.

<NOTE>

☞ An interval of report retry period is 8 secs.

☞ When the Control Panel is connected to the internet, IP reporting via internet (IP) has higher priority than via GPRS.

- If all set as first priority, calling sequences will be:

IP/GPRS #1 → IP/GPRS #2 → TEL #1 → TEL #2…and repeat for 5 cycles

<NOTE>

☞ If no Account Number is programmed, the Control Panel will not dial.

☞ When only one Central Station telephone number is stored and that number is engaged, the Control Panel will automatically redial that number with an interval of 30 sec. between dialing attempts.

☞ When two Central Station telephone numbers are stored, the Control Panel will dial in accordance to the set priority order. If the number being dialed is engaged, it will try the next number. The redial interval between each number is 5 sec.

☞ No matter what the method of contact is, all First Priorities will be carried out before the system moves onto Second Priorities. Within the same level of priority, IP address still has a higher priority than Tel. number.

☞ No matter what the Retry Method is, if none of IP or Tel number go through in the first cycle, then the reporting will never give up. It will keep retrying until at least ONE IP or Tel go thru, then stop.

2.2. Installer code

- The Installer Code is used to enter Installer Menu.
- Factory default: **7982**

To set the Installer Code:

Step 1. Enter the Installer Code menu by press **OK**, then the the Installer Code Menu will be displayed.

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

Step 2. Enter your new 4 digit Installer code and press **OK** again. The following screen will be displayed:

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

Step 3. Enter your new installer code again and press **OK** to confirm. It will then return to the Installer menu.

<NOTE>

☞ In Step 2, if the code does not match, a Code incorrect prompt message will be displayed 2 sec., and you are requested to repeat Step 1.

☞ The password cannot be duplicated. If the code has been used, the screen will display **code in use** and require you re-enter a new code.

2.3. Area

<IMPORTANT NOTE>

☞ There are 2 operation Areas in each system, and each can be programmed independently.

This selection is used to select which Area you would like to program.

o	A	r	e	a		1								
	A	r	e	a		2								v

Select **Area 1** or **Area 2** and press **OK**, the screen will display its programming menu as following:

o	W	a	l	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			
	G	e	n	.		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	s		+	/	-			

2.3.1 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, pleas refer to section Appendix, Naming section for more information.

☞ If the code is not correct, a **Code is not correct** prompt message will be displayed 2 sec., and you are requested to repeat Step 2 to enter again.

☞ PIN code cannot be the same within the same area, but can be the same in the other area.

☞ If the code has been used, the screen will display **code in use** and require you re-enter a new code.

2.3.1.1 PIN Code

<IMPORTANT NOTE>

☞ There are two operation areas in the system. Each area can be set / program individually.

☞ To change in between areas 1 & 2, press & hold # and ∗ for 3 sec.

- 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 codes #3-#50 are deactivated by factory default.
- User Pin Codes:

  Pin Code #1, Area 1: **1234**

  Pin Code #2, Area 2: **4321**

  Set as factory default.

- **To set PIN code**

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

*	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 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 2.5.4 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/ day home/ night home armed or disarmed, the Panel will transmitt Contact ID code / SMS message / GPRS reporting (according to pre-setting) to notify the Central Monitoring Station.
- ☞ **Latch Reprot OFF** = Whenever the system is armed, home/ day home/ night 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 characters is allowed 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** represents User # 2 PIN code is set up, and a user name is specified.
- ☞ **3) ✱✱✱✱** represents User # 3 PIN code is setup, but without a user name specified.
- ☞ **4) ●●●●** represents User # 4 PIN code is not yet set up for activation.

Step 9. Proceed to set additional User PIN Codes as instructed from Steps 1-8.

<IMPORTANT NOTE>

- ☞ To name the User Names, please refer to section 5. Appendix, Naming section for more information.
- ☞ If the code is not correct, a **Code is not ncorrect** prompt message will be displayed 2 sec., and you are requested to repeat Step 2 to enter again.
- ☞ The code cannot be duplicated with any other codes. If the code has been used, the screen will display **code in use, select another** 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 ↵ key, the next screen will ask you to enter your new PIN code and repeat it to confirm.

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, Users (#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 ●●●●

2.3.1.2 Duress Code

- The Duress Code is designed for transmitting a secret & silent 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 as described in the previous section.**

2.3.1.3. Temporary Code

- Temporary Code is also used to arm/disarm the system, but it is for a temporary user. The temporary Code 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 Select must set as **Option** (please refer to section 2.5.4 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 as described in the previous section.**

2.3.2 Master code

- Master Code is used to access the Programming mode.
- Master Code: **1111**

  Set as factory default.
- **To set/change the Master Code, follow the same steps as those to set /change/delete the user PIN code as described in the previous section.**

2.3.3 Gen Setting (General 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			

2.3.3.1 A. Entry Timer (Away Entry Timer)

When Door Contact (DC) or PIR Detector (IR) is set as **Entry / Away Entry / Home Access** 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.

2.3.3.2 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.

2.3.3.3 H. Entry Timer (Home / Day Home / Night Home Entry Timer)

When Door Contact (DC) or PIR Detector (IR) is set as **Entry / Away Entry / Home Access** attribute, the system gets into counting down period (Home entry timer) while the DC or IR is triggered under Home / Day home / Night 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.
- **30 sec** is set as factory default.

2.3.3.4 H. Exit Timer (Home / Day Home / Night Home Exit Timer)

While the system gets into Home / Day Home / Night 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.
- **10 sec** is set as factory default.

2.3.3.5 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.

2.3.3.6 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.

2.3.3.7 H. Entry Sound (Home / Day Home / Night 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.

2.3.3.8 H. Exit Sound (Home / Day Home / Night 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.

2.3.3.9 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**											
	L	**o**	**w**												
o	**O**	**f**	**f**												

- **Area1 Off / Area2 Low** is set as factory default.

2.3.3.10 Warning Beep

<IMPORTANT NOTE>

☞ *This feature is only available for Area 1. Changes made in Area 1 apply to both Areas 1 & 2.*

This is for you to decide whether the Control Panel will sound a warning beep every 30 secs 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**											
	L	**o**	**w**												
o	**O**	**f**	**f**												

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

2.3.3.11 Mobility

This function is designed to avoid an accident (e.g. swoon or lost consciousness) happening 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 resets once one of the following conditions meet:

- In **Home** mode: whenever any key of Control Panel is pressed, or whenever any **Home Omit / Day Home Omit / Night Home Omit** DC or IR is triggered within the pre-set Mobility time period.
- In **Day Home** mode: whenever any key of Control Panel is pressed, or whenever any **Home Omit / Day Home Omit** DC or IR is triggered within the pre-set Mobility time period.
- In **Night Home** mode: whenever any key of Control Panel is pressed, or whenever any **Home Omit / Night 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**.

2.3.3.12 Local Siren

This is used to program whether the Control Panel raises local alarm while a 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. However, Water/Fire alarms are not affected and Local Siren still emits alarm sounds.

<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.

2.3.3.13 Interference

<IMPORTANT NOTE>

☞ *This feature is only available for Area 1. Changes made in Area 1 apply to both Areas 1 & 2.*

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 **Dectection Off** is selected, Control Panel will not check interference status.

2.3.3.14 Tamper Alarm

<IMPORTANT NOTE>

☞ *This feature is only available for Area 1. Changes made in Area 1 apply to both Areas 1 & 2.*

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

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

- **Normal** 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 (see sections 4.16 & 4.16.4).

  ☞ **Normal** means, Control Panel raises a local alarm for tamper-trigger and sends report to the monitoring center in all modes.

  ☞ 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.

2.3.3.15 AC Report

<IMPORTANT NOTE>

☞ *This feature is only available for Area 1. Changes made in Area 1 apply to both Areas 1 & 2.*

This is for you to decide whether the Control Panel should report to Central Monitoring Station when AC failure is detected.

o	R	e	p	o	r	t		o	n						
	R	e	p	o	r	t		o	f	f					v

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

<NOTE>

☞ When **Report on** is selected, the control unit will report an AC failure Contact ID code to Central Monitoring Station if AC fault resides for more than 50 mins. The reporting will be made within 10 mins after reaching the 50-min threshold.

☞ When **Report off** is selected, the control unit will not report any AC failure.

☞ Once AC power is restored, an AC restored Contact ID code will be reported to the Central Monitoring Station within 5 mins.

2.3.3.16 Alarm Length

This is for you to select the built-in siren 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 Min** is set as factory default.
- If **Disable** is selected, when the Control Panel receives an alarm signal, the panel siren and internal & external sirens (SR & BX) will not raise an alarm sound.
- If 1-15 min is selected and the local siren function is disabled (see section 2.3.3.12 above), the panel siren will not raise an alarm sound when alarm is triggered. However, the BX will raise siren based on your programming (see the operation manual of BX).
- If BX's alarm length is longer than the Control Panel's, the system gives priority to the Control Panel. (e.g. when the BX's 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 BX's LED keeps flashing until 3 mins is expired.

2.3.3.17 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 1-Min increments.

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 alarms will not be delayed (regardless of siren delay setting) when the following conditions are 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.

2.3.3.18 Final Door

When the system is under away arming (see section 4.2.1) with Final Door set to On and a Door Contact set as Entry device, the system will automatically full arm once the Door Contact is detected as closed, even 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** is set as factory default.

2.3.3.19 Verification

This is to set the Sequential Verification Reporting.

o	O	n												
	O	f	f											

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

<NOTE>

☞ If there are more than one PIR motion sensors or door contacts, whose attributes are 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.

2.3.4 SMS Header

The words, which you edit in SMS Header edit screen will display in the header of each SMS alarm message reported to your mobile phone for easy recognition.

For Example, if you enter your address in the SMS Header edit screen, your address show in SMS alarm messages; the format is (your address, Area1 Panic Alarm)

	E	d	i	t		S	c	r	e	e	n			

- A maximum of 64 characters is allowed.

<IMPORTANT NOTE>

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

The keys have the following functions:

1	1 ， ！ ？ － 【 】 @ /
2	2 A B C Æ Å a b c æ å
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 Ø m n o ø
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 steps described above.

2.3.5 SMS Keyword

To send remote commands to system via SMS message, a personalized password is required for CTC-1241 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 15 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 steps described above.

☞ Once an SMS keyword is set, you may use SMS text messages to change the Control Panel’s mode and to set On/Off PSS (please refer to section 4.17).

2.3.6 Devices +/-

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

<IMPORTANT NOTE>

☞ A total of 80 devices can be leant into the system.

		A	d	d		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
		P	r	o	g	r	a	m		S	i	r	e	n
		P	S	S		S	e	t	t	i	n	g	s	

2.3.6.1 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	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>

☞ Aavailable devices are listed as follow:

- ✓ Door Contact --- DC
- ✓ PIR Sensor --- IR
- ✓ Pet Immune PIR Sensor--IRP
- ✓ Remote Controller --- RC
- ✓ Carbon Monoxide --- CO
- ✓ Smoke Detector --- SD
- ✓ Water Sensor --- WS
- ✓ Panic Button --- PB
- ✓ Night Switch --- NS
- ✓ Tag Reader --- TG
- ✓ Two-way Radio Keypad --- KP-9, KP-18 (with LCD)
- ✓ Siren --- BX-15, SR-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 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				

The screen will return to Step 1 automatically for you to add a new device.

☞ Pressing ↩ key will abort the procedure and will not learn-in the device.

☞ Different screens will be displayed for different device types 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 situations.

- Device Attribute:

		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			
		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								
		S	e	t	\	U	n	s	e	t				
		N	-	H	o	m	e							
		2	4	H	-	S								

<NOTE>

☞ **B for *Burglar* Door Contact**

- When the system is in Away Arm / Home Arm / Day Home Arm / Night 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, an event Code **130** will be reported.

☞ 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. An event Code of **132** will be reported.
- When the system is in Home Arm / Day Home Arm / Night 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.

☞ DO for *Day Home Omit* Door Contact

- When the system is in Away arm / Night Home arm mode, if a **Day Home Omit** Door Contact is triggered, a burglar alarm will be activated immediately. An event Code of **132** will be reported.
- When the system is in Day Home mode, if a **Day Home Omit** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if a **Day Home Omit** Door Contact is triggered, the Control Panel will not respond.

☞ NO for *Night Home Omit* Door Contact

- When the system is in Away arm / Day Home arm mode, if a **Night Home Omit** Door Contact is triggered, a burglar alarm will be activated immediately. An event Code of **132** will be reported.
- When the system is in Night Home mode, if a **Night Home Omit** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if a **Night 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. An event Code of **130** will be reported.
- When the system is in Home arm / Day Home arm / Night 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.

☞ D for *Delay Zone* Door Contact

- When the system is in Away arm / Home arm / Day Home arm / Night Home arm mode, if a **Delay Zone** Door Contact is triggered, a burglar alarm will be activated immediately. An event Code of **130** will be reported.
- During the Entry Delay or Exit Delay period, if a **Delay Zone** 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 an **Away Only** Door Contact is triggered, a burglar alarm will be activated immediately. An event Code of **130** will be reported.
- When the system is in Home arm / Day Home arm / Night Home arm mode, if an **Away Only** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if an **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 / Day Home arm / Night Home arm mode, if an **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 is expired and no correct PIN code is entered to disarm the system, the Control Panel will respond with a **Burglar Alarm** after 30 secs and an event code **131** will be reported.
- 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). To program Door Chime, please refer to section 2.3.3.9.

☞ P for *Away Entry* Door Contact

- When the system is in Away arm mode, if an **Away 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 is expired and no correct PIN code is entered to disarm the system, the Control Panel will respond with a **Burglar Alarm** after 30 secs and an event code **131** will be reported.
- When the system is in Alarm off mode, if an **Away Entry** Door Contact is triggered, the Control Panel will make a ding-dong sound for Door Chime (if programmed).
- When the system is in Home arm / Day Home arm / Night Home arm mode, if an **Away Entry** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if an **Away Entry** Door Contact is triggered, the Control Panel will not respond.

☞ H for *24H* Burglar Door Contact

- The **24H burglar** Door Contact is active at all times and does not have to be armed or disarmed. An event code of **133** will be reported.

☞ F for *Fire* Door Contact

- The **Fire** Door Contact is active at all times and does not have to be armed or disarmed. An event code of **110** will be reported.

☞ M for *Medical* Door Contact

- The **Medical** Door Contact is active at all times and does not have to be armed or disarmed. An event code of **100** will be reported.

☞ W for *Water* Door Contact

- The **Water** Door Contact acts as an universal transmitter, and a wired water leakage sensor can be connected to it.
- The **Water** Door Contact is active at all times and will not have to be armed or disarmed. An event code of **154** will be reported.

☞ S for *Set/Unset* Door Contact

- If the Door Contact is set to **Set/Unset** with option selected as **NC** (normal close), when the Door Contact is disengaged, the system will enter Arm mode; when the Door Contact is engaged, the sytstem will enter Alarm off mode.
- If the Door Contact is set to **Set/Unset** with option selected as **NO** (normal open), when the Door Contact is engaged, the system will enter Arm mode; when the Door Contact is disengaged, the sytstem will enter Alarm off mode.

<NOTE>

☞ When the attribute is selected as Set/Unset, Latch Select must set as **Select** (please refer to section 2.5.4 for details) so that a Latch Report On/Off selection will appear.

☞ NH for *N-Home* Door Contact

- When the system is in Away arm / Home arm / Day Home arm mode, if an **N-Home** Door Contact is triggered, the Control Panel will start an entry period to give enough time to disarm the system.
- After the delay period is expired and no correct PIN code is entered to disarm the system, the Control Panel will respond with a **Burglar Alarm** after 30 secs and an event code **130** will be reported.

- When the system is in Night Home arm mode, if **N-Home** Door Contact is triggered, a **Burglar Alarm** will be activated immediately. An event Code of **130** will be reported.
- When the system is in Alarm off mode, if an **N-Home** Door Contact is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if a **N-Home** Door Contact is triggered, the Control Panel will not respond.

☞ **SP for *24H-Special* Door Contact**

- The **24H-Special** Door Contact is active at all times and does not have to be armed or disarmed. When a **24H-Special** Door Contact is triggered (both open and close), the Control Panel will report a secret alarm message (both open and close) without sounding the siren to the Central Monitoring Station and sending a SMS message to the mobile phone number (if programmed). An event code of **1150** for Open, and **3150** for Close will be reported.

StepA7. Use ▲&▼ keys to make your selection and confirm by pressing **OK** key.

StepA8. 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			

StepA9. 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 ↳ key is pressed during the Edit Name step, the Door Contact will use zone number to display instead of a name.

If the attibute selected is Set/Unset, please continue the below steps:

Step A10. Press **OK** key to confirm preferred Device attribtue. Choose whether you wish to enable or disable the Latch option and press **OK** key.

o		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 2.3.1.1 PIN Code setting, Step 5.

Step A11. Select **NO** (normal open) or **NC** (normal close) and press **OK** key to confirm.

o	N	O												
	N	C												v

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 Step A7 for adding Door Contact.

- ☞ **B for *Burglar* PIR Detector**
- ☞ **O for *Home Omit* PIR Detector.**
- ☞ **DO for *Day Home Omit* PIR Detector.**
- ☞ **NO for *Night Home Omit* PIR Detector.**
- ☞ **A for *Home Access* PIR Detector.**
- ☞ **D for *Delay Zone* PIR Detector.**
- ☞ **Y for *Away Only* PIR Detector.**
- ☞ **E for *Entry* PIR Detector.**
- ☞ **P for *Away Entry* PIR Detector.**

StepB7. Follow the same learning procedure as described in section 2.3.6.1 Add Devices, step A8-A9 to confirm learning & naming the 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 Home/Day Home/Night Home Arm mode, the Control Panel will emit a warning beep every 2 sec until the pre-defined Alarm Length expires. The LCD display remains 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

StepD7. After a zone number for the RC is assigned, the device attribute will be displayed for selection:

o	**S**	**i**	**l**	**e**	**n**	**t**		**P**	**a**	**n**	**i**	**c**		
	P	**e**	**r**	**s**	**o**	**n**	**a**	**l**		**A**	**t**	**t**		
	M	**e**	**d**	**i**	**c**	**a**	**l**		**E**	**m**	**g**			
	F	**i**	**r**	**e**										
	A	**U**	**X**											

<NOTE>

- ☞ **S for *Slient Panic* Remote Controller**

  If the device attribute is set as **Silent Panic**, when the panic button is pressed & held for 3 seconds or pressed twice within 3 seconds, Control Panel will report a **Slient Panic** alarm, without an audible siren. An event code of **122** will be reported.

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

  Control Panel will give a **Personal Attack** alarm when the panic button is pressed & held for 3 seconds or pressed twice within 3 seconds. An event code of **120** will be reported.

- ☞ **M for *Medical Emergency* Remote Controller**

  Control Panel will give a **Medical Emergency** alarm when the panic button is pressed & held for 3 seconds or pressed twice within 3 seconds. An event code of **101** will be reported.

☞ **F for *Fire* Remote Controller**

Control Panel will give a **Fire** alarm when the panic button is pressed & held for 3 seconds or pressed twice within 3 seconds. An event code of **110** will be reported.

☞ **AUX for *AUX* Remote Controller**

- When Output is set as N.O. (please refer to section ***2.4.2. Output Config***), and when the panic button is pressed & held for 3 seconds or pressed twice within 3 seconds. Output will switch to N.C. for 1 second, then switch back to N.O.
- When Output is set as N.C. (please refer to section ***2.4.2. Output Config***), and when the panic button is pressed & held for 3 seconds or pressed twice within 3 seconds. Output will switch to N.O. for 1 second, then switch back to N.C.

<NOTE>

☞ Remote Controller triggered AUX will not raise an alarm, nor will it be reported or logged.

StepD8. Press **OK** key to confirm preferred Device attribtue. Choose whether you wish to enable or disable the Latch option and press **OK** key.

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

<NOTE>

☞ For description of latch report option, please refer to section 2.3.1.1 PIN Code setting, Step 5.

StepD9. You are then requested to choose whether or not the system can be armed / disarmed via Remote Controller, followed by an **OK**.

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 section 2.5.7.

StepD10. Follow the same learning procedure as described in section 2.3.6.1 Add Device, steps A8-A9 to confirm learning & naming the device.

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

Remote Keypad

A. KP-9

Step 1. Key-in the 4 digit PIN code of KP-9 (0000 is set as factory default) followed by the ∗ key. A long beep will sound on KP-9 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 **7** on KP-9 to transmit a learning code. A long beep will sound on KP-9 if the transmission is successful.

Step 4. After Control Panel receives the signal from KP-9, it will send an acknowledgement back to KP-9. KP-9 will then beep 3 times to confirm the acknowledgement has been received.

<IMPORTANT NOTE>

☞ If KP-9 does not perform 3 beeps in Step 4, please restart the learning procdeure from Step 1.

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

Step 6. Press **OK** to confirm the zone number.

Step 7. Select the KP's attribute and press **OK** to confirm & naming of the device.

∗	K	P												
	E	n	t	r	y									

<NOTE>

☞ When set as Entry, when the Control Panel is in Away / Home / Day Home / Night Home Arm mode, entering PIN code followed by pressing the KP's Disarm button, the Control Panel will start Entry Timer.

☞ When set as Entry, when the Control Panel is in Alarm Off mode, entering PIN code followed by pressing the KP's Disarm button, the Control Panel will emit 2 beeps.

☞ When set as Entry, when the Control Panel is in Alarm Off mode, entering PIN code followed by pressing the KP's Arm or Home Arm button, the Control Panel will enter Away or Home Arm mode.

B. KP-18

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

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

Step 2. Apply the AC Power for KP-18. The KP-18 LCD display will show:

	P	r	e	s	s		"	✱	"		k	e	y		
		f	o	r		l	e	a	r	n	i	n	g		!

<NOTE>

☞ If the KP-18 unit has been learnt into any other Control Panel before, KP-18 LCD display will show "**connecting…**" after the power is applied. If you would like to re-learn KP-18, press & hold the **#** key on KP-18 for 2 sec. You are required to enter KP PIN Code (default: 0000) to enter KP Test Mode. After entering the test mode, please follow steps 4-6 to relearn KP- LY.

Step 3. Press & hold the ✱ Key on KP-18 for 2 sec to enter KP Test Mode.

Step 4. Select **Learning** and press **OK** key. KP-18 LCD will show:

	w	a	i	t		l	e	a	r	n	i	n	g		
			C	o	n	f	i	r	m	.	.	.			

Step 5. Once the control panel receives the learning signal, an acknowledgment, "**Completed**", will be displayed on KP-18 with 2 beeps.

Step 6. At the same time, the screen on Control Panel will show:

	D	e	t	e	c	t	e	d	:	(	O	K	?	)	
	K	P	-	1	8										

<NOTE>

☞ If KP-18 did not receive the acknowledgement signal, a prompt message "**No response!**" will be displayed on KP-18 LCD for 2 sec. KP-18 will then return to test mode. Please repeat steps 4-6 to try again.

Step 7. Press **OK** key on the Control Panel to confirm. Another prompt message will be displayed for selecting its zone number.

Step 8. Press **OK** key to confirm the zone number and learning process.

Bell Box (BX-15)

Step 1. Loose the security screw of BX-15 and open the top case.

Step 2. Use a sharp object to slide DIP SW3 & SW4 on BX-15 function switch block to program your desired alarm period (see operation manual of BX-15).

Step 3. Put the Control Panel into **Device +/-** menu and select the **Add Devices** sub menu. The screen on Control Panel will show:

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

Step 4. Slide SW1 on BX-15 function switch block to ON position. BX-15 LED 1 & 3 will flash once with a short beep. BX-15 is now in learning mode.

Step 5. Press BX-15 Tamper Switch once to transmit learning code. BX-15 LED 1&2&3 lights on and BX-15 will start a 15-sec waiting period for receiving the acknowledgement from the Control Panel.

Step6. If the Control Panel receives the learning signal, the screen displays:

	D	e	t	e	c	t	e	d	:	(	O	K	?	)	
	B	X	1	5											

Press **OK** key to confirm. The screen displays:

	S	i	n	g	l	e		a	r	e	a				
	W	h	o	l	e		s	y	s	t	e	m			

- **Single area** means that BX-15 raises an alarm only when the sensor, which is learnt in this area, is triggered.
- **Whole system** means that BX-15 raises an alarm when any sensor, which is learnt in either Area 1 or Area 2, is triggered.

Step 7. Select either Single Area or Whole System and press **OK** key to confirm and to send an acknowledgement to BX-15. BX-15 will emit a short beep with LED 1&3 flashing once, to indicate that the learning process is successful.

<NOTE>

☞ Steps 5-7 should be finished within the 15-sec waiting period; otherwise the BX-15 LED dims and the learning process fails.

☞ If the learning process fails, please remove the BX-15 learning memory from the control panel and repeat steps 3-7.

Step 8. Slide SW1 on BX-15 to OFF position. BX-15 leaves learning mode.

Step 9. On the other hand, after step 7, the Control Panel requires you to program the sensor zone number.

Step10. Select the zone number and press **OK** key to confirm. Another prompting message will be displayed for selecting its zone name.

Step 11. Press **OK** key to confirm the zone number and learning process.

Indoor Siren (SR-15)

Step 1. Release the screws at the bottom of SR-15 and pull the outer case out carefully. Locate the Function Switch Block.

Step 2. Use a sharp object to slide DIP SW3 & SW4 on SR-15 function switch block for your desired alarm period (see operation manual of SR-15).

Step 3. Put the Control Panel into **Device +/-** menu and select the **Add Devices** submenu. The screen on Control Panel shows "✱Push button on ✱Device to add".

Step 4. Slide DIP SW1 on SR-15 function switch block to ON position. SR-15 will emit a short beep and enters learning mode.

Step 5. Press SR-15 Tamper Switch once to transmit learning code. SR-15 will beep once and start a 15-sec waiting period for receiving the acknowledgement from the Control Panel.

Step 6. If the Control Panel receives the learning signal, the screen displays:

	D	**e**	**t**	**e**	**c**	**t**	**e**	**d**	**:**	**(**	**O**	**K**	**?**	**)**	
	S	**R**	**1**	**5**											

Press **OK** key to confirm. The screen displays:

	S	**i**	**n**	**g**	**l**	**e**		**a**	**r**	**e**	**a**			
	W	**h**	**o**	**l**	**e**		**s**	**y**	**s**	**t**	**e**	**m**		

- **Single area** means that SR-15 raises an alarm only when the sensor, which is learnt in this area, is triggered.
- **Whole system** means that SR-15 raises an alarm when any sensor, which is learnt in either Area 1 or Area 2, is triggered.

Step 7. Select either Single Area or Whole System and press **OK** key to confirm and to send an acknowledgement to SR-15. SR-15 will emit two short beeps to indicate that the learning process is successful.

<NOTE>

☞ Steps 5-7 should be finished within the 15-sec waiting period; otherwise SR-15 beeps once and the learning process fails.

☞ If the learning process fails, please remove the SR-15 learning memory from the control panel and repeat steps 3-7.

Step 8. Slide DIP SW1 on the SR-15 to OFF position. SR-15 leaves learning mode.

Step 9. On the other hand, after step 7, the Control Panel requires you to program the sensor zone number.

Step10. Select the zone number and press **OK** key to confirm. Another prompting message will be displayed for selecting its zone name.

Step 11. Press **OK** key to confirm the zone number and learning process.

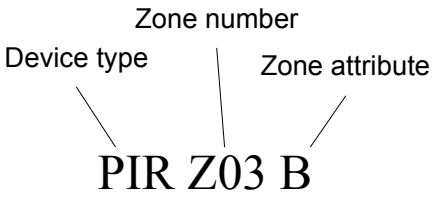
Other Devices

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

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.



2.3.6.2. 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 ↺ to exit.

		D	C		B	a	c	k	d	o	o	r		
		I	R		H	a	l	l	w	a	y			
		R	C		M	R	.	S	M	I	T	H		
		S	D		K	i	t	c	h	e	n			
		S	T	O	P									

To Edit DC/IR/RC

Step1A. Use ▲&▼ keys to scroll through 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	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 change is required here, press ↺ to skip to Step3A.

Step2A. Use ▲&▼ keys to scroll through 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 ↺, 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 ↺ 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 ↺ key to exit.

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

Step2B. Press ↺ 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 ↺ key to return to **Device +/-** menu.

2.3.6.3. Remove Devices

Adding a device for 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 the of 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 ↺ to exit, the device list is displayed again for you to make another selection.

☞ If **Remove Device** menu is chosen while no device has been installed, the 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 ↺ key to return to **Device +/-** menu.

2.3.6.4. Program Siren

<IMPORTANT NOTE>

- ☞ **Program Siren** option will be available in **Device +/-** menu only when any detector or Remote Controller has been added already.
- ☞ This feature is available for **868 AM & FM** only.

If an outdoor Bell Box (BX-8/BXA-8) or Indoor Siren (SR-8/SRA-8), 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:

o	S	i	n	g	l	e		a	r	e	a			
	W	h	o	l	e		s	y	s	t	e	m		

- ■ **Single area** means that BX/SR raises an alarm only when the sensor, which is learnt in this area, is triggered.
- ■ **Whole system** means that BX/SR raises an alarm when any sensor, which is learnt in either Area 1 or Area 2, is triggered.

Step 3. Select either **Single area** or **Whole System** and press **OK** key; the screen displays "**Pls wait RF transmitting**" and a learning code is transmitted to BX/SR (please refer to the operation manual of the devices to finish the further process).

Step 4. 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 simultanously.

<NOTE>

- ☞ Siren tamper disable will automatically revert to **On** after an hour if it is not switchd 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**.

2.3.6.5. PSS Setting (Power Switch Setting)

- **To Add PSS**

<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 **NC** and system is disarmed, PSS will turn on. When system is armed (Away/home/day home/night home), PSS will turn off.
- **Set/Unset (A):** When the system is armed, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Set/Unset (H):** When the system is set to home mode, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Set/Unset (D)**: When the system is set to day-home mode, PSS will turn on; when the system is disarmed, PSS will turn off.
- **Set/Unset (N):** When the system is set to night-home mode, PSS will turn on; when the system is disarmed, PSS will turn off.
- **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	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.

● To Edit PSS

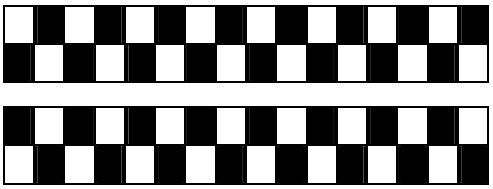
After a PSS is learnt in, you can edit the PSS attribute by repeating Steps 1-4 as in "To Add PSS". Once completed, press **OK** key to save the new setting and return to the previous menu.

● To Remove PSS

To remove a PSS from the system, simply select the channel, and change the attibute to "Disable". Press **OK** key to save and return to the previous menu. The selected channel is now freed up and can be used to add a new PSS device again.

2.3.7. Walk Test

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



- Then the following message is displayed:

*				W	a	l	k		T	e	s	t			*

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

I	R			Z	o	n	e	0	2						
H	a	l	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 view the log of **Walk Test**, press ↻ 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 ▲&▼ key to look through previous RF record.

Press ↻ key once again. The screen will display:

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

Press ↻ key to return to log record. Press **OK** key to enter Area selection menu.

- 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.

2.4. I/O Config

This selection is used to program wired sensor / siren / light connected to the input/output contact point.

<IMPORTANT NOTE>

☞ *This feature is only available for Area 1. Changes made in Area 1 apply to both Areas 1 & 2.*

o	I	n	p	u	t		C	o	n	f	i	g		
	O	u	t	p	u	t		C	o	n	f	i	g	v

2.4.1. Input Config (Input Configuring)

Step 1. Connect a wired sensor to the Input Contact Point of the Control Panel.

Step 2. Select **Input Config**, and then press **OK**. The screen will display its attribute list as follow:

o	D	i	s	a	b	l	e							
	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					
	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									
	S	e	t	/	U	n	s	e	t					

Step 3. Select the desired attribute and press **OK**.

Step 4. A **NC** (normal close) / **NO** (normal open) option is required to choose.

	N	C												
o	N	O												V

<NOTE>

☞ **NC:** The wired sensor activates in normal status.

☞ **NO:** The wired sensor deactivates in normal status. (factory default)

<EXAMPLE>

☞ If Burglar (attribute) and **NO** is set for a wired sensor, and the sensor is closed when the system is in away arm mode. The alarm will be triggered and a report will be sent to the Central Monitoring Station.

☞ **Step 5.** Choose whether you wish to have the wired sensor set to Normal Open or Close.

2.4.2. Output Config (Output Configuring)

Step 1. Connect a wired siren/light to the Output Contact Point of the Control Panel.

Step 2. Select **Output Config**, and press **OK**. The screen will display its attribute list as following:

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		E	n	g			
	E	m	e	r	g	e	n	c	y					
	A	U	X											

Step 3. Select the desired attribute and press **OK**.

Step 4. A **NC** (normal close) / **NO** (normal open) option is required to choose.

o	N	C												
	N	O												v

<NOTE>

- ☞ **NC:** The wired siren/light activates in normal.
- ☞ **NO:** The wired siren/light deactivates in normal.

<EXAMPLE>

- ☞ If Burglar (attribute) and **NO** is set for a wired siren/light, and when an alarm is triggered, the siren/light will close.
- ☞ If AUX (attribute) and **NO** is set for a Remote Controller, and when the Remote Controller's panic button is pressed & held for 3 seconds, the wired siren/light will switch to **NC** for 1 second then switch back to **NO**.

Step 5. Choose whether you wish to have the wired siren/light set to Normal Open or Close.

2.5. Common. Setting

o	A	u	t	o	-	c	h	e	c	k	-	i	n		
	O	f	f	s	e	t		p	e	r	i	o	d		
	S	u	p	e	r	v	i	s	i	o	n				
	L	a	t	c	h		s	e	l	e	c	t			
	A	r	e	a		S	o	u	n	d					
	S	M	S		P	-	W	o	r	d					
	R	C		E	n	t		E		s	e	l	.		

2.5.1. Auto-Check-In

This is to select whether the Control Panel needs to do check-in reporting to the Central Station automatically and to select the period of time between check-in reports. Options available are **Disable**, **15 Min, 30 Min, 1 Hr… up to 4 Weeks**.

o	D	i	s	a	b	l	e							
	1	5	M	i	n									
	3	0	M	i	n									
			-											
			-											
			-											
			-											
	3		W	e	e	k	s							
	4		W	e	e	k	s							

- **1Day** is set as factory default.

2.5.2. Offset Period

This is to set the time delay before the first **Auto Check-In** report to be made.

After power is supplied or re-supplied to the Control Panel, a test report will be sent to the Central Monitoring Station (CMS) based on the Offset Period. This is used to test whether the CMS is able to receive the report from the Panel accurately.

After this test report is sent, the Control Panel will then send regular reports based on the setting of the Auto Check-in Report.

For example, if **Offset Period** is set to 2 Hours, and **Auto Check-in Report** is set to 3 Days, the Control Panel will transmit an event code 602 to the CMS after 2 hours, and then report 602 event code periodically at a regular intervals of 3 days.

Options available are **1 Hour, 2 Hours… to 12 Hours** in 1-hour increments.

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

- **1 hr** is set as factory default.

<NOTE>

- ☞ Off-set period will reset each time after entering the Offset menu.

2.5.3. Supervision

This option is used to enable system supervision function. When **ON** is selected, CTC-1241 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**						
		1	**2**		**H**	**o**	**u**	**r**	**s**					
		2	**4**		**H**	**o**	**u**	**r**	**s**					

PIR sensor, Door Contact, Water Sensor 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, 8 Hours, 12 Hours, a **sensor out-of-order** fault event will be detected.

- **12 Hours** is set as factory default.

2.5.4. Latch Select

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		**L**	**a**	**t**	**c**	**h**		**S**	**e**	**l**	**e**	**c**	**t**	
		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 **Latch Select**, the system will ask your option for latch report while you program PIN & Temporary codes and while you learn Remote Controller in the Control Panel.
- ☞ When the Latchkey reporting feature is **OFF**, the system does not inform all arming and disarming actions of all users and the RC to Central Monitoring Station or users.
- ☞ When the Latchkey reporting feature is **ON**, the system informs all arming and disarming actions of all users and the RC to Central Monitoring Station or users.

2.5.5. Area Sound

The Area Sound is used to set the audio pitch of the beeps for key pressing, entry/exit counting-down and door chime.

Options available are **High** (high audio pitch) and **Low** (low audio pitch).

	H	**i**	**g**	**h**										
o	**L**	**o**	**w**											

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

2.5.6. SMS P-Word

SMS Program keyword is a password to authorize Remote Setting or Remote Upgrading.

SMS Program keyword is used to recognize the identity of a valid user, and to give authority for Remote Setting (through SMS Text) or Remote Upgrading purposes (through GPRS). This keyword will need to be entered whenever Remote Setting or Remote Upgrading is required.

Enter the SMS P-word by pressing **OK**, the following screen will be displayed:

	E	**d**	**i**	**t**		**s**	**c**	**r**	**e**	**e**	**n**			

Enter your favorable keyword (max. 15 alphanumeric characters) and press **OK**. The keyword will then be saved.

<NOTE>

- ☞ For programming via SMS, please refer to section **SMS Remote Installing Command**.
- ☞ A SMS message may contain up to 168 characters, including spaces & symbols.
- ☞ A SMS message may contain multiple SMS commands by using "+", as long as it is equal or less than 168 characters. For Example: "**PROG_7982_Tamper:0+CDOOR:10 +RC-ET:10**", where "_" means a space.
- ☞ Deletion of characters represents no input value. For example: "**PROG_7982_PORT1:_ +_ PORT2:**", where "_" means a space.
- ☞ Deletion of user names represents area number + no input value. For example: "**PROG_7982_UNAM1:1**", where "_" means a space.

2.5.7. 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 buttion on the RC, it is prohibited to use the same RC to disarm.

3. Configuring Your System

<IMPORTANT NOTE>

- ☞ There are two operation Areas in the system. Each area can be set/programed individually. To change between Areas 1 & 2, press and hold both **#** & **✱** keys for 3 sec.
- ☞ Areas 1 or 2 need to be programmed separately under their own programming menu.
- ☞ When entering any PIN codes, if incorrect codes have been supplied for 4 times, or over 20 numeric characters have been entered, it will inhibit further key presses for 1 minute.

I. Entering 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 sec. The screen will prompt you to enter User 1 PIN code.

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

Step 2. Enter your 4 digits User PIN code within 30 sec.

- Deafult user 1 PIN code:

  Area 1: 1234 ; Area 2: 4321

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

		P	-	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.

	W	e	l	c	o	m	e		t	o				
		P	r	o	g	r	a	m		m	e	n	u	

Step 5. Then the Programming Main menu will be displayed.

o	A	r	e	a										
	G	S	M											V

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 in the last column of the screen, it indicates the selection list can be scrolled downwards. If the lowest position is reached, the down-arrow symbol disappears.
- ☞ If an up-arrow symbol **Λ** appears in the last column of the screen, it indicates the selection list can be scrolled upwards. If the upper position is reached upward, 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.

3.1. Area

o	W	a	l	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			
	G	e	n		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			

- For Area settings, please follow the same steps as described in **Area** secion under **Installer Menu.**

3.2. GSM

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

3.2.1 GSM Signal

CTC-1241 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 in environment.

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

<NOTE>

☞ If the panel can not get a 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	

3.2.2 GSM Call Back

Before setting this feature, please place a SMS Remote Command to Panel for testing purpose (See "Remote Commanding – via SMS message" section). If the SMS reporting message is received successfully, please skip this section. Otherwise, please find below for more setting procedure.

The Phone Number Format for each SIM card may vary between different Telecom companies. Thus, you can either check with your Telecom provider or follow the steps described below to check the correct format.

Step 1. Remove the SIM card from SIM Card holder on the Panel, and insert it into a workable Mobile phone.

Step 2. Power on the Mobile phone and send a test SMS message to another Mobile telephone number.

Step 3. Once the test message is received, you can then check the Phone Number Format shown in the received message.

<EXAMPLE>:

With the phone number **0987654321**, the format should either INCLUDE or EXCLUDE Contry Code, which is "**886**" for Taiwan as below:

INCLUDE Country Code	**+886987654321**
EXCLUDE Country Code	**0987654321**

Step 4. Remove the SIM card from the Mobile phone and insert it back into SIM Card holder on Panel.

A. If the Phone Number Format EXCLUDES Country Code, please skip this section.

B. If the Phone Number Format INCLUDES Country Code, please follow Steps 5-8:

Step 5. Enter **Programming Menu** and select **GSM → GSM call back**. Press **OK**, and the following display will show:

	R	e	p	l	a	c	e	d		n	u	m	b	e	r
								.	.	.	.	.	.		

Step 6. Enter the Country Code.

<EXAMPLE>:

Enter “886” as the country code.

	R	e	p	l	a	c	e	d		n	u	m	b	e	r
								8	8	6	.	.	.		

<NOTE:>

☞ No need to enter “+”.

Step 7. Press **OK**.

	S	u	b	s	t	i	t	u	t	e		n	o	:	
								0	.	.	.	.	.		

Step 8. Enter a number **0** under this display and press **OK**. The setting is now complete.

3.2.3 GSM Reset

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

	G	S	M		R	e	s	e	t	i	n	g			
		0	3	0		S	e	c							

<NOTE>

☞ If the screen automatically returns to programming menu, this means the reset process is sucessful.

- After a successful reset, the following screen will be displayed and the panel will automatically return to programming 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 reset procedure:

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

- You can quit the setting by press ↵. The following screen will display:

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

- Press **OK** to return to programming menu; press ↵ to continue the reset procedure.

4.Operation

<IMPORTANT NOTE>

☞ There are two operation Areas in the system. Each area can be set/programed individually. To change between Areas 1 & 2, press and hold both **#** & ✱ keys for 3 sec.

☞ When entering any PIN codes, if incorrect codes have been supplied for 4 times, or over 20 numeric characters have been entered, it will inhibit further key presses for 1 minute.

4.1. 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 numberic key is pressed, the display will show:

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

4.1.1. Entering User PIN Code

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

These options are available for user menu:

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											
	L	o	g											
	C	o	d	e		S	e	t	t	i	n	g		

4.1.2. Entering Global PIN Code

When Areas 1 & 2 are BOTH in Alarm Off mode, enter the 4-digit Global PIN code in either Area followed by **OK**, within 30 sec.

These options are available for user menu:

o	A	r	e	a	1									
	A	r	e	a	2									
	A	r	e	a	1	+	A	r	e	a	2			

- When **Area1** or **Area2** is selected the screen will be the same as shown in ***4.1.1***.
- When **Area1+Area2** is selected, then screen will show:

	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									

<IMPORTANT NOTE>

☞ **Bypass** & **PSS** options will only become available on the LCD screen when at leaset one device is learnt successfully.

☞ When **Global PIN** code is entered and and **Area1+Area2** is selected, menu items of **Bypass**, **PSS**, **Log**, and **Code Setting** are unavailable.

☞ When one Area is in Alarm off mode, and the other is in Away / Home / Day Home / Night Home Arm mode, when **Global PIN** code is entered and and **Area1+Area2** is selected, the system will automatically change both Areas 1 & 2 to Alarm off mode.

☞ When in **Area 1** and **Global PIN** code is entered, the screen will automatically switch to **Area 2** menu.

☞ When in **Area 2** and **Global PIN** code is entered, then screen will automatically switch to **Area 1** menu.

- *When fault event exists in the system*

If any fault event is detected in the system, whenever the user menu is entered, **Fault Display** will appear on the first line of the list for indication.

<NOTE>

☞ If arming the system is still wished, please refer to section **4.8 Forced Arming**.

☞ After 2 mins of key-inactivity, the system will automatically exit User Menu and return to stand-by mode.

4.2. Away Arm Mode (Alarm ON)

4.2.1. 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 a beep at every second, 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 sent.

Step 2. When **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 as **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).

4.2.2. Stopping the Exit Delay

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

Step 1. Press ↻ 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 emitted, indicating that the system is now returned to Alarm off mode.

4.2.3. 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 Arm**, **Day Home Arm** and **Night Home Arm**, they are specially designed to provide flexibility to partially Arm the system.

☞ Depending on the assigned Device Attribute, the system will operate differntly according to the nature of Attributes.

4.3. Home Arm

Home Arm Mode allows the home to be partially armed. Thus, part of the areas are protected with the Alarm, while others allow the user to move freely without self triggering the alarm.

<NOTE>

☞ For those devices with attributes learnt as **Home Omit**, **Day Home Omit**, **Night Home Omit**, **Away Only** & **Away Entry**, they will **NOT** trigger the Alarm when activated.

4.3.1. Home Arming the System

Step 1. Move the cursor to **Home Arm** position and press **OK**.

The defined EXIT Delay timer starts to count down.

<NOTE>

☞ For Exit Delay performance, please refer to <IMPORTANT NOTE> on Exit Delay Count Down Period under section 4.2. Away Arm Mode.

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

<NOTE>

☞ The system can also be armed by pressing the **HOME symbol** on Remote Controller.

4.4. Day Home Arm

Day Home Arm Mode allows the home to be partially armed during a particular time period (such as Day time) only. It operates similar to Home Arm; however, you can set different Arming Areas for more operational options.

Part of the areas are protected with the Alarm, while others allow the user to move freely without self triggering the alarm.

<NOTE>

☞ For those devices with attributes learnt as **Home Omit**, **Day Home Omit**, **Away Only** & **Away Entry** will **NOT** trigger the Alarm when activated.

4.4.1. Day Home Arming the System

Step 1. Move the cursor to **Day Home Arm** position and press **OK**.

The defined EXIT Delay timer starts to count down.

<NOTE>

☞ To stop the Exit Delay count down performance, please refer to section 4.2.2. Stopping the Exit Delay under Away Arm Mode.

☞ Exit Delay count down can not be extended in Day Home mode.

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

4.5. Night Home Arm

Night Home Arm Mode allows the home to be partially Armed during a particular time period (such as Night time) only.

The area is recommended to set differently as Day Home Arm.

Part of the areas are protected with the Alarm, while others allow the user to move freely without self triggering the alarm.

<NOTE>

☞ For those devices with attributes learnt as **Home Omit**, **Night Home Omit**, **Away Only** & **Away Entry**, they will **NOT** trigger the Alarm when activated.

4.5.1. Night Home Arming the System

Step 1. Move the cursor to **Night Home Arm** position and press **OK**.

The defined EXIT Delay timer starts to count down.

<NOTE>

☞ To stop the Exit Delay count down performance, please refer to section 4.2.2. Stopping the Exit Delay under Away Arm Mode.

☞ Exit Delay count down can not be extended in Night Home mode.

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

4.6. Timer

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

4.6.1. 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				(	▲	▼	O	K)

- 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.
- Minute then flashes.
- Use ▲&▼ keys to choose a correct number.
- Press **OK** to confirm.

4.6.2. 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			(	▲	▼	O	K)

- Month flashes 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.
- Day then flashes.
- Use ▲&▼ keys to choose the correct Day.
- Press **OK** to confirm.

4.6.3. 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				(	▲	▼	O	K	)

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

4.6.4. Daylight

This is for you to set local Daylight saving time if required.

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			(	Λ	V	O	K	)

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			(	Λ	V	O	K	)

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 ending day and press **OK.**

4.7. Bypass

The Bypass Arm mode allows the user to de-activate (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.

4.7.1. 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 ↵ to exit.

Step 6. Press **OK** to select any **Arming Mode** that is wished to be Bypassed.

<NOTE>

☞ After the ↵ key is pressed, please remember to select an Arming mode, or else the Bypass function will not be activated.

☞ If a sensor is bypassed, then the Contorl Panel will not respond to its triggering in any Arming mode.

☞ The bypass setting is effective for one time only, once the system is disarmed, the bypass setting will be cleared automatically.

☞ When a sensor is bypassed, the system can be Armed directly regardless of its fault situation (if any). However, its fault situation is still being monitored, logged and displayed when you access the **Log** submenu.

4.8. Forced Arming

Force Arming allows the user to arm the system when any Fault situation exists.

Whenever there is a fault situation occurred in the system, any Arming activatity will be prohibited until Force Arm is recognized and confirmed.

- When Arming is wished, with a Fault Situation identified (except Panel / Device Low battery), please rectify the fault before clearing the Fault Event in **Fault Display** section (please see section **4.16 Fault Situations**).
- However, if you would like to arm the system while the fault situation persists, it is still possible by following the steps below to execute **Force Arming**.

4.8.1. Arming the System via Control Panel

Step 1. Choose the preferred Arming Mode (Away Arm, Home Arm, Day Home Arm or Night Home Arm) and press **OK**.

Step 2. The Control Panel will emit a **Ding-Dong warning sound** to indicate arming is prohibited, and the message **Fault Display** is shown and alternates at 2-second intervals with individual fault events.

Step 3. Press **OK**, the system will ask you to enter a 4-digit User PIN code.

Step 4. Press **OK**, and a prompt message will be displayed.

		F	**o**	**r**	**c**	**e**		**A**	**r**	**m**				
							(	**O**	**k**	**?**	**)**			

Step 5. Presses **OK** to confirm.

The defined Exit Delay timer starts to count down.

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

Step 6. When the Exit Delay timer expires, the Control Panel will emit a long beep and the system is now in Away Arm Mode.

<NOTE>

☞ When a fault situation is detected, you may force arm by using the Control Panel's keypad to enter a User PIN code. Accessories such as Remote Controller, Remote Keypad can still be used to force arm by pressing the Arm or Home Arm button again within 30 sec.

☞ Night Switch cannot be used to force arm.

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

☞ The **Fault Display** screen has a time-out of 2 minutes and then automatically return to **Alarm Off** screen if no **OK** of Arming is confirmed.

4.8.2. Arming the System via Remote Controller

Step 1. Press once on Full Arm or Home Arm button.

Step 2. Repeat steps 2-6 as described in **Arming the system via Control Panel**.

<NOTE>

- ☞ For Exit Delay performance, please refer to <IMPORTANT NOTE> on Exit Delay Count Down Period under section 4.2. Away Arm Mode.
- ☞ The **Fault Display** screen has a time-out of 2 minutes and will then automatically return to **Alarm Off** screen if no **OK** of Arming is confirmed.
- ☞ If a sensor is bypassed (please see **section 4.7. Bypass**), the fault condition of that sensor will not be checked.
- ☞ If a sensor is tampered or out-of-order, you can temporarily bypass it or permanently remove it.
- ☞ Force arming record can be checked in the **Log** section.

4.8.3. Arming with Door Opened

- While arming the system, if any Door Contact is detected as Open, the Control Panel will emit a ding-dong sound to indicate arming is prohibited.
- If user manually shuts the Door immediately, the fault display will then be automatically cleared 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 open, follow the steps as described in **Section 4.8. Force Arming**.

4.8.4. 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.

4.8.5. 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 4.8 Force Arming** for operation.

4.9. 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 Alarm off mode. The display will show both screens at every second flash.

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

<NOTE>

- ☞ When the system is Home Armed, Day Home Armed or Night 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**.

4.10. PSS

<IMPORTANT NOTE>

☞ This feature is only available for already-learnt-in Power Switch.

This system allows adding up to 8 Power Switches in the Control Panel.

To activate the PSS channels, please follow the steps below:

Step 1. When the system is under User Menu, move the cursor to PSS and then **OK**. The following screen will be displayed:

		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 the desired Channel number followed by **OK**. The screen will show:

o		T	u	r	n		O	n						
		T	u	r	n		O	f	f					v

Step 3. Use ▲ & ▼ to turn ON / OFF the power switch followed by **OK**. A prompt message "**Waiting for Confirmation**" will be displayed.

<NOTE>

☞ Power Swtich set to On will activate its feature.

☞ Power Switch set to OFF will deactivate its feature.

Step 4. Activating / Deactivating the Power Switch is now complete.

4.11. Event Log

A total of **250** events can be memorized & saved in the Control Panel, including:

✓ All Alarm Events with Device ID

✓ All Arming, Partial Arming, Bypass Arming and Disarming Events.

- The logged events are displayed in reverse chronological 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.
- The number in the upper right corner indicates whether the event occurred in Area 1 or 2.
- To View the Event Log:

Step 1. When the system is under User Menu, move the cursor to Log position and press **OK**.

Step 2. The log can be scrolled and viewed up down and with the ▲ & ▼ keys; most recent event appears first.

					S	T	A	R	T					
							▼							

P	a	n	e	l										1
	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 and can be viewed from the Log.

<EXAMPLE>

☞ If the display shows:

														1
U	s	e	r		1									
	H	o	m	e		F								

This means, the system is Forced to do Home Arm in the Area 1 (shown in upper right corner) by User #1 PIN code.

4.12. Code Settings

<IMPORTANT NOTE>

☞ This selection only appears when you use the first set of PIN code to enter the Operation menu.

☞ Please refer to section 2.3.1.1 to program the user PIN code.

4.13. Alarm Activation

■ 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/Day Home/ Night Home Arm Exit	Away Arm Entry	Home/Day Home/ Night Home Arm Entry
Burglar	" B "	No Response	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	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	No Response	No Response	No Response	No Response	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	No Response	No Response	No Response	No Response	No Response
24 HR	" H "	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm

Alarm attribute		Disarm	Away Arm	Home Arm	Day Home Arm	Night Home Arm	Away/ Home/Day Home/ Night Home Arm Exit	Away Arm Entry	Home/Day Home/ Night Home Arm Entry
Fire	**" F "**	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm
Medical	**" M "**	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm
Water	**" W "**	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm
Set/Unset	**" S "**	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm
Silent Panic	**" S "**	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm
Personal Att	**" PA "**	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm
Medical Emg	**" M "**	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm
N-Home	**" NH "**	No Response	Start Entry Timer	Start Entry Timer	Start Entry Timer	Instant Burglar Alarm	No Response	No Response	No Response
24 HR Special	**" SP "**	Reporting Only	Reporting Only	Reporting Only	Reporting Only	Reporting Only	Reporting Only	Reporting Only	Reporting Only
External PIR	**“ EIR ”**	No Response	Instant Burglar Alarm (but no reporting)	Warning Beep	Warning Beep	Instant Burglar Alarm (but no reporting)	No Response	Instant Burglar Alarm (but no reporting)	Warning Beep

4.14. 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	1	-	A	l	a	r	m		A	l	a	r	m
	A	2	-	A	l	a	r	m		O	f	f	

<EXAMPLE>

☞ Area 1 – Alarm

Area 2 – Alarm off mode

4.14.1. Stopping the Alarm

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

4.14.1.1. Using User PIN Code

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>

☞ When entering any PIN codes, if incorrect codes have been supplied for 4 times, or over 20 numeric characters 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:

A	l	a	r	m		S	t	a	r	t	e	d		b	y
0	1	).	l	R		H	a	l	l	w	a	y			

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

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

<NOTE>

☞ If the reporting has failed, the screen will show:

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 cancellation report 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 Step 6 will not show.

Step 6. The screen 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).

☞ Panic Alarm must be silenced at the Control Panel. This is to prevent the Remote Controller from being snatched from the user and silence the alarm using the Disarm button.

4.14.1.2. Using Global PIN Code

The following operaion will be based on this scenario as an example:

<EXAMPLE>

☞ Area 1 – Alarm

Area 2 – Alarm off mode

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

A	1	:	A	L	M	,	A	2	:	O	F	F		
1		f	o	r		A	1		D	i	s	a	r	m
2		f	o	r		A	1		M	e	n	u		

- **If 1 is selected**

Step 2A. Press **1** to Disarm. The alarm will be stopped and the display will show the source of alarm:

A	l	a	r	m		S	t	a	r	t	e	d	b	y
0	1	).	I	R		H	a	l	l	w	a	y		

Step 3A. Repeat pressing further keys until all alarm events are displayed thoroughly, and then press **OK**.

<NOTE>

☞ If the reporting has failed, the screen will show:

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 cancellation report 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 above display will not show.

Step 4A. The screen will show:

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

Step 5A. Press **OK**, the display returns to Alarm off.

- **If 2 is selected**

Step 2B. Press **2** to display the user menu. The alarm will be stopped and the display will show:

	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											
	L	o	g											
	C	o	d	e		S	e	t	t	i	n	g		

Step 3B. Please refer to Notes as in section 4.1.

<NOTE>

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

☞ Panic Alarm must be silenced at the Control Panel. This is to prevent the Remote Controller from being snatched from the user and silence the alarm using the Disarm button.

☞ When an alarm is triggered, an User PIN of the triggered area or a Global PIN code must be entered in order to return to the Alarm Off display. Otherwise, the screen stays at the Alarm Display.

4.14.2. Alarm Memory

If an alarm is 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	**1**	**-**	**A**	**l**	**a**	**r**	**m**		**A**	**l**	**a**	**r**	**m**	
	A	**2**	**-**	**A**	**l**	**a**	**r**	**m**		**O**	**f**	**f**		

<EXAMPLE>

☞ Area 1 – Alarm

Area 2 – Alarm off mode

- 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, repeatedly press 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**.

4.15. False Alarm Management

CTC-1241 has 3 built-in regulatory false alarm management facilities:

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

4.15.1. 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, 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 sound will be stopped and the system returns to normal status without reporting.
- If no valid user PIN code is entered, a burglar alarm will be sent.

4.15.2. Mis Operation Reporting

- With Latchkey reporting (**Latch Rpt**) set as **On**, all Arm / Home / Day Home / Night Home / Disarm actions of the User PIN code is reported to the Central Monitoring Station automatically each time.

4.15.3. 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 is initiated.

4.16. Faulty Situations

- The Control Panel is capable of detecting the following fault events:
  - ✓ Control Panel Low Battery
  - ✓ Control Panel Battery Missing
  - ✓ 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 sensors are **Tamper** protected.
    - ◆ **Control Panel**

      A Tamper switch protects CTC-1241 from any removal attempts away from its cross mounting bracket

      Another Tamper switch is to protect the Power Supply Lid from being opened or removed.
    - ◆ **PIR Sensor / 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, 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 60-100 min. The system will send report according to the Supervision setting.

When the Control Panel does not receive the Supervised signal from the device for preset Supervisory period, the yellow LED lights with 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**

  CTC-1241 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 improperly positioned.

4.16.1. Fault Message Display

- When any fault situation persists, the Control Panel will respond as below when it is in Alarm off mode:
  - The Yellow LED will light to indicat the fault condition.

  Yellow LED on – Indicate fault situation in the current Operating Area.

  Yellow LED flash – Indicate fault situation in the other Operating Area.

Yellow LED display:		
Area1	**Area 2**	**Fault situation**
flash	flash	Faults exist in both area 1 & 2 system.
light on	flash	Fault exists in area 1
flash	light on	Fault exists in area 2
off	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 emit 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.

4.16.2. 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 cannot 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.

4.16.3. 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:

		F	**a**	**u**	**l**	**t**		**D**	**s**	**p**				
		A	**r**	**m**										

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 ↩ key, a prompt message is displayed.

		C	**l**	**e**	**a**	**r**		**F**	**a**	**u**	**l**	**t**		
				D	**s**	**p**	**:**		**(**	**O**	**K**	**?**	**)**	

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 ↩ key is pressed, the screen returns to **Alarm off**, the Yellow LED stays on, the Control Panel keeps emitting 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 messgae is cleared, the fault event is still retained in **Log**.

4.16.4. 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 an AC Power Fail report (code **1301**) to the Central Monitoring Station in 1 hour.

    - Whenever Tel+account number or IP+account number settings exist, and power is restored from complete power interruption (either restored by AC or battery), the system will send an AC Power Restore report (code **3301**) to the Central Monitoring Station in 1 hour.

  - **Control Panel Low Battery**

<IMPORTANT NOTE>

☞ 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, **Low battery** (code **1302**) to the Central Station in 2 minutes.

- However, when the battery is restored, an **L.B. Restore** (code **3302**) will be reported in 24 hours.

- When the AC power works normally, but the Low Battery Report is sent, the battery may be faulty.

  - **Control Panel Battery Missing**

    - The Control Panel can detect the absence of battery in the following cases:

      - Battery is not connected
      - Battery failure

    - When any of above condition happens, the Control Panel will report **Battery Missing** (code **1311**) to the Central Station in 24 hours.

    - When Battery is restored, the Control Panel will report **Battery Missing Restore** (code **3311**) to the Central Station in 24 hours.

  - **Panel Sabotaged**

<IMPORTANT NOTE>

☞ Please refer to 3.3.13. Tamper alarm under section General Setting to set the tamper alarm reporting method.

- 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 emit an audible alarm and report **Panel Tamper** (code **137**) to the Central Station.

  While the system is in Alarm off mode or Home mode, no report nor alarm will be generated.

- If **Normal** is selected under Tamper alarm function, when the Tamper switch on the Control Panel is triggered, the Control Panel will emit an audible alarm and report **Panel Tamper** (code **137**) to the Central Station.

  - **Sensor Low Battery**

    - Any time battery low on any sensor is detected, the Control Panel will report **Low battery** (code **384**) to the Central Station.

    - 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 emit an audible alarm and report **Burglar Alarm** (code 130) & **Sensor Tamper Open** (code **383**) to the Central Station.

    - While if the system is in Alarm off mode or Home mode, no reporting or alarm will be generated.

    - 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 does not receive the signal, the system will send report (code **147**) to the Central Monitoring Station.

◆ Sensor Restoration is also reported.

■ **Interference**

◆ CTC-1241 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** (code **344**) to the Central Monitoring Station.

4.16.5. Fault Message Nomenclature

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

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

<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) + **open**
PIR triggered	(IR w/ Zone Name) + **Active**

4.17. Remote Commanding

The Unit can be controlled by Remote Control Commands sent via regular phone 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
00	Confirmation message
10	Disarm
11	Arm
80	O/P Deactivation
81	O/P Activation
510	1st Power Switch Close
520	2nd Power Switch Close
530	3rd Power Switch Close
540	4th Power Switch Close
550	5th Power Switch Close
560	6th Power Switch Close
570	7th Power Switch Close
580	8th Power Switch Close
51100	1st Power Switch Open
52100	2nd Power Switch Open
53100	3rd Power Switch Open
54100	4th Power Switch Open
55100	5th Power Switch Open
56100	6th Power Switch Open
57100	7th Power Switch Open
58100	8th Power Switch Open
51101~51199	1st Power Switch Open for 1 Hour to 99 Hours
52101~52199	2nd Power Switch Open for 1 Hour to 99 Hours
53101~53199	3rd Power Switch Open for 1 Hour to 99 Hours
54101~54199	4th Power Switch Open for 1 Hour to 99 Hours
55101~55199	5th Power Switch Open for 1 Hour to 99 Hours
56101~56199	6th Power Switch Open for 1 Hour to 99 Hours
57101~57199	7th Power Switch Open for 1 Hour to 99 Hours
58101~58199	8th Power Switch Open for 1 Hour to 99 Hours

<NOTE>

☞ **5-digit Control Command Format:**

C	C	C	D	D
The Number of the Power Switch			**Open-period (hour)**	

CCC = The Number of the Power Switch. E.g. (**511**) is the 1st Power Switch, (**521**) is the 2nd Power Switch

DD = Open-period, (**01**) is Power Switch open for one hour, (**99**) is Power Switch open for 99 hours.

☞ If you set the open-period for 2 hours, it means when the Panel receives the command, the Power Switch will turn on for 2 hours and turn off after 2 hours.

There are three different remotely control message formats.

4.17.1 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 1-digit area number plus 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 send back a confirmation message. The format will be:

"Confirmation, (SMS keyword) (PIN Code) (Control Command) 00"

☞ Only when the Control Unit receives valid command, confirmation message will be sent.

<EXAMPLE>

If you send your control command in this format:

Ex: Joe_11234_ 11_ 00		
Joe	→	SMS Keyword
__	→	Space
1	→	Area 1
1234	→	User pin code
__	→	Space
11	→	Enter Arm Mode
__	→	Space
00	→	confirmation

The Confirmation message will be:

"Confirmation, Joe 11234 11 00"

4.17.2. 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 **Area number** and **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>

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

4.17.3 Test Confirmation Message

When you finish programming the system, you can use test message to confirm whether your setting is correct.

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 **Area number** and **corresponding User PIN code**.

Step 5. Enter a **space**

Step 6. Enter **00**.

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

Step 8. Wait for the panel to send back a test confirmation message. The format will be:

"Confirmation, (SMS keyword) (PIN Code) 00"

<NOTE>

☞ If the panel does not send a confirmation message back to your handset, please take a moment to check the following steps:

1) Remove the SIM card from the panel and set it in your handset. Check if the SMS memory space is full. It is recommanded to empty the memory. Put the SIM card back to the panel.

2) Check that the GSM singnal is detected.

3) Check the Country Code setting.

After you have checked the steps above, send a test confirmation message again.

CTC-1241 SMS Remote Installing Command

- **SMS Remote Installing Command Table**

If the SMS Program Word (SMS P-Word) is set as **PROG**, and default Install Code is **7982.**

ITEM	COMMAND	USAGE	DESCRIPTION
SMS P-word	KEYWD	**PROG 7982 KEYWD:**Jack	Max. 15 digits It is used to change the SMS P-word
SMS Keyword	UKYWD	**PROG 7982 UKYWD:1**Mary	1=Area1, Max. 15 digits It is used to change the SMS keyword
		PROG 7982 UKYWD:2Joes	2=Area2 , Max. 15 digits It is used to change the SMS keyword
TEL.Account 1 (see Note 3)	ACNT1	**PROG 7982 ACNT1:**A1241	To set 4- or 6-digit account number for the 1st phone number. A → SID; 1241 →1st account number (example).
		PROG 7982 ACNT1:B1241	B → CID; 1241 →1st account number (example).
TEL.Account 2 (see Note 3)	ACNT2	**PROG 7982 ACNT2:**A1421	To set 4- or 6-digit account number for the 2nd phone number. A → SID; 1421 →2nd account number (example).
		PROG 7982 ACNT2:B1421	To set 4- or 6-digit account number for the 2nd phone number. B → CID; 1421 →2nd account number (example).
TEL 1 (see Note 3)	TELN1	**PROG 7982 TELN1:A**026935288	A → First Priority; To reset or change the telephone number 1 (Max.30 digits)
		PROG 7982 TELN1:B026935288	B → Second Priority; To reset or change the telephone number 2 (Max.30 digits)
TEL 2 (see Note 3)	TELN2	**PROG 7982 TELN2:A**026935288	A → First Priority; To reset or change the telephone number 1 (Max.30 digits)
		PROG 7982 TELN2:B026935288	B → Second Priority; To reset or change the telephone number 2 (Max.30 digits)
Install Code	ICODE	**PROG 7982 ICODE:**7983	It is used to change the Installer password
A. Exit Sound	AEXTS	**PROG 7982 AEXTS:**10/20	To set Away mode Exit Sound: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 AEXTS:11/21	11 → 1 (Area 1) 1 (low volume) 21 → 2 (Area 2) 1 (low volume)
		PROG 7982 AEXTS:12/22	12 → 1 (Area 1) 2 (high volume) 22 → 2 (Area 2) 2 (high volume)
A. Entry Sound	AENTS	**PROG 7982 AENTS:**10/20	To set Away mode Entry Sound: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 AENTS:11/21	11 → 1 (Area 1) 1 (low volume) 21 → 2 (Area 2) 1 (low volume)
		PROG 7982 AENTS:12/22	12 → 1 (Area 1) 2 (high volume) 22 → 2 (Area 2) 2 (high volume)
H. Exit Sound	HEXTS	**PROG 7982 HEXTS:**10/20	To set Home mode Exit Sound: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 HEXTS:11/21	11 → 1 (Area 1) 1 (low volume) 21 → 2 (Area 2) 1 (low volume)
		PROG 7982 HEXTS:12/22	12 → 1 (Area 1) 2 (high volume) 22 → 2 (Area 2) 2 (high volume)
H. Entry Sound	HENTS	**PROG 7982 HENTS:** 10/20	To set Home mode Entry Sound: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 HENTS: 11/21	11 → 1 (Area 1) 1 (low volume) 21 → 2 (Area 2) 1 (low volume)
		PROG 7982 HENTS: 12/22	12 → 1 (Area 1) 2 (high volume) 22 → 2 (Area 2) 2 (high volume)

ITEM	COMMAND	USAGE	DESCRIPTION
IP.Setting (see Note 3)	APNSR	**PROG 7982 APNSR:**INTERNET	Enter the APN Server detail (provided by your telecom supplier) (Max.30 digitals)
	TCIP1	**PROG 7982 TCIP1:A1**192.168.1.234	Enter the IP Address (provided by your CMS supplier) **A1**192.168.1.234 → A = First Priority; 1=IP Address
		PROG 7982 TCIP1:B1192.168.1.234	Enter the IP Address (provided by your CMS supplier) **B1**192.168.1.234 → B = Second Priority; 1=IP Address
	TCIP2	**PROG 7982 TCIP2: 2**WWW.CLIMAX.COM.TW	Enter the URL (provided by your CMS supplier) **2**WWW.CLIMAX.COM.TW → 2=URL (Reserved)
	PORT1	**PROG 7982 PORT1:**50000	Enter the Port detail (provided by your CMS supplier) (Max.5 digitals)
	PORT2	**PROG 7982 PORT2:**53011	Enter the Port detail (provided by your CMS supplier) (Max.5 digitals)
	IPAC1	**PROG 7982 IPAC1:**1241	Enter the 4 or 6 digits for the first IP account number
	IPAC2	**PROG 7982 IPAC2:**1241	Enter the 4 or 6 digits for the second IP account number
Siren Delay	SDELA	**PROG 7982 SDELA:**100	100 → 1(Area 1) 00 (siren delay time is 0 min), To set siren delay time (0~10 mins) for 00 for 0 Min, …, and 10 for 10 mins
		PROG 7982 SDELA:210	210 → 2(Area 2) 10 (siren delay time is 10 mins)
Verification	VERIF	**PROG 7982 VERIF:**10/20	To set verification option function: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 VERIF:11/21	11 → 1 (Area 1) 1 (function enable) 21 → 2 (Area 2) 1 (function enable)
Final Door	FNLDR	**PROG 7982 FNLDR:**10/20	To set final door option function: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 FNLDR:11/21	11 → 1 (Area 1) 1 (function enable) 21 → 2 (Area 2) 1 (function enable)
Interference	JAMMG	**PROG 7982 JAMMG:**0	To set interference option function (for both Areas); 0 → function disable 1 → function enable
		PROG 7982 JAMMG:1	
Check-in Rpt	CHKIN	**PROG 7982 CHKIN:**00	To set auto check-in reporting function (for both Areas); 00 → function disable
		PROG 7982 CHKIN:01	01 → Auto-Check In reporting for every 15mins 02 → Auto-Check In reporting for every 30mins
		PROG 7982 CHKIN:02	03 → Auto-Check In reporting for every 1 hour 04 →every 2 hours; 05 → every 3 hours; 06 → every 4 hours 07 → every 6 hours; 08 →every 8 hours; 09→every 12 hours
		PROG 7982 CHKIN:09	10 → Auto-Check In reporting for everyday
		PROG 7982 CHKIN:10	11 → Auto-Check In reporting for 2 days 12 → every 3 days; 13 → every 4 days; 14 → every 5 days; 15 → every 6 days
		PROG 7982 CHKIN:15	16 → Auto-Check In reporting for weekly 17 → every 2 weeks; 18 → every 3 weeks
		PROG 7982 CHKIN:18	19 →Auto-Check In reporting for every 4 Weeks
Offset Period	OFFST	**PROG 7982 OFFST:**01	To set offset period (for both Areas): 01 → auto check-in reporting will be send after the first hour
		PROG 7982 OFFST:02	02 → auto check in reporting will be send after 2 hours
		PROG 7982 OFFST:03	03 → auto check in reporting will be send after 3 hours
		PROG 7982 OFFST:08	08 → auto check in reporting will be send after 8 hours
		PROG 7982 OFFST:10	10 → auto check in reporting will be send after 10 hours
		PROG 7982 OFFST:12	12 → auto check in reporting will be send after 12 hours

ITEM	COMMAND	USAGE	DESCRIPTION
Back-up Method	BAKUP	**PROG 7982 BAKUP:**0	To set back up method (for both Areas): 0 → Back up None 1 → Back up 1 2 → Back up 2
		PROG 7982 BAKUP:1	
		PROG 7982 BAKUP:2	
Retry Method	ASSIG	**PROG 7982 ASSIG:**0	To set retry method (for both Areas): 0 → One by one 1 → Alternative
		PROG 7982 ASSIG:1	
Warring-Beep	WARNB	**PROG 7982 WARNB:**10	To set warning beep volume: (only Area1) 10 → 1 (Area 1) 0 (function disable)
		PROG 7982 WARNB:11	11 → 1 (Area 1) 1 (low volume)
		PROG 7982 WARNB:12	12 → 1 (Area 1) 2 (high volume)
		PROG 7982 TCODE:212340	
A Exit Time	EXARM	**PROG 7982 EXARM:**100	To set away exit time; (00 for 0 sec, 10 for 10 sec, …, 70 for 70 sec) 100 → 1 (area 1) 00 (for 0 sec) 270 → 2 (area 2) 70 (for 70 secs)
		PROG 7982 EXARM:270	
A Entry Time	ENARM	**PROG 7982 ENARM:**100	To set away entry time: (00 for 0 sec, 10 for 10 sec, …, 70 for 70 sec) 100 → 1 (area 1) 00 (for 0 sec) 240 → 2 (area 2) 40 (for 40 secs)
		PROG 7982 ENARM:240	
H Exit Time	EXHOM	**PROG 7982 EXHOM:**100	To set home exit time: (00 for 0 sec, 10 for 10 sec, …, 70 for 70 sec) 100 → 1 (area 1) 00 (for 0 sec) 270 → 2 (area 2) 70 (for 70 secs)
		PROG 7982 EXHOM:270	
H Entry Time	ENHOM	**PROG 7982 ENHOM:**100	To set home exit time: (00 for 0 sec, 10 for 10 sec, …, 70 for 70 sec) 100 → 1 (area 1) 00 (for 0 sec) 240 → 2 (area 2) 40 (for 40 secs)
		PROG 7982 ENHOM:240	
Master Code	MCODE	**PROG 7982 MCODE:**12222	To change master code: 12222 → 1 (Area 1) 2222 (new master code) 22222 → 2 (Area 2) 2222 (new master code)
		PROG 7982 MCODE:22222	
Duress Code (see Note 3)	DCODE	**PROG 7982 DCODE:**13333	To change duress code: 12222 → 1 (Area 1) 3333 (new duress code) 22222 → 2 (Area 2) 3333 (new duress code)
		PROG 7982 DCODE:23333	
Mobility	MOBIL	**PROG 7982 MOBIL:**10/20	1 → 1 (Area 1) 0 (Disable) 2 → 2 (Area 2) 0 (Disable)
		PROG 7982 MOBIL:11/21	1 → 1 (Area 1) 1 (4Hours) 2 → 2 (Area 2) 1 (4Hours)
		PROG 7982 MOBIL:12/22	1 → 1 (Area 1) 2 (8Hours) 2 → 2 (Area 2) 2 (8Hours)
		PROG 7982 MOBIL:13/23	1 → 1 (Area 1) 3 (12Hours) 2 → 2 (Area 2) 3 (12Hours)
AC Failure Report	ACRPT	**PROG 7982 ACRPT:**0	To set AC failure report function: 0 → function disable 1 → function enable
		PROG 7982 ACRPT:1	
Alarm Length	ALENG	**PROG 7982 ALENG:**102	102 → 1(Area 1) 02 (Alarm length is 2 min),
		PROG 7982 ALENG:215	215 → 2(Area 2) 15 (Alarm length is 15 min)
			Alarm length can be Disable to 15 mins (00 for Disable… 02 for 2 Min, …, 10 for 10 mins,…, and 15 for 15 mins).
Local Siren	LSIRN	**PROG 7982 LSIRN:**10/20	To set local siren function: 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 LSIRN:11/21	11 → 1 (Area 1) 1 (function enable) 21 → 2 (Area 2) 1 (function enable)
Tamper	TAMPE	**PROG 7982 TAMPE:**0	0 → Normal 1 → Away Only
		PROG 7982 TAMPE:1	

ITEM	COMMAND	USAGE	DESCRIPTION
Supervision	SUPPR	**PROG 7982 SUPPR:**00	00 → Supervision Function disable
		PROG 7982 SUPPR:04	04 → 4 Hours
		PROG 7982 SUPPR:06	06 → 6 Hours
		PROG 7982 SUPPR:08	08 → 8 Hours
		PROG 7982 SUPPR:12	12 → 12 Hours
		PROG 7982 SUPPR:24	24 → 24 Hours
Latch Select	LATCH	**PROG 7982 LATCH:**0	To set Latch Select option function (for both Areas): 0 → Latch select 1 → Latch on 2 → Latch off
		PROG 7982 LATCH:1	
		PROG 7982 LATCH:2	
GSM Call Back	REPLA	**PROG 7982 REPLA:**886&0	To replace the Country Code with 0 886 → Country Code
Door Chime	CDOOR	**PROG 7982 CDOOR:**10/20	To set door chime function 10 → 1 (Area 1) 0 (function disable) 20 → 2 (Area 2) 0 (function disable)
		PROG 7982 CDOOR:11/21	11 → 1 (Area 1) 1 (low volume) 21 → 2 (Area 2) 1 (low volume)
		PROG 7982 CDOOR:12/22	12 → 1 (Area 1) 2 (high volume) 22 → 2 (Area 2) 2 (high volume)
RC Entry Enable	RCENT	**PROG 7982 RCENT:**0	To set RC Entry Enable Option function (for both Areas): 0 → RC Entry Enable option 1 → RC Entry Enable on 2 → RC Entry Enable off
		PROG 7982 RCENT:1	
		PROG 7982 RCENT:2	
Remote Update	REPGM	**PROG 7982** **REPGM:**1192.168.1.2 53022 ABC DEF V01.bin Panel	Remote update command: **1192.168.1.2 53022 ABC ABC V01.bin Panel** **1** → select IP Address **192.168.1.2** → the public IP address of your computer ☞ Please note that the PC must be able to be directly accessed from internet with Public IP. **53022** → Port numbers **ABC** → username / administrator **DEF** → Password **V01.bin** → Update File **Panel** → CTC-1241NXP

<Note>

1. A SMS message may contain up to 168 characters, including spaces & symbols.
2. A SMS message may contain multiple SMS commands by using "+", as long as it is equal or less than 168 characters. For example "**PROG_7982_Tamper:0+CDOOR:10+RC-ET:10**", where "_" means a space.
3. Deletion of characters represents no input value. For example: "**PROG_7982_PORT1:_ +_ PORT2:**", where "_" means a space.
4. Deletion of user names represents area number + no input value. For example: "**PROG_7982_UNAM1:1**", where "_" means a space.

5.Appendix

5.1. 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 **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 onto the next character by the same method.
- The keys have the following functions:

1	1 , ! ? – 【 】 @ /
2	2 A B C Æ Å a b c æ å
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 Ø m n o ø
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 naming is complete, press **OK** key to confirm and return to the previous main menu.

<NOTE>

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

5.2. Reset Procedure

◆ Reset to Factory Default Setting

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

1. Power down Control Panel and remove the battery
2. Apply power while holding down the ▲ key.
3. Release the ▲ key when a tone is heard, **Enter Code** will be displayed.
4. Enter the following keys sequence: ▲▼▲▼▲▼▲▼, **OK** key
5. Press the ↻ key
6. All programmed parameters are reset to factory default.
7. If an incorrect key is entered, the unit will revert to normal **Alarm On** mode.

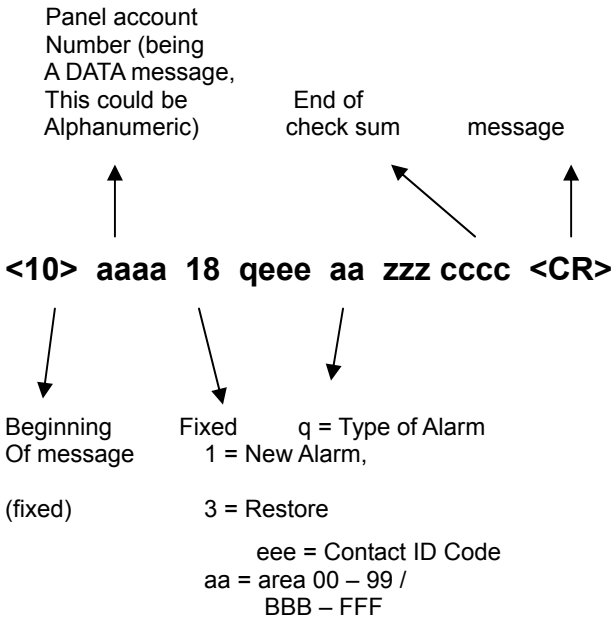
<NOTE>

☞ Once **System Reset** is executed, all programmed data is 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.

5.3. GPRS Connection Protocols

This protocols is used to transmit SMS messages. However, different Central Monitoring Stations may provide different protocols for end user.

Here is an Example of message send via SMS:



5.4. Communication Protocol & Format

CTC-1241 Control Panel communicates with Central Station receiver by using Contact-ID protocol.

The Control Panel to RECEIVER communication section is composed of three basic elements:

The Handshake Tone sequence, Message Blocks, and Acknowledgements. The Handshake Tone sequence consists of a pair of single-frequency tones sequenced in time. The Message Blocks consists of a series of DTMF tone bursts separated by spaces. The Acknowledgement Tone is a single tone burst.

5.4.1. Handshake Tone

The Handshake Tone sequence is produced by the RECEIVER. The purpose is to signal the Control Panel that the communication channel is ready.

5.4.2. Placement

The Handshake Tone sequence is emitted by the receiver after going off-hook and delaying an interval of at least 0.5 seconds but typically no greater than 2.0 seconds. This time allows the phone network connection to settle before the communication process begins.

5.4.3. Composition

The handshake tone sequence shall consist of:

A burst of 1400 Hz. ± 3% tone with a duration of 100 msec. ± 5%

A pause of 100 msec. ± 5%

A burst of 2300 Hz. ± 3% tone with a duration of 100 msec. ± 5%

5.4.4. Message Blocks

A Message Block is sent by the Control Panel. Each message block contains sufficient information to report an event in the system.

5.4.5. Placement

The first message block is sent beginning 250 msec. (250 min., 300 max.) after the end of either the Handshake Tone sequence or after a Kiss off (Acknowledgement) tone. The delay is timed from the end of the tone.

5.4.6. Message Composition

The form of the message is:

Where		**ACCT MT QXYZ GG $C_1C_2C_3$**
ACCT	=	4 Digit Account number (0-9, B-F)
MT	=	Message Type, 18H.
Q	=	Event qualifier, which gives specific event information:
XYZ	=	Event code (3 Hex digits 0-9, B-F)
GG	=	Area number (00=Area 1, 01=Area 2)
$C_1C_2C_3$	=	1. For devices: zone number

$C_1C_2C_3$ = Zone number
001 Zone 1
002 Zone 2
……..
080 Zone 80

2. For Panel: code

$C_1C_2C_3$ = Code	
Guardian code Tel 1	939
Guardian code Tel 2	940
Guardian code IP 1	931
Guardian code IP 2	932
User PIN Code 1	001
User PIN Code 2	002
User PIN Code 3	003
User PIN Code 4	004
User PIN Code 5	005
User PIN Code 6	006
Web	961
Temporary Code	901
Duress Code	929
Control Panel	000
Control Panel Input Terminal	081

5.4.7. Data Tone

The message is sent using standard DTMF tones.

The timing of the tones shall be as follows:

Burst ON time – 50 msec. (50 min., 60 max.)

Burst OFF time – 50 msec. (50 min., 60 max.)

5.4.8. Kiss off (Acknowledgement) Tone

The Kiss off tone from the receiver is used to tell the Control Panel that the message has been received successfully. The frequency of the tone is 1400 Hz. ± 3%. The Control Panel detects a minimum of 400 msec. of tone before considering the kiss off to be valid.

5.4.9. Event Code

5.4.9.1. Medical Alarms

- **100 - Medical**
  - When the Wrist Transmitter (WTR, RC, DC or Panel) is triggered.
- **101 - Personal Emergency**
  - When the Wrist Transmitter (WTR) or Emergency Pendant is pressed.

5.4.9.2. Fire Alarms

- **110 - Fire**
  - When the DC, Panel, RC is triggered.
- **111 - Smoke**
  - When the Smoke Detector (SD) is triggered.

5.4.9.3. Panic Alarms

- **120 - Panic**
  - When the Panic Button of the Remote Controller (RC or WTR) is pressed.
- **121 - Duress**
  - When the Duress Code is entered to Disarm or Arm the system.
- **122 - Silent Panic**
  - When the Panic Button of the Remote Controller 、WTR is pressed.

5.4.9.4. Burglar Alarms

- **130 - Burglary**
  - When any one of the following devices is triggered:
    - The Door Contact (DC) set as **Burglary** or **Home Access** (@ **B** or **A**)
    - The Door Contact (DC) set as **24 Hours** (@ **H**)
    - The Door Contact (DC) set as **Delay** Zone or Away Only(@ **D** or **Y**)
    - The PIR set as **Burglary** (@ **B**)
    - The PIR set as **Delay** (@ **D**)
    - Device Tamper Fault under Arm mode
- **131 - Perimeter / Burglar**
  - When the DC set as **Entry** or **Away Entry** (@ **E** or **P**) is triggered.
  - When the PIR set as **Entry** or **Away Entry** (@ **E** or **P**) is triggered.
- **132 - Interior**
  - When the DC set as **Home Omit, Day Home omit** or **Night Home Omit**(@ **O** or **DO** or **NO**) is triggered.
  - When the PIR set as **Home Omit, Day Home omit** or **Night Home Omit**(@ **O** or **DO** or **NO**) is triggered.
- **133 - 24H Burglary**
  - When the DC set as **24H Burglary** is triggered.
- **139 - Alarm Confirmation**
  - When the Alarm was verified by the triggering of a second alarm from a different Burglar IR or DC within a 30-min period.

5.4.9.5. General Alarms

- **147 - Sensor Supervisor Failure**
  - When CTC-1241 can't receive the signal transmitted from any one of the following devices individually for a period of the pre-set Supervision time.
    - Door Contact
    - PIR Sensor
    - Smoke Detector
    - WS Detector

5.4.9.6. 24-Hour/Non-Burglar

- **1150 - 24H Special Door Contact**
  - When the DC set as **24H Special** is opened
- **3150 - 24H Special Door Contact**
  - When the DC set as **24H Special** is closed
- **151 - Gas Detector**
  - When the Gas detector is triggered.
- **154 - Water Leakage**
  - When the Water Sensor connected to DC set as **Wate**r (@**W**) is triggered.
- **162 - CO Detector**
  - When the Carbon Monoxide detector is triggered.

5.4.9.7. System/Sensor Troubles

- **301 - AC Failure**
  - When the AC power fails for more than 50-60 min.
- **302 - Low Battery**
  - When the battery voltage of the Control Panel is low.
- **311 - Battery MISS**
  - When the back-up battery is not connected for more than 30 min.
- **344 - RF Receiver Jam Detect**
  - When the Control Panel's RF signal has been interfered.
- **381 - Signal Lost in 20 min (EN)**
- **383 - Sensor Tamper**
  - When the Tamper Switch on any one of the following devices is triggered .
    - Door Contact
    - PIR Sensor
    - KP

- **384 - Sensor Low battery**
  - When the battery voltage of any one of the following devices is low.
    - Door Contact
    - PIR Sensor
    - KP
    - SD\CO
    - WS
    - BX\SR
    - WTR\NS\RC\PB

5.4.9.8. Open/Close/Remote Access

- **400 - Open/Close (for Norway)**
  - When the system is opened (disarmed) or closed (armed) by using the Remote Controller, or when opened (disarmed) by using the Night Switch (NS).
- **401 - O/C by user**
  - When the system is opened (disarmed) or closed (armed) by entering User Pin codes #1-6, Guardian code, or remotely from Web.

<NOTE>

☞ The CTC-1241 normally doesn't report open/close status. However, whenever arming or disarming the system by entering the **Guardian Code**, CTC-1241 will report event code **401** with Zone Number **016** (Tel 1 account number) or **024** (IP 1 account number).

- **406 - Panel Alarm Cancel**
- **407 - Remote Arm/Disarm**
- **408 - Quick Arm (Panel Terminal /TG/DC Set/Unset)**
  - When the DC set as **Set\Unset** (@ **S**) is triggered.
- **454 - Fail Arm (EN)**
  - When the arming process is failed.
- **456 - Partial Arm**
  - When partially arm the system from Disarm to Home arm
- **465 - Device Alarm Cancel (SD/PB/WTR)**
  - When the alarm from Panic Button (PB) or Wrist Transmitter (WTR) is cancelled within 8 seconds
  - When an alarm is triggered by SD and the test button on the SD is pressed

5.4.9.9. Test/Misc.

- **602 - Periodic Test Report**
  - When the CTC-1241 makes periodic Check-in reporting.
- **628 - Exiting Installing Mode**
  - When the CTC-1241 exits installing mode
- **641 - Mobility**
  - When the CTC-1241 makes Mobility Check reporting.