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ARITECH

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Alarm system

CS5500 Programming Manual

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1 INTRODUCING THE CSx75 SYSTEM

1.1 Getting Started

1.1.1 Welcome

Welcome to the CSx75 system range. We hope that you find it a useful addition to our range of security products. The system design allows a fully loaded system to be housed in one single metal or plastic enclosure. It can be expanded as required with additional boards. The new menu driven keypad, the CS5500, allows you to program the system easily using a menu structure. If you are using a different keypad, see the relevant manual for programming information.

Four different panel types are available: the CS175, the CS275, the CS575 and the CS875. This programming manual details how to program the CSx75 range using the new CS5500 LCD keypad.

1.1.2 Default codes

Table 1 lists the default codes for the system in each country.

Country	Country code	User code	Installer code	Download access code
Baltic states	03	1122	1278	12780000
France	02	1122(56)	1278(00)	84800000
Belgium	11	1122(56)	1278(00)	12780000
Czech Republic	20	1122	1278	12780000
Denmark	07	1122	1278	12780000
Germany	04	1122(56)	1278(00)	12780000
Hungary	22	1122	1278	12780000
Ireland	12	1122	1278	12780000
Italy	10	7777(77)	8522(22)	84800000
Netherlands	01	1122(56)	1278(00)	12780000
Norway	05	1122	1278	12780000
Poland	18	1122(56)	1278(00)	84800000
Portugal	21	1122(56)	1278(00)	84800000
Slovak Republic	24	1122	1278	12780000
Spain	09	1122(56)	1278(00)	84800000
Sweden	06	1122	1278	12780000
UK	03	1122	1278	12780000

Table 1 Default codes

The brackets contain the additional digits for 6-digit codes.

1.2 LCD keypad (CS5500)

The CS5500 LCD keypad allows you to program the CSx75 system using a menu structure.

	Power (green)	• **On** if the system is connected to the mains and the battery is OK. • **Flashes** if the system has no battery or a low battery. • **Off** if the system is not connected to the mains.
OK	**Ready (green)**	• **On** when the system is ready to arm. • **Flashes** when the system is ready to force arm. • **Off** when the system cannot be armed.
	Fire (red)	• **On** when a fire zone has been activated. • **Flashes** when there is a problem with a fire zone. • **Off** when all fire zones are operating correctly.
F1 F2 F3	**Function keys**	• Press **F1** to scroll to the start of the LCD message. • Press **F3** to scroll to the end of the LCD message. In multi-area mode, these keys have specific functions. If you select one or more areas in this mode: • Press **F1** to part arm the set of areas. • Press **F2** to full arm the set of areas. • Press **F3** to disarm the set of areas. You can program these keys to perform a function when not in multi-area mode. To do this, select *Installer Menu>This Keypad>Function Keys.* For more information on navigating the menus, see page 9.
NO	**No**	Press **No** to: • Cancel a change to the menu selection **or** • Navigate to a higher level in the menu structure **or** • Cancel a sequence when entering numeric data.

	**OK**	Press **OK** to: • Activate the menu **or** • Accept selection changes **or** • Move forward in the menu structure **or** • Complete a sequence when entering numeric data.
	**Hash**	When editing text and phone numbers: • Press # **F1** to move to the first character or number. • Press # **F3** to move to the last character or number. • Press # ↓ to delete from the current position to the last character or number.
 	**Navigation keys**	Press the navigation keys to scroll through menu lists and options. When in multi-area mode or not in a menu: • Press ↑ to display bypassed zones. • Press ↓ to display problem zones. When editing text and phone numbers: • Press ↑ to overwrite or insert text. • Press ↓ to delete text.

1.3 Other methods of programming

You can use the CS5500 keypad to program the system without the menu system. This mode uses devices, locations and segments.

To program in this mode using the CS5500 keypad:

- Use the **OK/Menu** key instead of the ***** key.
- Use the **F2** key instead of the **Exit** key.

To access this mode, select *Installer Menu>Commands>Device/Location Programming*. For more information on navigating the menu, see page 9.

The recommended programming method is to use the menu structure rather than devices and locations.

You can also program the system using UDx75 software. For more information, see page 16.

2 PROGRAMMING THE SYSTEM

2.1 Powering up the system

When the CS5500 if powered up for the first time, the language, keypad defaults, partition and keypad must be set. These options must also be set each time a keypad is defaulted.

- The language option sets the first language of the keypad.
- The keypad defaults option sets the country specific keypad defaults. It does not default the keypad.
- The partition and keypad options set the keypad address.

Use the navigation keys to scroll between the different options and press **OK** to select an option. See *Navigating the menus* for more information.

2.2 Entering programming mode

Your installer code allows you to program the system through the installer menu. There are two levels in the installer menu. The light menu contains the most important options and the advanced menu contains additional options.

1. Press **OK** at the system prompt and enter your installer code. For a list of default codes, see page 6.
2. Use the ↑↓ keys to navigate the menu. The full menu map can be found in the *Menu Structure* included in your language kit. The light menu is in green text and the advanced menu is in black text.
3. Select **OK** to select an option or use the numerical/character keys to edit the existing option.

To switch to the advanced menu, navigate to Commands>Advanced and select Enabled. The keypad displays the advanced menu until this option is disabled.

2.2.1 Changing the user interface language

1. Press **OK** at the system prompt.
2. Press **OK** again to display the system prompt in a different language.
3. Press **OK** until you find the language you require.
4. Continue using the keypad as normal.

2.3 Navigating the menus

- Press the ↑↓ keys to scroll through menu lists and options.
- Press # ↑ to move to the same menu item for the previous option. For example, if you are in a submenu for zone 2, press # ↑ to move to the same submenu for zone 1.
- Press # ↓ to move to the same menu item for the next option. For example, if you are in a submenu for zone 2, press # ↓ to move to the same submenu for zone 3.

The keypad may timeout from the menu system and return to the default display.

2.3.1 Command menu

You can access a limited number of menu options without entering your installer code. This opens the command menu.

4. Press **OK** at the system prompt.
5. Press the ↑↓ keys to enter and navigate the command menu.

2.4 Selecting a menu option

- Press **OK** to select a menu option and move forward in the menu structure.
- Press **NO** to reject a menu option and move backwards in the menu structure.
- Press **F1** to move through the second line of the LCD display, one word at a time, from right to left.
- Press **F3** to move through the second line of the LCD display, one word at a time, from left to right.

2.5 Changing a menu option

The CSx75 has several editors that you can use to change the value of certain programmable menu options. You can change selection list entries, binary entries, phone numbers and text. This section describes how to change selection list entries, binary entries, numeric entries and phone numbers. For information on changing text, see page 14.

2.5.1 Changing selection list entries

1. Navigate with the ↑↓ keys to the relevant menu option and press **OK**.
2. The current value for the menu option is displayed, for example, *Enabled*.
3. Press the ↑↓ keys to change the value, for example, change *Enabled* to *Disabled*.
4. Press **OK** to accept the change.
   - If the new value is valid, the keypad beeps once to confirm the change and returns to the menu option.
   - If the new value is invalid, the keypad beeps three times to reject the change and returns to the menu option.
5. Press **NO** to cancel the change and return to the menu option.

2.5.2 Changing binary entries

1. Navigate with the ↑↓ keys to the relevant menu option and press **OK**.
2. The current value for the menu option is displayed, for example, *1 2 3 - - - - 8* means that 1, 2, 3 and 8 are on (included) while 4, 5, 6 and 7 are off (excluded).
3. Press the corresponding numerical key to change a value, for example, press **1** to change the state of 1 to off and press **4** to change the state of 4 to on. The display changes to *- 2 3 4 - - - 8*.
4. Press **OK** to accept the changes.

   If the new values are valid, the keypad beeps once to confirm the change and returns to the menu option.

   If the new value is invalid, the keypad beeps three times to reject the change and returns to the menu option.
5. Press **NO** to cancel the changes and return to the menu option.

2.5.3 Changing numeric entries

1. Navigate with the ↑↓ keys to the relevant menu option and press **OK**.
2. The current value for the menu option is displayed, for example, 55.
3. Do one of the following:

- Press a number key to clear the current value and display the value of the key pressed.
- Press ↑ to increase the current value by one.
- Press ↓ to decrease the current value by one.
- Press ## to clear the current value to 0.

4. Press the number keys to enter the value.
5. Press **OK** to accept the changes.
   - If the new value is valid, the keypad beeps once to confirm the change and returns to the menu option.
   - If the new value is invalid, the keypad beeps three times to reject the change and returns to the menu option.
6. Press **NO** to cancel the changes and return to the menu option.

2.5.4 Changing phone numbers and phone prefixes

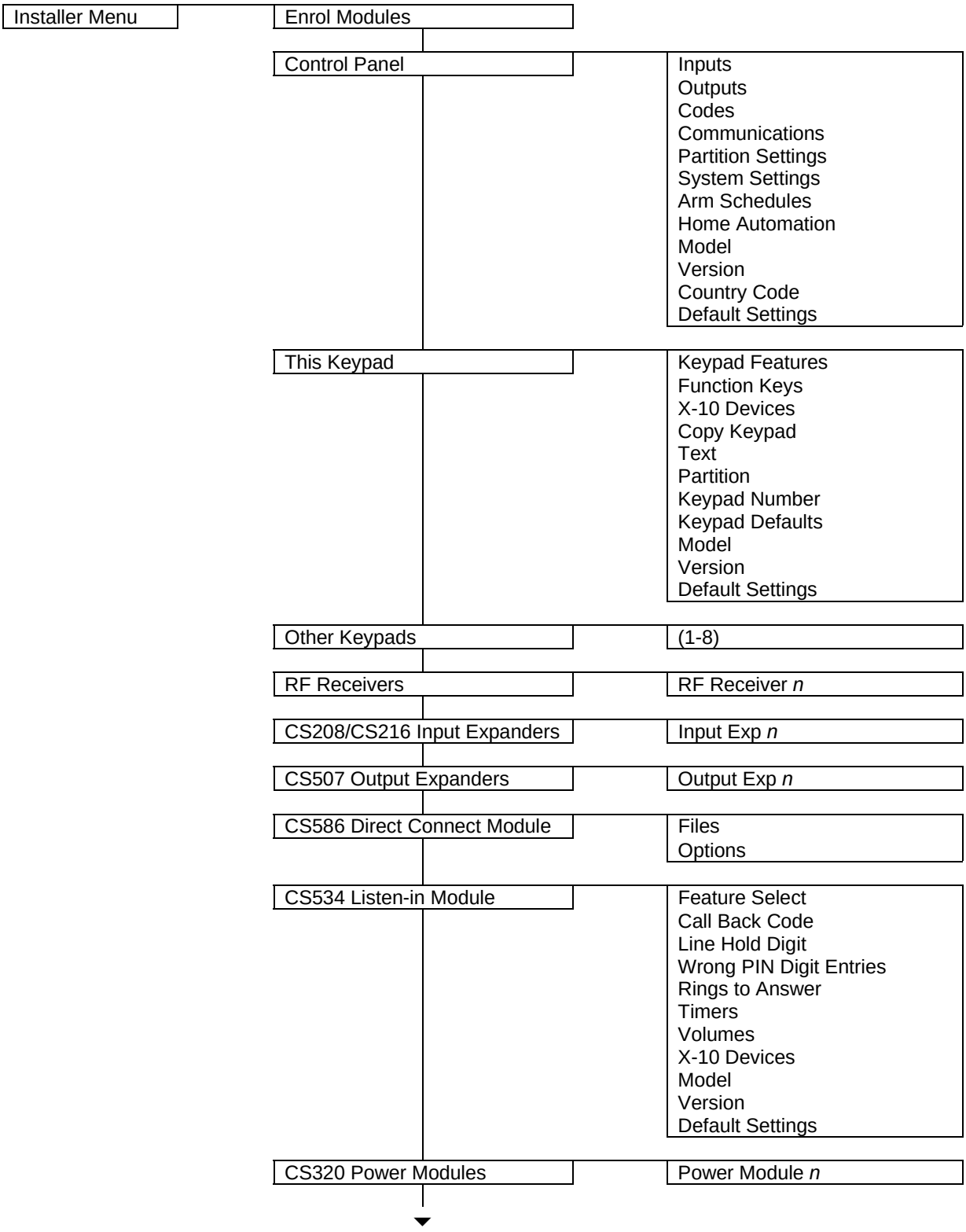
1. Navigate with the ↑↓ keys to the relevant menu option and press **OK**.
2. The current value for the menu option is displayed, for example, *4567999*.
3. Do one of the following:
   - Press ↑ to toggle between insert mode and overwrite mode (insert mode allows you to insert new numbers and overwrite mode allows you to overwrite existing numbers).
   - Press ↓ to delete the number at the cursor position.
   - Press #↓ to delete all the numbers from the number at the cursor position to the end of the string.
4. Do one of the following:
   - Press the keys **0** to **9** to insert new numbers.
   - Press #**1** to insert a star.
   - Press #**2** to insert #.
   - Press #**3** to insert a four-second delay.
   - Press #**4** to change to pulse dialling.
5. Press **OK** to accept the changes.
   - If the new number is valid, the keypad beeps once to confirm the change and returns to the menu option.
   - If the new number is invalid, the keypad beeps three times to reject the change and returns to the menu option.
6. Press **NO** to cancel the changes and return to the menu option.

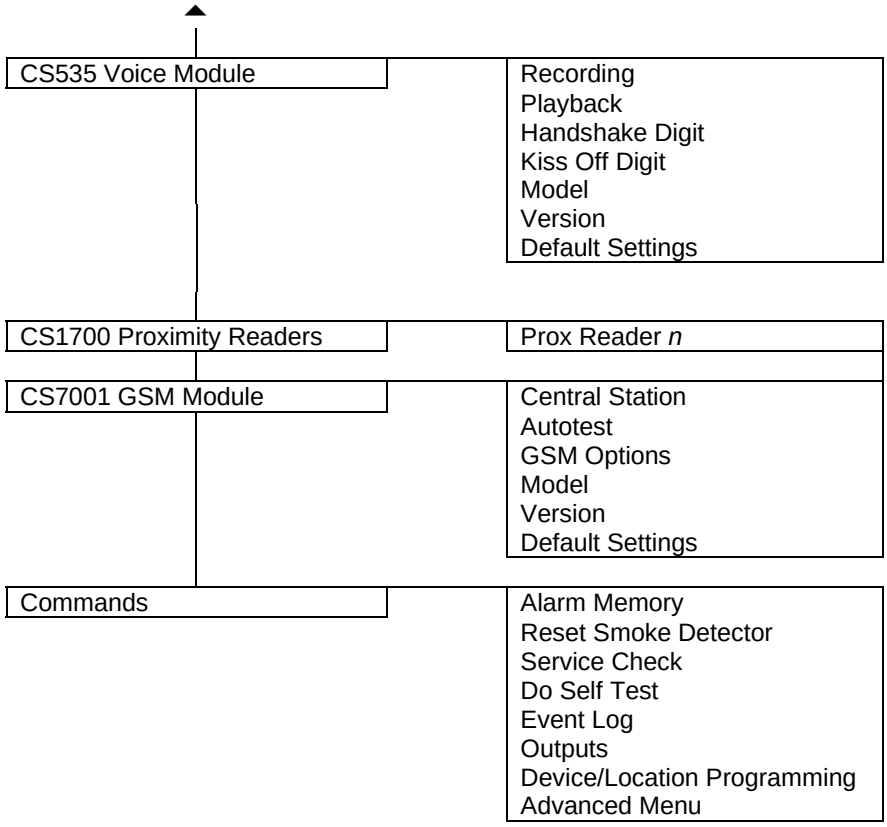
2.6 Exiting the menu system

1. Press ## to display the *OK to Exit* prompt.
2. Press **OK** at this prompt to exit the menu system.

2.7 Programming map

The highest level of the menu structure is outlined below. The full menu structure can be found in the *Menu Structure* included in your language kit. It provides a complete overview of all modules and programming entries and should be used as a reference tool when programming the system. For a definition of each menu structure entry, see the glossary at the end of this manual.




CS535 Voice Module
Recording
Playback
Handshake Digit
Kiss Off Digit
Model
Version
Default Settings
CS1700 Proximity Readers
Prox Reader n
CS7001 GSM Module
Central Station
Autotest
GSM Options
Model
Version
Default Settings
Commands
Alarm Memory
Reset Smoke Detector
Service Check
Do Self Test
Event Log
Outputs
Device/Location Programming
Advanced Menu

3 EDITING TEXT

3.1 Overview

The CSx75 has a text editor that includes a word library. You can use this editor to change the text of certain programmable text options.

1. Navigate with the ↑↓ keys to the relevant menu option and press **OK**.
2. Press **OK** to select the language you want to edit. See page 9 for more information.
3. The current text for the menu option is displayed, for example, *Zone 2*.
4. Do one of the following:
   - Press ↑ to toggle between insert mode and overwrite mode (insert mode allows you to insert new text and overwrite mode allows you to overwrite existing text).
   - Press ↓ to delete the character at the cursor position.
   - Press #↓ to delete all the characters from the character at the cursor position to the end of the string.
5. Press the keys **0** to **9** to insert new characters. Each key cycles through lower case and then upper case characters.
6. Press **OK** to accept the changes. The keypad beeps once to confirm the change and returns to the menu option.
7. Press **NO** to cancel the changes and return to the menu option.

A flashing cursor highlights the character you are editing.

*Press **F2** to toggle flashing on the current character.*

*Press #**F2** to toggle flashing on the current word.*

3.1.1 Example

To change a zone name from *Zone 2* to *Upstairs*:

1. Navigate to *Zone 2* and press **OK**.
2. Press #**F1** to go to the start of the zone name.
3. Press #↓ to delete all the characters.
4. Press **8** four times to enter the upper case letter ‘U’.
5. Press **7** once to enter the lower case letter ’p’. Continue until you have entered the new zone name.
6. Press **OK** to save your changes.

Each character key cycles through lower and upper case letters and language specific characters.

3.2 Word library

The word library is a predefined collection of words that speeds up text editing. As you type a character, the keypad automatically displays a matching word. The word library is enabled by default. For a complete list of words in the word library, see page 46.

- To accept the word, press **F3**. The cursor moves to the end of the new word and you can continue to enter text.

- To accept a shortened version of the word, press **F3** to accept the word. Then move the cursor to the unnecessary characters and press ↓ to delete them.
- To reject the word, continue entering text as normal.
- Press the ↑↓ keys to scroll through the list of word library words.
- To disable the word library:
    1. Navigate with the ↑↓ keys to *Word Library* and press **OK**.
    2. The current state of the word library is displayed. In this case, it is enabled.
    3. Use the ↑↓ keys to change the state to disabled and press **OK**.
    4. The keypad beeps once to accept the change and returns to *Word Library*.

3.3 Installer message

Up to four messages can be displayed on the LCD when the keypad is idle or when it times out from a menu. If you enable more than one message, the messages are shown in a continuous cycle.

- **Installer message**
  You can define a message of up to two lines long that is displayed by default. You can enable or disable this message.
- **Date and time**
  The current system date and time. You can edit, enable or disable this message.
- **Service required**
  A service message that is displayed when a system fault occurs. You cannot edit this message but you can enable or disable it.
- **System ready/not ready**
  The status of the system. You cannot edit or disable this message.

To enable the installer message:

1. Navigate with the ↑↓ keys to *This Keypad* and press **OK**.
2. Select *Keypad Features>Display* and press **OK**.
3. Scroll to *Custom Message* and press **OK**. The current status of the installer message is displayed. In this case, it is disabled.
4. Use the ↑↓ keys to change the status to enabled and press **OK**.
5. The keypad beeps once to accept the change and returns to *Custom Message*.

4 PROGRAMMING WITH THE UDX75 SOFTWARE

4.1 Other methods of programming

You can program the system using the CS5500 keypad or the UDx75 software. This software allows you to download the programming information on the control panel to the computer running the UDx75 software, change it and upload the changes from the computer to the panel. It also allows you to view the program log and event log. To program the system using this software, you must connect the control panel to the computer.

4.2 Connecting the panel to the computer

You can connect the control panel to the computer either directly via the RS232 serial port or remotely via a modem.

4.2.1 Connecting using a serial port

Connecting via a serial port is useful if you are on site and want to connect directly to the alarm system.

The connection to the CS275, CS575 or CS875 panel is made through the RS232 port using CS590 cable.

The CS175 does not have an RS232 port. The connection to the CS175 is made through the CS586 module, which provides a standard RS232 bi-directional DB-9 connector. The CS586 can be used as a programming tool on any panel, as it is connected to the data bus. It stores control panel settings that can be up/downloaded using the keypad or a computer. For more information on reading data from the CS586, see the *Installation Manual*.

To use the UDx75 software with a direct connection:

1. Double click the icon for the software or click *Start>Programs>UDX75>UDX75*.
2. The *UDX75* window and the *UDX75 Master access* screen open.
3. Enter the operator name and password and click **OK**.
4. The *UDX75 Operator access* screen opens.
5. Enter the current operator and password and click **OK**.
6. To connect to the panel directly via the serial port, select *Download>Connect>Direct connect*. The *Connecting* message box opens.
7. To connect to the panel via a TCP/IP network, select *Download>Connect>Connect TCP/IP*. The *Reserved (TCPIP)* screen opens. Enter the TCP/IP address and click **OK**.
8. When you are finished uploading or downloading, select *Download>Disconnect*.

The default operator is Aritech and the default password is 1278. You may have to enter this twice.

4.2.2 Connecting using a modem

You can connect the control panel to the computer remotely via a modem. This can be useful if you are not on site and want to connect to the alarm system.

You can connect normally or connect using answering machine defeat (AMD). If you use AMD, the automatically timed two-call-answer-machine-defeat sequence is used.

To use the UDx75 software with a modem connection:

1. Follow steps 1 - 5 on page 16.
2. Make sure that the modem settings are correct. For more information about modem settings, see the *UDx75 Online Help*.
3. Select *Download>Connect> Connect Using AMD*.
4. A message box opens saying *Initializing modem*.
5. The computer connects to the panel.
6. When you are finished uploading or downloading, select *Download>Disconnect* or click the **Disconnect** icon.

4.3 Programming with up/download software

Downloading allows you to read the existing programming data or the event log from the control panel. Uploading allows you to send programming data, that you have set up using the UDx75 software, from the computer to the control panel.

Before you download or upload information, do the following:

1. Ensure that the relevant control panel options are programmed correctly. There are a minimum number of options that you must set before you can program the control panel using the up/download software. Table 2 lists the options and the values to enter.
2. Ensure that the up/download access code is the same in both the up/download software and the control panel. See Table 1 for the correct default code.
3. If you are connecting remotely, make sure that the modem settings are correct. For more information about modem settings, see the *UDx75 Online Help*.
4. Connect to the panel via the serial port or modem.
5. Select *Download>Read all* to download all the data from the control panel. The computer downloads the data from the panel.
6. Select *Download>Send all* to upload all the data to the control panel. The computer uploads the data to the panel.

The data that is downloaded and the downloading speed depend on the *Send All/Read All* settings. The default number of strings sent to the keypad is 192 but it is possible to limit the number of strings sent. If the default number is reduced, download time decreases. For more information on setting up/download options, see the *UDx75 Online Help*.

Keypad menu option	Value
Serial Port>Connection Type	Home Automation
Serial Port>Speed	9600 Baud
Home Automation>Protocol	Binary
Home Automation>Transition Broadcasts	Ensure all options are set to *Off*. This is the default state.
Home Automation>Commands/Requests	Ensure all options are set to *On*. This is the default state.

Table 2 Required settings for up/downloading

4.3.1 Programming tasks

You can perform all available programming tasks using the UDx75 software. Table 3 shows the UDx75 menu path for each task.

Task	UDx75 menu option
Adding customer notes	View>Customers>Notes
Adding operators	Program>Setup>Add/Change operators
Backing up the database	Tools>Backup database
Changing a customer record	View>Customers>Single customer
Changing a master or operator password	Program>Change password
Changing operator rights	Program>Setup>Add/Change operators
Changing the additional phone settings	View>Control panel (Additional phone settings tab)
Changing the communicator codes	Advanced>4+2 Codes
Changing the download options	Program>Setup>Download options
Changing the partitions	View>Control panel (Partition tab)
Changing the report settings	View>Control panel (Phone numbers tab)
Changing the system 1 settings	View>Control panel (System 1 tab)
Changing the system 2 settings	View>Control panel (System 2 tab)
Changing the system 3 settings	View>Control panel (System 3 tab)
Changing the UDx75 settings	Program>Setup>Program setup
Changing the user arm/disarm codes	View>Control panel (Codes tab)
Compacting the database	Tools>Compact database
Connecting via the modem	Download>Connect >Connect or Download>Connect >Connect using AMD
Connecting via the serial port	Download>Connect>Direct connect
Copying a customer's panel settings	Program>Setup>Copy options
Deleting a customer record	View>Customers>Single customer
Deleting the event log	Download>Event log>Delete Event log
Downloading	Download>Send all
Downloading and updating the device list	Download>Device list>Enroll devices
Downloading the event log	Download>Event log>Read entire log
Exporting a database	Tools>Export database

Task	UDx75 menu option
Importing a database	Tools>Import database
Loading the default settings	Advanced>Default Control data
Logging in	Start>Programs>UDX75>UDX75
Printing a customer record list	Program>Print preview>Customer list
Printing a program log	Program>Print preview>Program log
Printing a programming worksheet	Program>Print preview>Programming worksheet
Printing an operator list	Program>Print preview>Operator list
Printing customer notes	Program>Print preview>Notes
Printing the event log	Program>Print preview>Event log
Programming the CS1700	Expanders>CS1700>1
Programming the CS208/CS216	View>Control panel (Zones tab)
Programming the CS320	Expanders>CS320>1
Programming the CS507	Expanders>CS507>1
Programming the CS534	Expanders>CS534
Programming the CS535	Expanders>CS535
Programming the CS7001	Expanders>CS7001
Programming the keypad text	Expanders>Keypad text
Programming the keypads	Expanders>Keypad options>Partition 1>Keypad 1
Programming the wireless receivers	Expanders>Wireless>1
Programming the zones	View>Control panel (Zones tab)
Repairing the database	Tools>Repair database
Restoring the database	Tools>Restore database
Retrieving and viewing a customer record	View>Customers>Single customer
Running diagnostics	Tools>Diagnostics
Setting auto call back options	Program>Setup>Auto callback
Setting customer account options	View>Customers>Account options
Setting the country and language	Program>Setup>Country/Language
Setting the download access	Advanced>Download options
Setting the format overrides	Advanced>Format overrides

Task	UDx75 menu option
Setting the outputs	Advanced>Auxiliary outputs
Setting the TCP/IP settings	Program>Setup>TCP/IP Settings
Setting the timed functions	Advanced>Timed functions
Setting the zone type	Advanced>Zone types
Setting up a customer record	View>Customers>Single customer
Setting up a modem	Program>Setup>Modem setup
Setting up answering machine defeat	Program>Setup>AMD setup
Specifying the direct connect settings	Program>Setup>Direct connect settings
Specifying the serial port settings	Advanced>Serial port settings
Switching operators	Program>Next operator
Uninstalling the software	Start>Settings>Control Panel
Uploading	Download>Read all
Viewing a customer record list	View>Customers>List
Viewing an operator list	Program>Setup>Add/Change operators
Viewing the auto answer failures	View>Customers>Auto answer failures
Viewing the control panel settings	View>Control panel
Viewing the event log	Download>Event log>Read entire log
Viewing the keypad status	View>Keypad status

Table 3 UDx75 menu paths

5 ADVANCED PROGRAMMING

5.1 Multi-area mode

You can program a keypad to act as a single-area keypad or a multi-area keypad by default. A single-area keypad allows the user to arm one area only while a multi-area keypad allows the user to arm one or more areas. A user with rights can change a single-area keypad to a multi-area keypad and vice versa.

1. Navigate with the ↑↓ keys to *Multi-Area Keypad* and press **OK**.
   - Select *Enable* to set the keypad as a multi-area keypad by default.
   - Select *Disable* to set the keypad as a single-area keypad by default.
2. Press **OK** to save the setting.
3. The keypad beeps once to confirm the change and returns to *Multi-Area Keypad*.

5.2 Copying zones

You can copy the settings for the current zone to another zone or a set of other zones. All the zone settings (except the user defined zone name and RF settings) are copied to the target zones.

1. Navigate with the ↑↓ keys to *Copy Zone* and press **OK**.
2. The keypad prompts you to enter the start zone.
3. Enter the number of the first zone to which the settings will be copied and press **OK**.
4. The keypad prompts you to enter the end zone.
5. Enter the number of the last zone to which the settings will be copied and press **OK**.

5.3 Modifying existing zone types

You can change the input type, name, attributes, sound and reporting features of an existing zone type. The following steps describe how to change the input type.

1. Navigate with the ↑↓ keys to *Zone Types* and press **OK**.
2. Scroll to the zone type to be modified and press **OK**.
3. To change the input type of the selected zone, navigate to *Input Type* and press **OK**.
4. Use the ↑↓ keys to select an input type that you want to enable/disable for the selected zone type and press **OK**.

5.4 Setting up a keypad to use multiple languages

You can set several languages on the keypad.

1. Navigate with the ↑↓ keys to *This Keypad* and press **OK**.
2. Scroll to *Text>Set Languages* and press **OK**.
3. The current language is displayed as *Language 1*.
4. Scroll to *Language 2* and press **OK**. If no language 2 is set, a blank line is displayed.
5. Use the ↑↓ keys to select the second language and press **OK**.
6. The keypad beeps once to accept the change and returns to *Set Languages*.
7. Press **NO** to cancel the change and return to *Set Languages*.

8. Repeat these steps to set other languages.

5.5 Setting up a communicator

The CSx75 supports different modes of reporting events to multiple central stations. There are six phone numbers - each phone number has it own account code, protocol and events. The configured prefix is common to all six phone numbers. If a four-second delay is specified in the prefix, the panel does not look for a dial tone, but performs blind-dialling. The following scenarios are examples of how to set different modes of reporting.

5.5.1 Reporting to one phone number

The control panel reports events to one central station only. You specify settings for phone number 1. Events for phone number 1 are enabled by default.

Level 1	Level 2	Value	State
Phone Number	Phone Number 1	123456	
	Phone Number 2		
Account Code	Phone Number 1	445566	
	Phone Number 2		
Protocol	Phone Number 1	SIA	
	Phone Number 2		
Events	Phone Number 1 – Alarms		**Enabled**
	Phone Number 1 – Alarm Restores		**Enabled**
	Phone Number 1 – Tampers and Restores		**Enabled**
	Phone Number 2 – Alarms		
	Phone Number 2 – Alarm Restores		
	Phone Number 2 – Tampers and Restores		

5.5.2 Backup reporting

Backup reporting configures the control panel to report to two or more central stations. The first phone number belongs to the main central station and all other phone numbers belong to the backup central stations. Events are reported to the first number but, if the panel cannot reach this number, it dials the backup number(s). The control panel makes two calls to each number in sequence. It performs the sequence for the number of times specified in *ARC Dial Attempts* or until it receives a kiss off. The same account code is used to report to all numbers. Events for phone number 1 are enabled by default and events for phone numbers 2 - 6 are disabled by default. If phone number 1 and phone number 2 are programmed, the default sequence is 1,1 2,2 1,1,2,2 for a total of eight calls to each number.

Level 1	Level 2	Value	State
Phone Number	Phone Number 1	123456	
	Phone Number 2	456789	

Level 1	Level 2	Value	State
Account Code	Phone Number 1	445566	
	Phone Number 2	445566	
Protocol	Phone Number 1	SIA	
	Phone Number 2	SIA	
Events	Phone Number 1 – Alarms		**Enabled**
	Phone Number 1 – Alarm Restores		**Enabled**
	Phone Number 1 – Tampers and Restores		**Enabled**
	Phone Number 2 – Alarms		**Disabled**
	Phone Number 2 – Alarm Restores		**Disabled**
	Phone Number 2 – Tampers and Restores		**Disabled**

5.5.3 Dual reporting

Dual reporting configures the control panel to report to two different central stations. Events must be reported to both phone numbers. The control panel dials the first number twice. If it cannot reach this number, it dials the second number twice. It performs this sequence for the number of times specified in *ARC Dial Attempts* or until it reports the events to both numbers. The same account code is used to report to both numbers. Events for phone number 1 are enabled by default and events for phone number 2 are disabled by default.

Level 1	Level 2	Value	State
Phone Number	Phone Number 1	123456	
	Phone Number 2	456789	
Account Code	Phone Number 1	445566	
	Phone Number 2	445566	
Protocol	Phone Number 1	SIA	
	Phone Number 2	SIA	
Events	Phone Number 1 – Alarms		**Enabled**
	Phone Number 1 – Alarm Restores		**Enabled**
	Phone Number 1 – Tampers and Restores		**Enabled**
	Phone Number 2 – Alarms		**Enabled**
	Phone Number 2 – Alarm Restores		**Enabled**
	Phone Number 2 – Tampers and Restores		**Enabled**

5.5.4 Split reporting

Split reporting configures the control panel to report to two different central stations. Some events must be reported to phone number 1 and others to phone number 2. The control panel dials the first number twice. If it cannot reach this number, it dials the second number twice. It performs this sequence for the number of times specified in *ARC Dial Attempts* or until it reports the relevant event to each number. The same account code is used to report to both numbers. Events for phone number 1 are enabled by default and events for phone numbers 2 are disabled by default.

Level 1	Level 2	Value	State
Phone Number	Phone Number 1	123456	
	Phone Number 2	456789	
Account Code	Phone Number 1	445566	
	Phone Number 2	445566	
Protocol	Phone Number 1	SIA	
	Phone Number 2	SIA	
Events	Phone Number 1 – Alarms		**Enabled**
	Phone Number 1 – Alarm Restores		**Enabled**
	Phone Number 1 – Tampers		**Disabled**
	Phone Number 2 – Alarms		**Disabled**
	Phone Number 2 – Alarm Restores		**Disabled**
	Phone Number 2 – Tampers and Restores		**Enabled**

6 PROGRAMMING A SAMPLE SYSTEM

6.1 The sample system

This chapter explains how to program a basic system using the tasks and settings outlined in Table 4. More information on installing a basic system can be found in the *Installation Manual*. Enter **1122** to silence the keypad if it starts beeping during programming.

Task	Programming information
Setting up the system	
Setting the keypad partition and keypad number	Partition 1
Setting the system date and time	Master user code
Enrolling the system modules	
Defaulting the panel	Module 0
Defining the country code	
Configuring the system	
Configuring the keypads	Partition 1 Keypad 1 Keypad 2
Configuring zones	4 hardware zones: Zone 1 is an entry/exit zone. Zone 2 and 3 are burglary zones. Zone 4 is a fire zone.
Configuring the phone settings	Phone number: 0852525 Account Code: 112233 Protocol: SIA
Programming the wireless modules	
Defaulting the wireless modules	RF receiver module 32
Programming the wireless detectors	2 zones: Zone 9 is a door/window sensor burglary zone. Zone 10 is a PIR detector burglary zone.

Table 4 A sample system

6.2 Setting up the system

When you have installed the system, select the user interface language. For more information on changing the language, see page 9.

6.2.1 Setting the keypad partition and keypad number

You must set the partition and keypad number for the current keypad. The keypad can connect to the bus only after you set these numbers.

1. The keypad prompts you to enter the partition number for the current keypad.

2. Enter the partition number and press **OK**. In this case, enter 1.
3. The keypad prompts you to enter the keypad number.
4. Enter the keypad number and press **OK**. In this case, enter 1.
5. The system prompt appears.
6. Repeat the above steps for each keypad connected to the system.

The partition number and keypad number prompts are displayed for the initial setting only. To change these numbers again, scroll to This Keypad>Partition and This Keypad> Keypad Number.

6.2.2 Setting the system date and time

You must enter a master user code to set the system date and time. For a list of master codes, see page 6.

1. Press **OK** at the system prompt.
2. Enter the master user code.
3. Scroll to *Options>Set Date/Time* and press **OK**.
4. The current time is shown as day of the week, hours and minutes (ww.hh.mm). The current date is shown as month, day and year (mm.dd.yy).
5. Press the ↑ key to increase the hour or press the ↓ key to decrease it.
6. Press **OK** to accept the changes and move the cursor forward.
7. When you have finished updating the date and time, press ## to return to the system prompt.

6.2.3 Enrolling the system modules

When you select the enrol modules process, new modules are enrolled on both the control panel and the keypad. The keypad must enrol modules in order to display the relevant menu options.

1. Press **OK** at the system prompt and enter your installer code.
2. Navigate with the ↑↓ keys to *Enrol Modules* and press **OK**.
3. The keypad starts enrolling the modules. The *Enrolling Modules* message is no longer displayed and a confirm beep sounds.
4. When the modules have been enrolled, the message changes to *Modules Enrolled*.
5. Verify the enrolled modules. Navigate with the ↑↓ keys to *Commands* and press **OK**.
6. Scroll to *Event Log* and press **OK**. When the control panel enrols a module, it adds an enrol event to the event log. This event contains the module number. Scroll through the event log to verify that each module has been enrolled.

6.2.4 Defaulting the panel

Each module can be defaulted. It is recommended that you default each module before modifying its settings.

1. Navigate with the ↑↓ keys to *Default Settings* in the relevant module menu and press **OK**. In this case, select *Control Panel>Default Settings* to restore the default control panel settings.
2. A confirmation message is displayed. Press **OK** to accept the default settings.
3. The keypad sounder beeps once to confirm the reset.

6.2.5 Defining the country code

The control panel is shipped with software that contains different country default settings. Changing the value or selecting a country code configures the panel with the corresponding country defaults.

1. Navigate with the ↑↓ keys to *Country Code* and press **OK**. The current country is displayed.
2. Scroll through the countries and press **OK** to select the new country. For a list of default country codes, see Table 1 on page 6.

6.3 Configuring the system

6.3.1 Configuring the keypads

You define keypad options for the current keypad. You can copy these settings to another keypad. The keypad number and keypad partition are NOT copied.

1. Navigate with the ↑↓ keys to *This Keypad>Keypad Features* and press **OK**.
2. Scroll through the configurable options for the keypad. Press **OK** to change an option.
3. Navigate with the ↑↓ keys to *Copy Keypad* and press **OK**.
4. To copy the current keypad settings to another keypad, select *To One Keypad* and select the partition number.
5. Scroll to the keypad to which you want to copy the settings and select **OK**. In this case, select *Keypad 2* and press **OK** to copy the settings for keypad 1 to keypad 2.
6. To copy the settings to all other keypads, select *To All Keypads*. Press **OK** to copy the settings.

6.3.2 Configuring zones

You can program a zone to be one of 20 different zone types.

1. Navigate with the ↑↓ keys to *Control Panel>Inputs>Zones* and press **OK**.
2. A list of all zones is displayed. Select the number of the zone that you want to configure and press **OK**.
3. Scroll to *Zone Type* and press **OK**.
4. Select the relevant zone type and press **OK**.
   - In this case, select *Zone 1>Zone Type* and press **OK**. Select *entry/exit* and press **OK**.
   - Press # ↓ to move to *Zone 2>Zone Type*. Set the zone type to burglary.
   - Press # ↓ to move to *Zone 3>Zone Type*. Set the zone type to burglary.
   - Press # ↓ to move to *Zone 4>Zone Type*. Set the zone type to fire.

6.3.3 Configuring the phone settings

You specify the phone number, the account number and the communication protocol that are used to send reports to the central station.

1. Navigate with the ↑↓ keys to *Control Panel>Communications>Central Station>Phone Numbers* and press **OK**.
2. Select the relevant phone number.
3. Scroll through the configurable options for that phone. Press **OK** to change a setting for an option. For more information, see *Setting up a communicator* on page 22.
   - In this case, select *Phone 1* and press **OK**.

- Scroll to *Phone Number* and press **OK**.
- Press #↓ to clear the current value.
- Enter 0852525 and press **OK**.
- Scroll to *Account Code* and press **OK**.
- Press #↓ to clear the current value.
- Enter 112233 and press **OK**.
- Scroll to *Protocol>SIA* and press **OK**.

6.4 Programming the wireless modules

6.4.1 Defaulting the wireless modules

You must default each module before you start programming it. For more information on the DIP switch settings on the receiver, see the *Installation Manual*.

1. Navigate with the ↑↓ keys to *RF Receivers* and press **OK**.
2. Select the relevant module bus ID and press **OK**. In this case select *RF Receiver 32* and press **OK**.
3. Select *Default Settings* and press **OK**.
4. A confirmation message is displayed. Press **OK** to accept the default settings.
5. The keypad sounder beeps once to confirm the reset.

6.4.2 Programming the wireless detectors

1. Navigate with the ↑↓ keys to *RF Receivers* and press **OK**.
2. Select the relevant module bus ID and press **OK**. In this case select *RF Receiver 32* and press **OK**.
3. Scroll to *Start Zone* and press **OK**.
4. Enter the starting zone of the receiver. In this case, enter zone 9 to set zone 9 as the starting zone for receiver 32.
5. Scroll to *Learn-in Mode* and press **OK**.
6. To learn-in more than one device, scroll to *Sequential Programming*, select *Yes* and press **OK**.
7. Scroll to *Start Learning* and press **OK**.
8. Enter the zone number to start with. In this case, enter 9 to program the detectors in zones 9 and 10 and press **OK**.
9. Tamper the different detectors in sequence.
   - In this case, tamper the door/window sensor burglary zone. A ding-dong confirms that the detector in zone 9 has been learned in.
   - Tamper the PIR detector. A ding-dong confirms that the detector in zone 10 has been learned in.
10. Press ## to leave the programming mode. The *OK to Exit* prompt is displayed. The system now functions as a normal alarm system. See the *CS5500 LCD Keypad User Manual* for information on arming and disarming the system.

7 READING THE EVENT LOG

The event log displays the details of all the events that occur from when you turn the system on. A maximum of 512 events are held in the event log. For a list of all possible events, see page 46.

To read the event log:

1. Press **OK** at the system prompt and enter your installer code.
2. Navigate with the ↑↓ keys to *Commands* and press **OK**.
3. Scroll to *Event Log* and press **OK**.
4. The last event to be added to the log is shown. The > symbol indicates that the message must be scrolled horizontally.
5. Press **F3** to scroll to the right and view the rest of the event description. Table 5 explains each part of the event description.

Alarm 3 **168 17:32 >**	Press **F3**	**Alarm 3** **25/9 028**

   - In this case, an alarm occurred in zone 168 in partition 3 at 17:32. No report was sent to the central station. The event occurred on September 25. This is the twenty-eighth event in the log.
6. Press the ↑↓ keys to scroll through the events in the log.

Event description	Explanation
L1	EventType PN PartitionName
L2	Zone/User Name UN/ZN HH:MM DD/MM LOG
EventType	The type of event that occurred.
PN	The number of the partition in which the event occurred.
PartitionName	The name of the partition in which the event occurred.
Zone/User Name	The zone name or user name.
UN/ZN	The user number, zone number or device number.
HH:MM	The hour and the minute the event occurred.
DD/MM	The day and month the event occurred.
LOG	The position of the event in the event log.

Table 5 Event description

8 REFERENCE

8.1 Appendix 1: Reporting fixed codes in Contact ID or SIA

Table 6 lists the event codes sent for different reports (if enabled) when using Contact ID or SIA formats. The numbers in brackets following the event is the number that is reported as the zone number. If there are no parentheses, the zone is **0**. An asterisk represents the first character from the event code of the zone that is bypassed or in trouble.

Report	Contact ID	SIA	Report	Contact ID	SIA
Manual test	601	RX	**Keypad tamper**	137	TA
Autotest	602	RP	**Keypad panic(audible)**	120	PA
Open (user number)	401	OP	**Keypad panic (silent)**	121	HA
Close (user number)	401	CL	**Duress**	121	HA
Cancel (user number)	406	OC	**Keypad auxiliary 1**	110	FA
Download complete	412	RS	**Keypad auxiliary 2**	100	MA
Start program	627	LB	**RF sensor lost (zone number)**	381	*T
End program	628	LX	**RF sensor restore (zone number)**	381	*R
Recent close (user number)	401	CR	**Sensor low battery (zone number)**	384	XT
Exit error (user number)	457	EE	**Sensor battery restore (zone number)**	384	XR
Event log full	605	JL	**Zone trouble (zone number)**	380	*T
Fail to communicate	354	RT	**Zone trouble restore (zone number)**	380	*R
Expander trouble (device number)	333	ET	**Zone tamper (zone number)**	137	TA
Expander restore (device number)	333	ER	**Zone tamper restore (zone number)**	137	TR
Telephone fault	351	LT	**Zone bypass (zone number)**	570	*B
Telephone restore	351	LR	**Bypass restore (zone number)**	570	*U
Siren tamper (device number)	321	YA	**Near Alarm (A/B Alarm)**	138	BM
Siren restore (device number)	321	YH	**Early open/late close**	451	OK

Report	Contact ID	SIA	Report	Contact ID	SIA
Aux power over current (device number)	312	YP	**Partial close**	456	CF
Aux power restore (device number)	312	YQ	**Zone activity fault**	391	NA
Low battery (device number)	309	YT	**Zone activity restore**	391	NS
Low battery restore (device number)	309	YR	**Fail to close**	454	CI
Mains fail (device number)	301	AT	**RF jamming**	344	XQ
Mains restore (device number)	301	AR	**RF jamming restore**	344	XH
Box tamper (device number)	137	TA	**Smoke detector clean me**	393	YX
Box tamper restore (device number)	137	TR	**Smoke detector clean me restore**	393	YZ

Table 6 Event codes

8.2 Appendix 2: Overview of module numbers

Every keypad, expansion module and wireless receiver module has a module number.

Module	Module number
CSx75	0
CS534 Two-way Listen-In	64
CS535	77
CS7001	78

Table 7 Module numbers

8.2.1 CS1700 door swipe module

Learn-in sequence	Module number	Learn-in sequence	Module number
1	113	**9**	121
2	114	**10**	122
3	115	**11**	123
4	116	**12**	124
5	117	**13**	125
6	118	**14**	126
7	119	**15**	127
8	120		

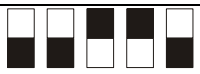
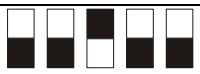
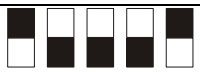
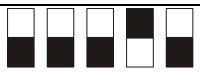
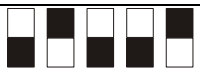
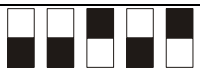
Table 8 CS1700 module numbers

8.2.2 Keypads

Keypad	Part1	Part2	Part3	Part4	Part5	Part6	Part7	Part8
1	192	193	194	195	196	197	198	199
2	200	201	202	203	204	205	206	207
3	208	209	210	211	212	213	214	215
4	216	217	218	219	220	221	222	223
5	224	225	226	227	228	229	230	231
6	232	233	234	235	236	237	238	239
7	240	241	242	243	244	245	246	247
8	248	249	250	251	252	253	254	255

Table 9 Keypad module numbers

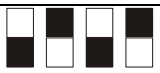
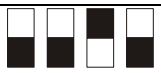
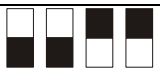
8.2.3 CS208/CS216 input expander

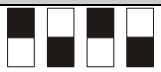
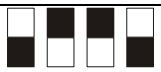
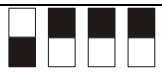
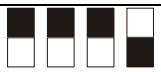
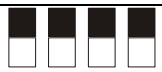
DIP switch setting	Starting zone number	Module number	DIP switch setting	Starting zone number	Module number
	9	23		89	99
	17	16		97	100
	25	17		105	101
	33	18		113	102
	41	19		121	103
	49	20		129	104
	57	21		137	105
	65	96		145	106
	73	97		153	107
	81	98		161	108

 = ON  = OFF

Table 10 CS208/CS216 module numbers

8.2.4 CS208H input expander

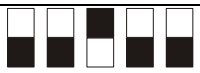
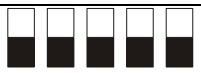
DIP switch setting	Starting zone number	Module number	DIP switch setting	Starting zone number	Module number
	9	23		73	97
	17	16		81	98
	25	17		89	99
	33	18		97	100

DIP switch setting	Starting zone number	Module number	DIP switch setting	Starting zone number	Module number
	41	19		105	101
	49	20		113	102
	57	21		121	103
	65	96			

 = ON  = OFF

Table 11 CS208H module numbers

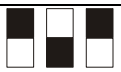
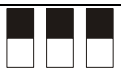
8.2.5 CS507 output module

DIP switch setting	Module number	DIP switch setting	Module number
	24		28
	25		29
	26		30
	27		31

 = ON  = OFF

Table 12 CS507 module numbers

8.2.6 CS320 power supply module

DIP switch setting	Address	DIP switch setting	Address
	84		88
	85		89
	86		90
	87		91

 = ON  = OFF

Table 13 CS320 module numbers

DIP switches 1-3 set the address of the CS320. DIP switch 4 controls the tamper feature. On enables tamper. Off disables tamper.

8.2.7 RF433 receiver module

DIP switch setting	RF receiver	Module number	DIP switch setting	RF receiver	Module number
	1	34		5	38
	2	33		6	37
	3	32 (default)		7	36
	4	39		8	35

 = ON  = OFF *DIP switch 4 is not used*

Table 14 RF433 module numbers

8.2.8 RF868 receiver module

DIP switch setting	RF receiver	Module number	DIP switch setting	RF receiver	Module number
	1	34		5	38
	2	33		6	37
	3	32 (default)		7	36
	4	39		8	35

 = C (ON)  = O (OFF) *DIP switch 4 is not used*

Table 15 RF868 module numbers

8.3 Appendix 3: Output events

The control panel, the CS507 output expander and the CS320 power module each have selectable output events that trigger the output. Table 15 to Table 17 list these events.

#	Event	#	Event	#	Event
	Misc		**Keypads**		**Alarms**
8	Any Bypass	**12**	Keypad Fire	**0** ✓	Burglary Alarm
11 ✓	Duress	**13** ✓	Keypad Medical	**1** ✓	Fire Alarm
48 ✓	Code Entry (Note 1)	**14** ✓	Keypad Panic	**2** ✓	24-hour Alarm
37	Program Mode	**15**	Keypad Tamper	**3** ✓	Trouble Alarm
49 * ✓	Keyfob Funct 1	**47**	Keypad Beeping	**4** ✓	Tamper Alarm
50 * ✓	Keyfob Funct 2	**56**	Audible Panic	**46** ✓	Any Alarm
	Tests	**57**	Silent Panic	**17**	Alarm Memory
29	Dyn Battery Test		**Tampers and faults**		**Sirens**
52	Manual Test	**25**	Fire LED	**5**	Burglary Siren
16 ✓	Automatic Test	**39**	Smoke Det Reset (Note 2)	**6**	Fire Siren
59	Walktest Mode	**40**	Over-current	**7**	Any Siren
	Arm/Disarm	**41**	Box Tamper	**60**	External Siren
21	Armed	**42**	Siren Tamper		**Communications**
22	Disarmed	**43**	Any Open Circuit	**32**	Listen-in
23	Ready to Arm	**44**	Any Short Circ't	**33**	Line Seizure
24	Not Ready to Arm	**45**	Any Open/Short	**35**	Fail to Comm'ate
53	Armed Away	**26**	Fire Trouble	**36**	Phone Line Fault
54	Armed Stay	**28** ✓	Expander Trouble	**38**	Downloading
30	Open Period	**9**	Mains Failure	**55**	Aux Comm Fail
31	Closed Period	**10**	Low Battery		
18	Entry				
19	Exit				
20	Entry or Exit				

Table 16 Control panel output events

* Events 49 and 50 require RX8w8, RX16w8, RX32w8, RX8i4, RX16i4, or RX48i4 wireless receivers to operate.

✓ If set to latched condition, these events are one second.

1 *When Event 48 is programmed, it is possible to program a user code's authorization to select which output(s) a particular code activates.*

2 *Always program Event 39, Fire alarm reset, to follow the event.*

#	Event	#	Event	#	Event
	Tampers		**Misc**		**Communications**
25	Fire LED	**8**	Any Bypass	**32**	Listen-in
39	Over-current	**11** ✓	Duress	**33**	Line seizure
40	Box Tamper	**45** ✓	Code Entry	**34**	Failed to communicate
41	Siren Tamper	**36**	Program Mode	**35**	Telephone line fault
42	Any Open Zone	**46** ✓✓	Keyfob Funct 1	**37**	Download
26	Fire Trouble	**47** ✓✓	Keyfob Funct 2		**Arm/disarm**
28 ✓	Expander Trouble	**51**	CS507 Schedule	**21**	Armed
9	Mains Failure	**52**	X-10 Alarm Mem	**22**	Not armed
10	Low Battery	**53**	X-10 Siren	**23**	Ready
	Sirens		**Tests**	**24**	Not ready
5	Burglary Siren	**29**	Dyn Battery Test	**30 ***	Open schedule
6	Fire Siren	**16** ✓	Automatic Test	**31 ***	Closed schedule
7	Any Siren		**Keypads**	**18**	Entry
	Alarms	**12** ✓	Manual Fire	**19**	Exit
0 ✓	Burglary Alarm	**13** ✓	Keypad Medical	**20**	Entry or exit
1 ✓	Fire Alarm	**14** ✓	Keypad panic	**48**	Auto arm control
2 ✓	24-hour Alarm	**15**	Keypad tamper	**49**	Auto disarm control
3 ✓	Trouble Alarm	**44**	Keypad beeping	**50**	Auto arm and disarm control
4 ✓	Tamper Alarm	**27**	Chime		
43 ✓	Any Alarm				
17	Alarm memory				

Table 17 CS507 output expander output events

* See *Schedule Times>Opening* and *Schedule Times>Closing/Autoarm*.

✓ If set to latched condition, these events are one second.

✓✓ Events 46 and 47 require RX8w8, RX16w8, RX32w8, RX8i4, RX16i4, or RX48i4 wireless receivers to operate.

Events 48, 49 and 50 arm or disarm the CSx75 at the open (disarm) or close (arm) time for the appropriate schedule.

For events 48 and 50, the keypad buzzer will sound one minute prior to auto arm if the zone value is 1. If the zone value is 0, the keypad will not sound prior to auto arm.

#	Event	#	Event	#	Event
	Alarms		**Arm/disarm**		**Misc**
17	Alarm Memory	**21**	Armed	**32**	Code Entry
	Tests	**22**	Disarmed	**7**	Program Mode
3	Dyn Battery Test	**23**	Ready to Arm	**0**	Always On
	Tampers	**18**	Entry		**Keypads**
25	Fire LED	**19**	Exit	**29**	Keypad Fire
11	Smoke Det Reset	**20**	Entry or Exit	**30**	Keypad Medical
8	Over-current	**24**	Not Ready to Arm	**31**	Keypad Panic
9	Box Tamper		**Sirens**	**28**	Keypad Beeping
10	Siren Tamper	**12**	Burglary Siren	**27**	Chime
26	Fire Trouble	**13**	Fire Siren		**Communications**
1	Mains Failure	**14**	Any Siren	**4**	Listen-in
2	Low Battery	**15**	Fire Sir Steady	**5**	Line Seizure
		16	Any Sir Temporal	**6**	Phone Line Fault

Table 18 CS320 power module output events

8.4 Appendix 4: Communicator formats

One of several communicator formats can be used to transmit to the receiver connected to phone number 1. Consult the instructions for your central station receiver to determine which format is compatible. Table 18 lists the selectable communication formats.

#	Format Description
1	Contact ID
2	SIA
3	SIA with area modifiers
4	Voice dialler with handshake and DTMF kiss-off
5	Reserved
6	4+2 with 1400/1900 double round parity
7	4+2 with 1400/1900 Checksum parity
8	4+2 with 2300/1800 double round parity
9	4+2 with 2300/1800 Checksum parity
10	Fast format 8 channel
11	Fast format 16 channel
12	Siren tone
13	Reserved
14	Reserved
15	Format over-rides (build your own format)
16	Reserved
17	200 Baud FSK (France Only)
18	200 Baud FSK Reversed (France Only)
19	XSIA
20	XSIA with area modifier
21- 255	Reserved

Table 19 Communicator formats

1 *If you require a format other than those listed, set the override options in Communications>Format Override to build the appropriate format. In addition, select Format Override in Communications>Central Station>Phone Numbers>Phone Number n>Protocol.*

2 *The voice dialer protocol does not generate an FTC (failure to communicate).*

8.5 Appendix 5: Service messages

The keypad displays service messages as a result of manual and automatic tests. Table 19 lists each message and outlines the action you should take to resolve the problem.

Message	Definition	Action
Control Box Tamper	There has been interference with the control panel casing.	Ensure that the casing is mounted correctly on a flat surface and is not damaged. If there is no damage, close the casing securely.
Control Fail to Comm.	The control panel tried to send a message to the central station but failed.	Ensure that the phone line is connected properly. Use a test phone to check that the phone service is available. Ensure that the central station phone number, account and protocol options are correct.
Control Loss of Time	The control panel has had a total loss of power and the clock must be reset.	Reset the system clock and date.
Control Low Battery	The standby battery for the control panel is low.	The battery may need replacing. This may be a temporary condition caused by a long power failure.
Control Over-Current	The control panel has detected an excessive amount of current being drawn from one of the outputs and has disabled the output as a means of protection.	Check the system for wiring faults. An overcurrent message can be reset only by triggering the siren correctly, for example, by generating a tamper on a zone that activates the sirens. This is a security feature to ensure that the overcurrent message has disappeared and the sirens can work properly again.
Control Phone Trouble	The phone line connected to the control panel is not working properly.	Ensure that the phone line is connected properly. Use a test phone to check proper service.
Control Power Trouble	The mains power supply to the control panel is missing.	Reconnect the power supply and ensure it is working properly.
Control Siren Trouble	The connection to the control panel's siren is broken.	Repair the open circuit.
Expansion Aux. Comm. Fail	A reporting module tried to send a message to the central station but failed.	Ensure that the phone line is connected properly. Use a test phone to check that the phone service is available. Ensure that the central station phone number, account and protocol options are correct. Check that the module is connected and working.
Expansion Box Tamper	There has been interference with the casing of an expansion module.	Ensure that the casing is not damaged and is mounted correctly on a flat surface. If there is no damage, close the casing securely.
Expansion Low Battery	The standby battery in an expansion module is low.	The battery may need replacing. This may be a temporary condition caused by a long power failure.

Message	Definition		Action
Expansion Over-Current	The expansion module has detected an excessive amount of current being drawn from one of its outputs and has disabled the output as a means of protection.		Check the module for wiring faults.
Expansion Power Trouble	The mains power supply is not connected to an expansion module power supply.		Reconnect the mains power supply and ensure it is working properly.
Expansion Siren Trouble	The connection to an expansion module's siren is broken.		Repair the open circuit.
Expansion Trouble	An expansion module or keypad is not reporting to the control panel.		Ensure that the module is connected properly to the control panel.
Zone Problem, Press OK	There is a problem with a zone or zones. Press **OK** to identify the zone(s) and the problem condition. One of the following messages is displayed when you press **OK**.		
	CleanMe	A specific smoke detector (for example, DP721) is dirty. The panel detects a degree of pollution in the chamber of the fire/smoke detectors.	Clean the detection chamber of the smoke detector.
	Lost	The system has not received RF sensor transmissions for a long period of time. Depending on how the system is programmed, this condition activates a service report. In addition, it may activate a tamper alarm if armed.	Ensure that the wireless zone module is receiving power and has not been tampered with. Repair any faults.
	Low Battery	An RF sensor battery is low.	Replace the battery.
	Short Loss	The system has not received RF sensor transmissions for a short period of time. This condition prevents arming.	Ensure that the wireless zone module is receiving power and has not been tampered with. Repair any faults.
	Tamper	There is a problem with the wiring.	Check the zone and zone sensors for damage and repair any faults.
	Trouble	There is a problem with the wiring.	Check the zone and zone sensors for damage and repair any faults.

Table 20 Service messages

8.6 Appendix 6: Tasks summary

Task	Installer	Master user	User	No code	Condition*
Adjusting the LCD contrast		✓			
Answer an up/download call		✓	✓	✓	
Arm and disarm the system	✓*	✓	✓*		If authority allows.
Bypass a zone		✓*	✓*	✓*	If authority allows.
Configure home automation devices	✓	✓			
Control home automation devices	✓	✓	✓	✓	
Engineer tamper reset	✓	✓*			If enabled for master users.
Initiate an up/download call		✓	✓	✓*	If enabled for use without a code.
Perform a configured test	✓	✓	✓		
Perform a service check	✓	✓	✓	✓	
Perform a walktest		✓			
Program voice phone numbers	✓	✓			
Reset fire detector	✓	✓	✓	✓	
Set system date and time		✓			
Set user authority level		✓			
Set user codes	✓	✓	✓*		Only own code All codes for master user.
Switch to multi-area mode		✓	✓		
View the alarm memory	✓	✓	✓	✓	
View the event log	✓	✓			

Table 21 System tasks

8.7 Appendix 7: Event log events

Event message	Explanation
Alarm	An alarm has been tripped.
Alarm Restore	See *Alarm* event message.
Autotest	An autotest message was sent to the central station.
B-Alarm	A full alarm on a B zone type that is considered a burglary alarm.
Box Tamper	A box tamper.
Box Tamper Restore	See *Box Tamper* event message.
Burglary	A burglary zone has been tripped.
Burglary Restore	See *Burglary* event message.
Bypass	A zone is bypassed.
Bypass Restore	See *Bypass* event message.
Cancel	The report to the central station has been cancelled. This occurs when a user enters a code after an alarm.
CleanMe	A smoke detector is dirty.
CleanMe Restore	See *CleanMe* event message.
Clock Set	A user set the date and time.
Close (arm)	Closing (arm) by a specific user.
Code Entry	The lock of the access reader has been triggered. The lock can be triggered by an accepted proximity card or by an Egress switch. An Egress switch is a button that can be pressed by a user to open the lock of the door. It can also be called Request-to-Exit (RTE). When the Code Entry option is activated, the reader sends a log message to the control panel, indicating that the lock has been triggered.
Data Lost	The panel has been unable to send alarm messages to the central station. The panel tries to send these messages a number of times as specified in the FTC (Dial attempts before Fail to Communicate). Any pending reportable events are lost.
Disarm from Alarm	A user disarmed the panel during an alarm.
Duress	A duress code entered by a user. An alarm message is sent to the central station.
Early Open	A user disarmed the system before the open time specified in the panel schedules.
End Download	The end of an up/download.
End Prog	End programming. The installer left programming mode.
End Walktest	See *Walktest* event message.

Event message	Explanation
Enrolled	Modules are enrolled on the bus. The module numbers are recorded.
Exit Error	An exit door remained open after the exit delay expired.
Expander Trouble	A problem with an expander module.
Expander Trouble Restore	See *Expander Trouble* event message.
Expansion Event	A bus device generated an event to report conditions not described by other events.
Fail to Communicate	The control panel or module tried to send a message to a central station but failed.
Fire	A fire alarm has been tripped.
Fire Restore	See *Fire* event message.
First Open	The time at which the first area was opened.
Keypad Tamper	A keypad tamper.
Last Close	The time at which the last area was closed.
Late Close	A user disarmed the system after the closing time specified in the panel schedules.
Listen-in	The start of a listen-in session.
Log Full	The event log is full and the events must be reported to the up/download software. An event can also be sent to the central station.
Low Batt Restore	See *Low Battery* event message.
Low Battery	The standby battery for the control panel/expansion module is low.
Mains Fail Restore	See *Mains Failure* event message.
Mains Failure	The 220 V has disappeared.
Manual Fire	A manual fire alarm generated by pressing the keys **1** and **3** on the keypad.
Manual Test	A manual test call to the central station.
Medical (Aux2)	A medical alarm generated by pressing the keys **4** and **6** on the keypad.
Open (disarm)	Opening (disarm) by a specific user.
Output	An output has been activated or restored. The output number is logged. This is linked to the output module number.
Output Restore	See *Output* event message.
Output Trip	An output has been activated.
Over-current	An excessive amount of current has been drawn from one of the outputs.
Over-current Restore	See *Over-current* event message.

Event message	Explanation
PA Panic Alarm	A personal attack alarm has been tripped.
Panic Keypad	A panic alarm generated by pressing the keys **7** and **9** on the keypad.
Partarm	See *Partial Arm* event message.
Partial Arm	Part arm of the system by a specific user.
Recent Closing	An alarm occurred within five minutes of the panel being armed.
Re-exit	A special feature of false alarm preventing.
Reset	A user has manually reset a smoke detector.
RF Jam Restore	See *RF Jammed* event message.
RF Jammed	RF jamming.
RF Low Battery	An RF transmitter has reported a low battery.
RF Low Battery Restore	See *RF Low Battery* event message.
Service End	End of the 'Installer on-site' (service mode).
Service Start	Start of the 'Installer on-site' (service mode).
Silent Panic	A silent panic alarm.
Siren Tamper	A siren tamper.
Siren Tamper Restore	See *Siren Tamper* event message.
Start Download	The start of an up/download.
Start Prog	Start programming. The installer entered programming mode.
Tamper	A tamper.
Tamper Restore	See *Tamper* event message.
Telephone Fault	Telephone line faults.
Telephone Fault Restore	See *Telephone Fault* event message.
Trouble	A trouble condition.
Trouble Restore	See *Trouble* event message.
Walktest	The start/end of a walktest.
Zone Inactive Restore	See *Zone Inactivity* event message.
Zone Inactivity	A zone inactivity monitoring event.

Event message	Explanation
Zone Lost	An RF transmitter has lost the supervision with the wireless receiver. This happens when the transmitter has not reported its supervision message to the RF receiver within the long supervision window. See appendix 5.
Zone Lost Restore	See *Zone Lost* event message.

Table 22 Event list

8.8 Appendix 8: Word library words

Alarm	Delay	Exterior	House	Microwave	Room	Smoke	Up
Area	Den	Fire	Infrared	Motion	Rumpus	Sound	Utility
Audio	Detector	Front	Instant	North	Safe	South	Vault
Back	Dining	Game	Interior	Nursery	Sensor	Stairs	Warehouse
Bathroom	Door	Garage	Junk	Office	Shock	Storage	West
Beam	Down	Glassbreak	Kitchen	Panic	Shop	Study	Window
Bedroom	Duress	Guest	Library	Pantry	Side	Tamper	Wing
Button	East	Hall	Light	Phone	Skylight	Television	Wireless
Ceiling	Emergency	Heat	Living	PIR	Sliding	Trouble	Yard
Closet	Exit	Holdup	Master	Porch	Small	TV	Zone

Table 23 Word library

9 GLOSSARY

Term	Definition
1st Keypad Function	A menu entry that groups keypad options that enable home automation commands. The commands activate the primary function of a keypad. These options are With PIN and Without PIN.
200Bd FSK Channel	A menu option that sets the channel used by the selected zone, zone type or event for 200Bd FSK protocol. The zones between 1 and 99 can be directed to separate channels. The zones between 100 and 168 follow the 200Bd FSK Channel as specified on the zone type.
24-hour	A zone where reaction is not dependent on the arm/disarm state of the system. It is permanently active 24 hours a day unless bypassed by forced arming. An example of a 24-hour zone is a fire, panic or glassbreak zone.
24-hour Clock	A menu option that switches between 24-hour and 12-hour notation.
2nd Keypad Function	A menu option that enables the home automation command that activates the secondary function of a keypad.
2-wire Smoke Detectors	A menu option that enables the 2-wire smoke detector in the control panel. A 2-wire smoke detector is connected to the control panel with two wires instead of four. A maximum number of three 2-wire smoke detectors can be connected.
4/6 Digit Codes	A menu option that specifies whether a four or six digit code is used.
4+2 Code	A menu option that specifies the event code sent to the central station indicating a 4+2 alarm. The code is six digits long – four digits for the account code and two digits for the zone ID. The zone ID refers to the zone that is in alarm.
4+2 Restore Code	A menu option that specifies the event code sent to the central station indicating a 4+2 restore. The code is six digits long – four digits for the account code and two digits for the zone ID. The zone ID refers to the zone that is in alarm.
45 Minute Retry	A menu option that causes the panel to try to arm after every 45 minutes of inactivity until the next Opening time, or until the system is armed. The 45-minute timer is extended when there is activity in the building. This causes the Ready LED to turn off and on. If closing reports are sent, the user code is 97. See also *Partitions Autoarming*
5 sec silence	A menu option that silences the pulsing keypad sounder for five seconds when a key is pressed.
A	
Abort	To cancel an action, for example, to cancel an alarm report.
Accept beep	A control panel sound confirming the acceptance of a code, command or value update.
Access Code	A menu option that specifies the eight-digit access code sent by the up/download software to the control panel. The panel permits downloading to occur when it receives this code. See also *User Code*
Access reader	See *CS1700 Proximity Readers*
Account Code	A menu option that specifies the unique code sent from the modem in the control panel to the central station. The central station uses this code to identify and charge the user. Separate account codes can be set up for each phone number and each partition. This is also known as the account number.
Activate Relay	A menu option that activates the CS1700 proximity reader's built in relay driver instead of an external relay driver.
Active	A menu option that specifies the days of the week that a particular schedule is active. If this option is set to Holidays, the schedule is active on the dates specified in Date of holidays.
Address Message	A menu command that records the address message. This message is sent by the CS535 voice module and states where an event has occurred. (Recording) A menu command that plays back the address message. (Playback)

Term	Definition
Advanced Menu	A menu option that activates certain options in the Installer menu structure. The following menus are enabled only if the Advanced Installer menu is enabled. (Installer) (i) Zone Types (ii) Communicator>Format Override (iii) This keypad>Zone Type Names (iv) Device/Location Programming (v) CS7001 GSM Module>Phone Line Cut (vi) CS7001 GSM Module
Alarm Memory	A list of alarms and where they occurred. Only the alarms that have occurred during the last arm/disarm cycle are shown in the alarm memory log.
Alarm Restores	A menu option that sends a report to the selected phone number when the alarm has been restored after an alarm. (Phone Numbers) A menu option that sends a report to the central station when an alarm has been restored, depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Alarm status	The current state of the system. This can be armed, part armed, full armed or disarmed.
Alarms	A menu option that sends a report to the central station when an alarm occurs. (Arm/Disarm/Alarm) A menu entry that groups together the alarm events that can be selected to trigger an output. (Event) A menu option that sends a report to the central station when an alarm occurs, depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
All Abort	A menu option that aborts all on-board communications. Any alarms in the dialler buffer waiting to be sent to the central station are cancelled.
All in Sequence	A menu command that records all CS535 voice module messages in sequence. The sequence is: Leader message; 15 messages that can be linked to different types of event (such as, alarms or opening/closing); Kiss off message; Address message. (Recording) A menu command that plays back all CS535 voice module messages in sequence. (Playback)
Alpha-numeric keys	Keypad keys that are used to enter numbers, text and symbols to the control panel.
Answer Machine Defeat	A call-in option used to defeat an answering machine. There are two types of Answer Machine Defeat (AMD): 1. CS534 listen-in module: A telephone call is made to the premises and is answered by an answering machine or other device. If tone-sniff AMD is enabled, only one call is required to defeat the answering machine. The computer calls the panel as normal. When the answering machine answers, the panel hears the tones from the modem and seizes the phone line for a download. 2. Control panel: If two-call AMD is enabled, two telephone calls are required to defeat the answering machine. On the first call, the phone rings once or twice. The control panel detects the rings and starts a 45-second timer. During this timer, the control panel answers the next call on the first ring. This is not recommended for commercial applications.
Antenna Tamper	A menu option that sends a report if the antenna on the selected RF receiver is removed or damaged (cut).
Anti-Lock-Up tone	A tone that sounds at the central station every few seconds during a two-way session. During this tone the control panel disables the microphones so that it can detect a key press from the central station. This is useful in a noisy environment to prevent a loss of central station control.
Anti-Lock-Up Tone Time	A menu option that sets the interval at which the anti-lock-up tone is sounded at the central station.

Term	Definition
ARC (alarm report centre)	The place to which the control panel reports alarms and other events (such as, system faults, opening/closing and diagnostic events). The ARC is also known as a control station or a central station.
ARC Dial Attempts	A menu option that specifies the number of dial attempts (1 to 15 attempts) that the communicator makes when reporting to the central station.
Area	See *Partition*
Arm Away	A menu option that enables the arm away function for the selected proximity reader action. The actions are Single Badge, Double Badge and Badge Hold.
Arm Away mode	An arm mode in which the entire system is turned on and no one is on the premises.
Arm Only	A menu option that specifies a code that arms the system and does not perform any other function. For example, the code issued to service staff.
Arm Only After Closing	A menu option that specifies a code that arms the system during the close window only (when the system is scheduled to be armed). If entered during the open window when the system is turned off, the code does not arm the system.
Arm Schedules	A menu entry that groups scheduling options. These options configure the schedules used by the control panel for auto arming.
Arm Stay	A menu option that enables the arm stay function for the selected proximity reader action. The actions are Single Badge, Double Badge and Badge Hold.
Arm Stay mode	An arm mode that enables perimeter protection. Interior zones are bypassed and perimeter zones are armed. Bypassed zones are automatically unbypassed when the system is disarmed from the Arm Stay mode.
Arm/Disarm	A menu entry that groups the events that can be used to trigger outputs. The entry is available to make selection of output events more convenient. (Event) A menu option that specifies a four-digit or six-digit code that arms or disarms the system depending on its current status. (Codes >Authority)
Arm/Disarm/Alarm	A menu entry that groups the events that are sent to the central station. The entry is available to make selection of events more convenient.
Armed State	A menu option that lights LED 2 (Red) when the system is armed.
Armed Zone Info	An menu option that enables the mode that displays zone status on the keypad when the system is armed. When this mode is disabled, zone status information is not displayed when armed.
Arming	A menu option that causes the internal sounder to blast when the system arms. (Short Blast On) A menu entry that groups the arming characteristics of the selected partition. (Feature Select)
Arming with Zone Lost	A menu option that allows the system to be armed when RF zones have not reported to the RF receiver for a period longer than the normal supervision window. When this option is disabled, the system cannot be armed when an RF zone is lost. See also *Supervision*
Arming/Disarming	A menu option that allows the end-user to arm/disarm the system from a remote location using a touch phone (for example, GSM). This option enables level 8. See also *Volumes*
At Disarm	A menu option that sends a restore report to the central station when a code is entered to disarm the system. See also *Send Restores*
Attributes	A menu entry that groups the programmable attributes of the selected output. (Outputs) A menu entry that groups the additional characteristics of the selected zone type. (Zone) See also *Input Type*
Audible PA (7+9)	A system option that causes the keypad to beep and sounds the internal and external sirens when a PA alarm is activated.
Authority	A menu entry that groups access options. These options specify the level of access an individual has when using the control panel.

Term	Definition
Auto Bypass	A menu option that automatically bypasses interior follower zones if no exit is detected during the exit delay time. The exit is detected by the opening and closing of an entry/exit zone.
Autotest	A menu entry that groups options that configure the automatic test run by the system. (Communications) A menu option that enables reporting of autotest events to the central station at a specified interval. (System Reports) A menu entry that groups the report codes sent to the central station when an autotest is performed. (Report Codes)
Autotest Control	A menu option that specifies whether the autotest occurs after a specified number of days or hours. The autotest can be suppressed if another report has been sent.
Autotest Delay	A menu option that specifies the number of hours that must elapse before the first test call is sent.
Autotest Disarmed No Call	A system option that allows test calls to be made only when the system is armed.
Aux Overcurrent	A menu option that enables overcurrent reporting. A report is sent to the selected central station when too much current is drawn from a device powered by the system. (System Reports) A menu entry that groups the report codes sent to the central station when an overcurrent event occurs. (Report Codes) See also *Aux Overcurrent and Restores*
Aux Overcurrent and Restores	A menu option that sends a report to the selected phone number when too much current is detected. A restore report is also sent when the overcurrent condition is fixed. (Phone Numbers) A menu option that sends aux overcurrent and restore reports to the central station, depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Away mode	See *Arm Away mode*
B	
Badge Double/Hold Time	A menu option that specifies the length of time during which the proximity card must be held near the proximity reader to activate its functions. A proximity reader can be programmed to activate different functions depending on whether the card is held near it once, twice within this time or continuously for this time.
Badge Functions	A menu entry that groups the functions activated by Single Badge, Double Badge and Badge Hold actions.
Badge Hold	A menu entry that groups the functions activated by holding a proximity card near the proximity reader for longer than the time set in Badge Double/Hold Time. (Badge Functions) A menu option that sets the X-10 function sent when a proximity card is held near the proximity reader for longer than the time set in Badge Double/Hold Time (X-10 Functions)
B-Alarm Timer	A menu option that sets the time during which a second B-Alarm Trip event is treated as a full burglary alarm.
B-Alarm Trip	A zone type that generates a B-alarm trip event. The event is reported to the central station using the codes set in the B-Alarm Trip report codes menu. Typically, all alarms are A-alarms. Both A-alarms and B-alarms activate sirens and keypad buzzers. However, the central station reacts differently to A and B-alarm trip events. A police patrol is sent when an A-alarm trip event is reported (full alarm), whereas a guard from the security company is sent when a B-alarm trip event is reported (near alarm). If two B-alarm trip events occur within the pre-set B-alarm time, the second B-alarm trip event is treated as an A-alarm trip event. (Zone Types) A menu option that sounds the keypad buzzer when a B-Alarm Trip event occurs. (Sound On) A menu entry that groups the report codes sent to the central station when a B-Alarm Trip event occurs. (Report Codes)

Term	Definition
Batt Dynamic Test Duration	A menu option that sets the length of time that the control panel performs the Dynamic Battery test. This can be between 0 to 255 minutes where 0 is no test.
Batt Presence Test	A menu option that enables a test to determine whether the battery is connected to the system. This test is usually performed automatically when the system is first powered up and periodically thereafter.
Battery Test	See *Batt Presence Test*
Battery Test Time	See *Batt Dynamic Test Duration*
Baud rate	A data communications speed used on a serial port. For example, 2400 Baud, 4800 Baud, 9600 Baud, 19200 Baud, 38400 Baud.
Beep on Panics	A menu option that sounds a keypad beep when the personal attack alarm combination keys are held down long enough.
Beep on RF Lost	A menu option that activates the keypad sounder, causing it to beep, when an RF zone is lost. This beep indicates that the receiver did not receive the supervision signal from the wireless transmitter.
Bit Error Rate	A menu option that specifies the Bit Error Rate reading in GSM module modem applications. The BER is set at nine if unknown. This information is used for verification purposes only.
Blank Keypads	A menu option that allows an authorised user to turn off all LEDs (except the Power LED) on the keypad and to lock the keypad so that it does not accept key presses.
Blind dialling	A mode in which the control panel does not wait for a dial tone before dialling the phone number. Blind dialling is enabled by programming a four second delay (#3) as the first digit in Phone Prefix. It is used when the phone system has a poor quality dial tone or does not generate a dial tone. See also *Phone Prefix*
Box Tamper	A menu option that sends a report if the box tamper is detected. (System Reports) A menu option that enables the box tamper switch on the control panel. The CSx75 has an input for a normally closed tamper switch. When opened, a box tamper is reported as an event. (System Settings) A menu option that enables the box tamper switch on the selected RF receiver. (RF Receivers) See also *Case Tamper*
Box Trouble	A menu entry that groups the report codes sent to the central station when a Box Trouble condition is activated. (Report Codes) See also *Case Tamper*
Broadcast X10 Function	A menu option that causes the CS1700 proximity reader to transmit an X-10 function to the home automation system.
Burglary alarm	An alarm that occurs when the system is armed and a burglary zone is activated. An event can be programmed to report to the central station.
Burglary zone	A zone type that generates an alarm if it is activated when armed. A forced arm can exclude a burglary zone.
Bus	A method of connecting devices together. Every device is connected to the same set of wires and has a unique address.
Bus Comm Error	A menu option that sets the SIA character, the partition and user number that are sent by the GSM module when Bus communication problems occur.
Buzzer	A local low volume vibrating audio output, typically located in the keypad.
Buzzer Follows Keypad	A menu option that makes the reader buzzer settings the same as the keypad buzzer settings. This is a CS1700 proximity reader option.
Bypass	To temporarily remove a zone from operation when arming the system.
Bypass on Force Arm	A menu option that enables bypass reporting when a zone is force armed.
Bypass Toggle	A menu option that allows an interior zone be bypassed or included while the system is armed.
Bypass Zones	A menu option that allows the selected code to bypass zones.
Bypassable	A zone characteristic that allows the zone to be bypassed.

Term	Definition
Bypassed zones	Zones that are excluded when the rest of the system is armed. They can be entered without triggering an alarm.
C	
Call Back Code	A menu option that specifies the code that starts a listen-in session when the panel is in call back mode. This code can be a maximum of six digits long.
Call Back mode	A programmable mode that allows the central station to call the premises and begin a two-way session.
Call Back Number	A menu option that specifies the telephone number that the control panel dials if the Call Back Req'd option is enabled.
Call Back Req'd	A menu option that controls access of the up/download software to the control panel. When the software calls the control panel, the panel answers the call and then hangs up. After approximately 36 seconds, the panel calls the software back.
Call Back Window Timer	A menu option that sets the amount of time, in one-minute increments, that the CS534 listen-in module will wait to call back after an alarm has been reported.
Call PC on Autotest	A menu option that allows the panel to use call back when the central station performs an autotest. After the test report is delivered to the central station, the panel calls the up/download software using the call back phone number. Actions, such as upload event log and download phone numbers, can be selected in the up/download software.
Cancel	A menu option that enables cancel reporting. A cancel report is sent to the central station when the system is disarmed (within the time specified by the dialler delay) after an alarm. (Reporting) A menu entry that groups the report codes sent to the central station when a Cancel event occurs. (Report Codes)
Cannot log into GSM Network	A menu option that indicates the status of the GSM module when it cannot log into the GSM network.
Card Serial Numbers	A menu option that specifies the serial numbers of the cards that are recognized by the card reader. It is not recommended to change these serial numbers.
Case Tamper	A menu option that sends a tamper report to the central station and activates a siren and/or the keypad when interference with keypad housing occurs. A tamper occurs when the casing of a piece of hardware (for example, the control panel, sound box or keypad) is interfered with. The CSx75 has an input for a normally closed tamper switch. When opened, a box/case tamper is reported as an event.
Central station	A menu entry that groups options relating to the central station. This is a remote location that is designed to monitor signals and reports from alarm systems and summon assistance if necessary. This is also known as a control station or ARC.
Chime	A menu option that activates an audible output for two seconds when a burglar zone opens. A chime is generally a single stroke signal and is often used as an indication on a shop door. This can be set as a zone type.
Chime Time	A menu option that sets the length of time that the chime operates. This time can be set in 50 ms (1/20th second) increments from 0-12 seconds. 0 = follows zone.
Clock	A menu option that displays the clock on the keypad. This is the internal real time clock used for the schedules and autotest intervals. (This Keypad) A menu entry that groups options that configure the clock. (System Settings)
Closing	A menu option that sets the time at which the selected schedule enters the closed state. (Schedules) A menu entry that groups the report codes sent to the central station when the system arms. (Report Codes)
Closing Kissoff	A menu option that causes the internal sounder to blast when the central station receives a closing report.
Closing/Autoarm	A menu option that sets the time after which the partitions selected in Partitions Autoarming start to arm automatically. Users with arm only after closing rights can arm the partitions selected in Partitions Opening only after this time.
Code	A menu option that sets the user code. This is a series of four or six numbers that allows access to the system.

Term	Definition
Code Required	A menu option that specifies whether a user code is required for bypassing zones.
Code Stops Timer	A menu option that allows the timer used on programmable outputs to be reset by entering a valid user code.
Codes	A menu entry that groups user code options.
Combination keys	Programmable keys that activate the fire alarm, medical alert and personal attack alarm. Typically, these are 1+3 (fire alarm), 4+6 (medical alert) and 7+9 (personal attack alarm). Check the keypad sticker for the correct combination.
Commands	A menu entry that groups options relating to issuing commands by the installer.
Commands/Requests	A menu option that performs commands sent to the serial port module by the home automation system. These include arming and disarming, programming and bypassing zones.
Comms Settings	A menu option that prevents the installer changing the communication settings (telephone numbers, account codes and so on). This option must be set using the up/download software.
Communications	A menu entry that groups options for communication between the control panel and the up/download software or central stations.
Communicator	A modem that can communicate alarms or other information to another location over telephone lines.
Configuration	The arrangement of the hardware and software of the system set up for a particular installation.
Connection Fault	A menu entry that groups connection fault options. A connection fault occurs when the GSM module cannot log into the GSM network.
Connection Type	A menu option on the serial port that specifies what the serial port is used for. It can be set to Serial printer or Home Automation Protocol.
Contact ID Code	A menu option that specifies the contact ID code to be used when reporting the selected zone type. The Contact ID codes are listed in the *CS5500 Programming Manual*.
Control Panel	A menu entry that groups all options relating to the central processing unit of the alarm system. The control panel monitors the detection devices and activates any number of signalling devices.
Control unit	See *Control Panel*
Controller	The main system electronics housed in a metal enclosure.
Copy Keypad	A menu option that copies the current keypad settings to another or multiple keypads in the system.
Copy Language	A menu option that copies information from the current keypad descriptors to another or multiple keypads in the system. Included are the zone descriptors, custom message, shutdown message, zone names and partition names.
Copy Zone	A menu option that copies the settings for an individual zone to a contiguous set of other zones. All the zone settings (except the user defined zone name and RF settings) are copied to the target zones.
Copy Zone Type	A menu option that copies the settings for a zone type to a new zone type.
Country Code	A menu option that specifies the country code. This code sets the specific country defaults on the control panel.
CS1700 Proximity Readers	A proximity card reader/door control module that can be programmed to control access in any or all areas.
CS208/CS216 Input Expanders	An expander board that increases the number of wired inputs that can be used for a particular zone. It has an optional tamper switch and a power isolator for use in a remote location. It cannot be used on the CS175 or CS275 control panel. The CS208 has 8 zones and the CS216 has 16 zones.
CS320 Power Modules	A module that provides an additional power supply if the system is using more peripherals than can be serviced by the panel power supply.
CS507 Output Expanders	An expander board that increases the number of outputs that can be used with the control panel.

Term	Definition
CS534 Listen-in Module	A two-way audio voice communicator. If the control panel communicates an alarm, the audio module allows the central station to establish a two-way session or monitor the premises for listen-in purposes.
CS535 Voice Module	A module used to send pre-recorded voice messages when activated.
CS586 Direct Connect Module	A menu optional device used to interface the up/download software directly to the control panel when the on board serial port is not available.
CS7001 GSM Module	A module that operates as a back up reporting module to the control panel.
Current Operator	A menu option that displays the current GSM network operator that the GSM module is logged into.
Custom Message	A keypad setting that shows or hides the custom message on the LCD keypad. (Display) A menu option that edits the custom message. (Text)
Custom Message Lock	A keypad setting that prevents the customized keypad message being edited.
D	
Date of holidays	A menu option that sets the date on which the specific output events are active. Up to eight days per month can be specified. This is a CS507 output expander option.
DC	Direct Current. An electric current that flows in one direction only from negative to positive.
Default codes	Codes that are supplied with the system. These are country specific. See also *Country Code*
Default Settings	A menu option that defaults the selected component (for example, the control panel or output module) to factory defaults. This is a necessary procedure on all components before starting to program the system.
Delay 1	A zone type whose events can be delayed for a specified interval before a zone creates an alarm. This type of zone is usually used to allow exit and entry to a building. The time intervals for a Delay 1 zone are defined in Entry 1 and Exit 1.
Delay 2	A zone type whose events can be delayed for a specified interval before a zone creates an alarm. This type of zone is usually used to allow exit and entry to a building. The time intervals for a Delay 2 zone are defined in Entry 2 and Exit 2.
Device/Location Programming	A menu command that switches into backward compatible programming mode. This mode uses devices, locations and segments. In this mode: The OK/Menu key is used instead of the * key. The F2 key is used instead of the Exit key. See the *Installer Manual* for more information. Please note that the recommended programming method is to use the menu structure rather than devices and locations.
Diagnostics	A menu entry that groups test options. These options specify the tests that can be performed on the control panel.
Dial Attempts	A menu option that specifies the number of dial attempts that the GSM module makes when reporting an event to the central station. (CS7001 GSM Module) A menu entry that groups options related to the number of dial attempts that the dialler makes when communicating with the central station. (Communications)
Dialler Abort Delay	A menu option that creates a delay, programmed in seconds, in reporting an alarm to the central station.
Dialler Delay	A menu option that sets the length of time (in seconds) the dialler waits before reporting an abortable alarm. If the system is disarmed during this time, the abortable alarm is not sent to the central station. The delay can be from 0-255 seconds. A value of 0 means that there is no abort delay.
Dialler Output Level	A menu option that sets the volume of the output tone. The Dialler Output Level can only be used in combination with the stand-alone ISDN dialler TDA2001.
Ding Dong Chime	A menu option that sets the sound a chime makes. It is either a ding dong or a beep. (This Keypad) A menu option that enables a ding dong chime. (CS1700 Proximity Readers)

Term	Definition
Direct Connect Module	See *CS586 Direct Connect Module*
Disable on Listen-in	A menu option that disables the selected output during listen-in time. This option is normally used to silence sirens during listen-in. After the listen-in session, the sirens are activated again.
Disarm	A menu option that enables the disarm function for the selected proximity reader action. The actions are Single Badge, Double Badge and Badge Hold.
Disarmed	The security system is off in a particular area.
Display	A menu entry that groups LCD display options for the keypad.
Do Self Test	A menu command that performs the keypad LED and LCD test and the manual tests enabled in Diagnostics. The siren is activated during the tests if the Manual Siren menu option is enabled. Likewise, a manual test call is made to the central station if the Manual Dialler Test menu option is enabled.
Door Prop Time	A menu option that sets the time that the door must be open before the buzzer on the proximity reader is activated. This is to warn the user to close the door.
Door Prop Zone	A zone type that is used with the proximity reader. Alarms such as 'Open too long' are generated on this zone type.
Door/Window	A menu option that configures door/window settings on an RF 433 Mhz receiver. It includes the use of internal reed and additional external contact of the door/windows transmitters.
Door/window transmitters	Wireless sensors used on doors and windows. They are programmed as RF zones.
Double Badge	A menu entry that groups the functions activated by holding a proximity card against the proximity reader twice within the time set in Badge Double/Hold Time. (Badge Functions) A menu option that sets the X-10 function sent when a proximity card is held against the proximity reader twice within the time set in Badge Double/Hold Time. (X-10 Functions)
Double Knock	A zone characteristic that causes an event only if the zone is activated twice within a specified time. This is to prevent false alarms on PIRs.
Double Knock Open Time	A menu option that sets the double knock open time. If a double knock zone remains open longer than this time, an alarm is activated.
Double Knock Time	A menu option that sets the double knock time. If a double knock zone is opened twice within this time, an alarm is activated.
Download	The process of sending programming information or data on the panel to a computer running up/download software or to the central station.
Download Settings	A menu option that prevents the installer changing the following download settings: • Answer Machine Defeat • Call Back Req'd • Lockout>System Shutdown • Lockout>Local Programming • Lockout>Comms Settings • Lockout>Download Settings • Call PC on Autotest This option must be set through the up/download software. See also *Lockout*
DSR Timeout	A menu option that sets the dialler successful reporting timeout. If the panel dialler does not report successfully within this time period, the GSM module reports the events as a backup.
Dual in-line package (DIP)	A small rectangular housing containing one or more miniature switches used for setting device IDs.
Duress	A menu entry that groups the report codes sent for a duress event. A duress situation is one in which a user is being threatened and forced to disarm the system. A duress code is entered to disarm the system as normal and a duress alarm is activated.

Term	Definition
Duress Code	A code that disarms the system and activates a duress alarm. This is a silent alarm that sends a special report to the central station.
Dynamic Batt Test at Arming	A menu option that enables a dynamic battery test at arming. This is an automatic test carried out by the control panel at the moment of arming to ensure the battery is working properly. The panel lowers the battery charging voltage in order to draw current from the battery. If the system is not armed between 00:01 and 23:59, the test is performed at 00:00.
E	
Emergency keys	See *Combination keys*
End Download	A menu option that sends a report to the central station when downloading from the up/download software to the control panel is complete. (System Reports) A menu entry that groups the report codes sent to the central station when downloading is complete. (Report Codes)
End of Line Resistor	A zone characteristic that specifies that two 4K7 end of line resistors are used. An end of line resistor (EOL) is a resistor that is placed on the line to stop the signal being bounced back.
End Programming	A menu entry that groups the report codes that are sent to the central station when the installer leaves programming mode. See also *Start/End Programming*
Enrol Modules	A menu option that activates the process by which the control makes an internal list of all keypads and modules connected to the system.
Enter Code or OK	A menu option that enables the menu prompt 'Enter Code or OK'.
Entry 1	The time within which the user must disarm the system before a full alarm occurs. This time can be between 10 and 255 seconds. See also *Delay 1*
Entry 2	The time within which the user must disarm the system before a full alarm occurs. This time can be between 10 and 255 seconds. See also *Delay 2*
Entry Guard	A zone type that reduces false alarms. If an armed entry guard zone is opened, the keypad sounder activates and the entry delay starts before creating an alarm. This can be programmed as a zone type.
Entry route	The route the user must follow through a secured area to reach the keypad and disarm the system.
Entry time buzzer	An audio indicator that sounds during all entry times.
EOL resistor	See *End of Line Resistor*
Event	Any occurrence such as system arming, faults and alarms. A menu option that specifies which event activates an output.
Event Log	A menu command that is used to view the event log. The event log is a list of events that occur in the system, regardless of the armed state of the system. They are held in a sequential event buffer with a time and date stamp. When the log is full, it overwrites the oldest entries with new data. These events can later be viewed through downloading. See also *Log Full*
Events	A menu entry that groups settings that control which events are reported for phone communication.
Exit 1	The time within which the user must leave the protected zone after arming the system before a full alarm occurs. This time can be between 10 and 255 seconds. See also *Delay 1*
Exit 2	The time within which the user must leave the protected zone after arming the system before a full alarm occurs. This time can be between 10 and 255 seconds. See also *Delay 2*

Term	Definition
Exit Error	A menu option that specifies that the control panel sends an exit error report if an entry/exit zone is faulted when the exit delay expires. This report is sent along with the user number that armed the system, if the panel is not disarmed before the entry delay expires. The alarm report is also sent. Even if this feature is not enabled, the siren sounds if any entry/exit zone is faulted when the exit delay expires. A menu entry that groups the report codes sent to the central station if an alarm is created during the exit time. (Report Codes)
Exit Expiry	A menu option that causes the internal sounder to blast when the exit time expires.
Exit route	The route the user must follow to exit a secured area after arming the system.
Exit time	The time within which the user must exit the secured area after arming the system before a full alarm occurs. This time can be between 10 and 255 seconds.
Exit time buzzer	A sounder indicating that the system is in exit time waiting to complete arming. The exit time buzzer does not sound for silent exit.
Expander board	The control panel can be used with additional boards which provide extra functionality. These include: • CS208/CS216 Input Expanders • CS507 Output Expanders • CS586 Direct Connect Module • CS534 Listen-in Module • CS320 Power Modules • CS535 Voice Module • CS1700 Proximity Readers • CS7001 GSM Module • Receiver Modules
Expander Trouble	A menu option that activates the internal sound when an expander trouble condition occurs. (Internal Siren) A menu option that activates the keypad buzzer when an expander trouble condition occurs. (Keypads) A menu option that sends a report to the central station when an expander trouble condition occurs. (System Reports) A menu entry that groups report codes sent to the central station when an expander trouble event occurs. (Report Codes)
Expander Trouble and Restores	A menu option that sends a report to the central station when the control panel detects expander trouble. A report is also sent when the trouble condition is fixed. (Reports) A menu option that sends an expander trouble and restore report to the selected phone number. (Phone Numbers) A menu option that sends expander trouble and restore reports to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Expansion modules	See *Expander board*
External Contact	A menu option on an RF door/window sensor that enables an additional external contact. When the external contact is triggered, an alarm is generated on the same zone number as the door/window sensor (reed contact) itself.
External Siren Timeout	A menu option that sets the length of time an external sounder/siren rings before automatically cutting out. A new alarm trip reactivates the external sounder for the length of time specified in this option. This time can be between 0 and 255 minutes. When set to 0, the siren is active until a valid code is entered on the keypad.
F	

Term	Definition
Factory defaults	The default control panel values that are set in the factory. Each country has a country code and associated default values. To use these values, default the panel and then select the country code. The default values are filled into the control panel the moment the country code is selected.
Fail to Communicate	A menu option that sends a report to the central station when the system has failed to communicate with the central station after the number of attempts set in FTC Dialler Attempts. The report is sent when communication with the central station has been restored. (System Reports) A menu option that reports a fail to communicate event to the selected phone number. (Phone Numbers) A menu entry that groups the report codes sent to the central station when a fail to communicate event occurs. (Report Codes) A menu option that reports a fail to communicate event to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Fast Format Channels	A menu option that specifies which Fast Format channels are enabled. These are grouped as Channels 1 – 8 and Channels 9 – 16.
Faults	Any problems with the system. Zones that are open are referred to as faulted.
Feature Select	A menu entry that groups all optional features relating to partition settings, control panel system settings and so on.
FF Channel	A menu option that specifies that the Fast Format channel format is used to report the selected zone, zone type or event.
File *n*	A menu option that selects the programming memories within the CS586 direct connect module. There are four possible programming memories.
File to Panel	A menu option to copy programming memory from one of the four memory locations contained in the CS586 direct connect module, to the control panel.
Files	A menu entry that groups the four programming memories in the CS586 direct connect module.
Final Set Door	A zone type that arms the system the moment the exit door is closed. It differs from an exit terminator zone in that it is available in the standard CSx75 and is attached to a zone that can also create alarms and so on.
Fire	A zone type that reports a fire alarm when activated.
Fire light	An LED light indicating the status of a fire zone. A steady fire light means a fire zone has been faulted. A rapidly flashing fire light means that a fire zone is in a trouble condition.
Fire Siren	A menu option that sets the type of siren activated when a fire alarm occurs. This can be either yelping or temporal.
Fire Supervision	A menu option that specifies that the RF433 or RF868 receiver uses the fire supervision timing window.
Fire Verification Time	A menu option that sets the amount of time within which a second trip must occur on a smoke detector in order to generate an alarm.
Fire Window	A menu option that specifies the RF supervision to be used for RF smoke/fire detectors. The RF smoke/fire detectors send a supervision every 64 minutes, irrespective of 433 Mhz or 868 Mhz. See also *Supervision*
Fire/Aux 1 (1+3)	A menu option that activates keys 1 and 3 as the fire alarm combination keys. When this option is enabled and these keys are pressed at the same time, a fire alarm is generated.
First to Open/Last to Close	A menu option that sends a report to the central station stating when the system opened and closed. This option can only be used in a multi-partitioned system. A report is sent stating the first area opened. A log is then kept recording when the other areas opened and when they closed. This information is sent in a second report when the last open area closes.

Term	Definition
F*n* Function	A menu option that specifies the function of the selected function key. Possible functions are: • Arm Away (asks for code if quick arm disabled) • Arm Stay • Bypass Zones (asks for code if required for bypass) • Group Bypass • X-10 Device Control (start up X-10 device control mode) • Alarm Memory • Service Check • Reset Smoke Detector • Answer U/D Call (asks for code if required for download) • Begin U/D Call • Silent Exit • Chime • PA Alarm • MA Alarm • Fire Alarm • Change Phone Number (asks for code, which must be a master code, and prompts for the phone number to change) See also *User Phone Editing*
Follower/Access	A zone type that acts like a normal burglary zone except during entry and exit times when it is inhibited. The entry time is started when a Delay zone is opened. The zone is instant when the system is armed and no entry or exit delay is timed. See also *Delay 1* and *Delay 2*
For Zones On Siren Timeout	A menu option that sends a restore report to the central station when the siren times out. See also *Send Restores*
Force Armable	A zone characteristic that allows the zone to be force armed.
Force arming	A feature of the CSx75 which allows the system to be armed with open zones. If a force armable zone is open, the Ready LED flashes. When the exit delay expires, the open zones are bypassed. If these zones are closed during the arming cycle, they are unbypassed and become armed. See also *Bypass on Force Arm* and *Force Armable*
Force Default Zone Types	A menu option that uses the default zone types in the country defaults for the selected country rather than configured zone types.
Format Override	A menu option that allows the installer to build communication formats if using a non-standard central station. Consult technical support before using this option.
FTC	See *Fail to Communicate*
FTC Dial Attempts	A menu entry that groups options related to the number of attempts that are made to a specified phone number, before the Fail To Communicate condition appears. (Communications) A menu option that specifies the number of dial attempts that are made by the GSM module to a specified phone number, before the Fail To Communicate condition appears. (CS7001 GSM Module)
Full arm	All of the possible areas displayed on a multi-area keypad are armed.
Function Keys	A menu entry that groups all programmable function key options. Function keys are dedicated for a particular function as programmed by the installer.
Functions	A menu entry that groups the functions that can be linked between a CS1700 proximity reader and X-10 functions.
G	
Group Bypass	A zone characteristic that allows the user to bypass multiple zones with a single operation.
Group Shunt	See *Group Bypass*

Term	Definition
GSM Connection	A menu entry that groups GSM connection settings.
GSM Engine Info	A menu entry that groups information that is returned from the on-board GSM module on the CS7001 GSM module.
GSM Module	See *CS7001 GSM Module*
GSM Operator	A menu entry that groups information on the current GSM operator and allows a specific GSM operator to be manually selected. See the *GSM Module Installation Manual (CS7001)* for more information.
GSM Engine Comms	A menu option that indicates that communication with the GSM module is established.
H	
Handshake Digit	A menu option that specifies the handshake digit. This digit is sent from the central station (in the case of a CS535 voice module, this is usually a house phone or a mobile phone) to the control panel in order to establish a connection.
Hardware zone expander	See *CS208*/*CS216 Input Expanders*
Hide PINs	A menu option that displays the user code as dashes when programming codes using the keypad. If this option is disabled, each digit is shown rather than displayed as a dash.
High Gain Listen In	A menu option that activates high gain listen-in mode. This is a listen-in mode that is generally used in environments that produce very low noise.
Home Automation	A menu entry that groups options relating to the home automation system. The control panel can communicate to home automation protocols such as the X-10 protocol. The connection between the control panel and the X-10 home automation module is made through the CS507 output expander or the CS534 listen-in module RJ11 connectors. The on-board RS232 connector on the CS275, CS575 and CS875 can be used to connect to other home automation systems. Consult your local Aritech Support to obtain more information.
House Code	A menu option that sets the code used to identify a particular premises. It is necessary in case any neighbouring premises also has an X-10 home automation system. More information on the X-10 home automation system can be found at www.x-10europe.com.
I	
Indicator-A Time Remaining	A menu option that sets the length of time remaining after indicator “A” is sent to the central station. The two-way session is terminated after this time if there is no further activity from the central station. This time can be set between 1 and 255 seconds. This is a CS534 listen-in module option.
Indicator-B Time Remaining	A menu option that sets the length of time remaining after indicator “B” is sent to the central station. The two-way session is terminated after this time if there is no further activity from the central station. This time can be set between 1 and 255 seconds. This is a CS534 listen-in module option.
Input Type	A menu entry that groups options that determine the basic features of the selected zone type.
Inputs	A menu entry that groups options relating to all zones. (Control Panel) A menu entry that groups options relating to RF zones only. (RF Receivers) A menu entry that groups time settings relating to inputs. (System Settings>Timers) A menu entry that groups options that enable features relating to inputs. (System Settings>Feature Select)
Installer	The person who installs and programs the system.
Installer Code	A four or six-digit code used to program the system. It specifies the partitions and parts of the system the installer can access. It can also be used as a standard arm/disarm code, in which case it becomes user 255. A menu entry that groups installer code options.
Installer Menu	A menu entry that groups all information related to installer programming.

Term	Definition
Interface Configuration	A menu option that enables interface configuration transition broadcasts. These broadcasts transmit changes to zones, partitions and so on to the home automation system. (Transition Broadcasts) A menu option that enables the control panel to respond to interface configuration requests sent by the home automation system. (Commands/Requests)
Interior	A zone type within the building that is bypassed when the system is armed in stay mode.
Internal Reed	A menu option on an RF door/window sensor that enables the internal reed contact.
Internal Siren	A menu entry that groups options that set the conditions/events that activate the internal siren. This is a siren which sounds within the building.
Internal Siren Timeout	A menu option that sets the length of time the internal siren rings before automatically cutting out. This time can be between 0 and 255 minutes. When set to 0, the siren is active until a valid code is entered on the keypad.
Internal sounder	See *Internal Siren*
Interval	A menu option that sets the length of time between autotests. The unit is set in autotest control. The Hour and Minute options set the time at which the test is performed.
Inverted	A menu option that enables a mode that inverts the state of an output (normally activated and then deactivated when an event occurs). A menu option that lights the selected LED (Green/Red) when the device is in inverted mode. (CS1700 Proximity Reader)
J	
Jam Detection	A menu option that enables the detection of RF jamming. The RF wireless communication is considered to be jammed when there has been a jamming signal for more than 30 seconds in a 60 second window.
K	
Key click	The default sound for any key press.
Keychain touchpads	See *Keyfob*
Keyfob	A menu entry that groups options relating to any device that sends commands by a wireless receiver.
Keyfob Funct 1	A menu option that enables the light bulb button on the keyfob for the selected RF zone on the selected RF receiver. If this option is enabled, pressing the light bulb button sends a keyfob function 1 event. Control panel auxiliary outputs and CS507 outputs can be programmed to respond to this event. (RF Receivers) A menu option that sends a keyfob function 1 event for the selected proximity reader action. The actions are Single Badge, Double Badge and Badge Hold. (CS1700 Proximity Readers)
Keyfob Funct 2	A menu option that enables the * button on the keyfob for the selected RF zone on the selected RF receiver. If this option is enabled, pressing the * button sends a keyfob function 2 event. Control panel auxiliary outputs and CS507 outputs can be programmed to respond to this event. (RF Receivers) A menu option that sends a keyfob function 2 event for the selected proximity reader action. The actions are Single Badge, Double Badge and Badge Hold. (CS1700 Proximity Readers)
Keyfob Low Battery Reports	A menu option that reports a keyfob low battery condition. This option is available on the 868 Mhz RF Receiver only. The low battery condition is reset by pressing the Arm (Lock) and Disarm (Unlock) button at the same time. If this option is enabled, each enrolled keyfob uses up one zone in the system. If this option is disabled, keyfobs do not use up a zone in the system and can overlap with a used zone.
Keyfob User ID	A menu option that makes the keyfob report as the zone that it is learned into. When this option is disabled, all keyfobs report their open/closing reports as user 99.

Term	Definition
Keypad	A device used to interface with the system. A menu entry that groups the report codes sent to the central station for keypad related events.
Keypad activated panics	See *Combination keys*
Keypad Aux 1 (Fire)	A menu entry that groups the report codes sent for the keypad aux 1 (fire) event. See also *Combination keys*
Keypad Aux 2 (Medical)	A menu entry that groups the report codes sent for the keypad aux 2 (medical) event. See also *Combination keys*
Keypad Beeping	A menu option that activates the keypad buzzer when an alarm occurs.
Keypad Defaults	A menu option that defaults the keypad to the country settings for the selected country.
Keypad display	The keypad screen where system message, menu options and user/installer input are displayed.
Keypad Features	Options that define keypad features: • Display • Sounds • Case Tamper • Multi-Area Keypad • Panic Keys • User Phone Editing
Keypad Functions	A menu entry that groups settings that enable home automation commands related to keypads.
Keypad Message	A menu option that allows the home automation protocol to send different end-user messages to the keypad display.
Keypad Number	A menu option that sets the keypad number within the partition. The keypad can be numbered from one to eight. The selected number links to the module number reported to the central station in the case of tampers or expansion troubles. An overview of the keypad numbers and their module numbers can found in appendix 2 of the *CS5500 Programming Manual*.
Keypad Panic	A menu entry that groups the report codes sent for the keypad panic event.
Keypad Tamper	A menu entry that groups the report codes sent for the keypad tamper event.
Keypad Terminal Mode	A menu option that makes the keypad a home automation terminal when requested by the CS586 direct connect module.
Keypads	A menu entry that groups the keypad events that trigger an output. (Event)
Keyswitch	A zone type that can be used to arm or disarm a partition using a switch connected to a zone instead of a code. Both pulsed and maintained keyswitches can be used.
Keyswitch Arming	A menu option that causes the internal sounder to blast when the system is armed by keyswitch or armed and disarmed by keyswitch. There is one blast for arming and two blasts for disarming.
Keyword library	See *Word library*
Kiss off	An audio signal sent by a central station receiver to the modem on the control panel indicating that it has received the communicator's transmission successfully.
Kiss Off Digit	A menu option that specifies the digit that the CS535 voice module accepts as a signal from the telephone saying that the person has understood the message.
Kiss Off Message	A menu command that records the kiss off message. This message is sent by the CS535 voice module at the end of a voice reporting phone call to indicate that the kiss off digit has been received. (Recording) A menu command that plays back the kiss off message. (Playback)
L	
Language Text	A menu entry that groups descriptors such as Custom Message and Shutdown Message. These messages are language independent.

Term	Definition
Last Round Count	A menu option that displays the number of rounds of RF data received during the last transmission. This information can provide an indication of the quality of data reception. To get an accurate count, the installer must cause a tamper and then wait 5 seconds before restoring the tamper to prevent additional signals being counted. This option is available only on a 433 Mhz system and is replaced by the RSSI value on an 868 Mhz system.
Latched	A menu option that causes an output to remain activated until a code is entered at the keypad.
LCD contrast	The contrast of the LCD display. This can be changed for each individual keypad.
LCD keypad	A device used to interface with the system. Information is displayed on an LCD display.
LCD Keypad Address	A menu option that specifies the unique number that is assigned to the keypad when it is enrolled. The system uses this address to identify the keypad. It is also used to report events (such as keypad tampers and keypad communication loss) to the central station.
Leader Message	A menu command that records the leader message. This message is sent by the CS535 voice module at the start of a voice reporting phone call. (Recording) A menu command that plays back the leader message. (Playback)
Learn-in Mode	An option that enables the mode in which a new wireless device is enrolled on the system.
LED 1 (Green)	A menu entry that groups options that cause LED 1 to display a green light. The CS1700 proximity reader has a built-in LED (at the top of the reader) which can display a green light or be turned off. The LED follows the ready state or the state of the built-in relay in the proximity reader. It is possible to invert the action that activates the LED.
LED 2 (Red)	A menu entry that groups options that cause LED 2 to display a red light. The CS1700 proximity reader has a built-in LED (at the bottom of the reader) which can display a red light or be turned off. The LED follows the armed state or the state of the built-in relay in the proximity reader. It is possible to invert the action that activates the LED.
LED Extinguish	A menu option that turns off all LEDs on the keypad (except the Power LED) after 60 seconds without a key press. All LEDs are illuminated again when any key is pressed. A menu option that enables or disables LED Extinguish for all partitions. (Partitions) A menu option that enables or disables LED Extinguish for an individual keypad. Both options must be enabled for this feature to work. (Keypad)
LED keypad	A device used to interface with the system. Information is displayed using LED lights.
Light control	A control used with the home automation system to set the level of lighting on the premises.
Light Emitting Diode (LED)	A light on the keypad that gives system status information.
Line Fault Delay	A menu option that specifies the number of seconds that the RF signal (GSM module) must be lower then the level defined in Line Fault RF Level in order to signal a line fault. This option is related to the CS7001 GSM module.
Line Fault RF Level	A menu option that specifies the detection level of the RF signal. If the RF signal is lower then this value, a line fault is generated.
Line Hold Digit	A menu option that specifies the digit that starts a two-way session when the control panel is in line hold mode. This is a CS534 listen-in module option.
Line hold mode	A mode that allows the CS534 listen-in module to seize the line immediately after the control panel releases the line. A two-way session with the central station begins instantly or when the line hold access digit is entered depending on how the audio module is programmed.

Term	Definition
Line Hold Timeout	A menu option that sets the length of time the CS534 listen-in module will remain on the phone line with no activity from the central station. This time can be set from 30 to 255 seconds. If it does not receive the digit within this time, the listen-in module disconnects.
Liquid Crystal Display (LCD)	See *Keypad display*
Listen-in	A menu option that sends a report to the central station indicating that a listen-in session must be started. Listen-in is a user function. In order to use listen-in, a CS534 listen-in module must be installed and a microphone must be connected. When an alarm is generated and reported, the central station can listen to what is happening on the premises. Certain protocols (such as SIA, Contact ID and 200Bd FSK) have 'listen-in blocks' that are communicated with the alarm code and indicate that a listen-in session must be started.
Listen-in Module	See *CS534 Listen-in Module*
Listen-In Only	A menu option that enables the listen-in only mode. This is the mode in which the central station can monitor sounds at the customer's premises but cannot establish two-way communication. See *High Gain Listen In* and *Low Gain Listen In*
Listen-in Time	A menu option that sets the length of time the central station can listen for sounds of intrusion by means of microphones at the alarm site.
Local Only	A zone characteristic that causes that zone not to report alarms to the central station. Locally, the sirens are activated according to the other zone type characteristics.
Local Programming	A menu option that disables the installer menu. This option can be set only through the up/download software.
Location	A programmable unit of a module. Different options can be specified for each location. Each location contains one or more segments. Locations are programmed on the CS5500 menu keypad using menu options.
Lockout	A menu entry that groups options that lock certain system functions. See also *System Shutdown*, *Local Programming*, *Comms Settings* and *Download Settings*
Log Event	A menu option that causes the selected output to log an event when it is activated. This is available only on the CS507 output expander module. (Outputs) A menu option that enables log event transition broadcasts. (Transition Broadcasts) A menu option that causes the control panel to log an event each time an output on the CS507 output expander module trips and each time an output restores. (Commands/Requests)
Log Full	A menu option that sends a report to the central station when the event log is full. (System Reports) A menu entry that groups the report codes sent to the central station when the event log is full. (Report Codes)
Logged into GSM Network	A menu option that indicates that the CS7001 GSM module is logged into the GSM network.
Loop Response	A zone characteristic of on-board control panel zones that specifies the response rate. This can be either 500 ms or 50 ms.
Lost Clock Indication	A menu option that enables the service message 'Control Loss of time'. See appendix 5 in the *CS5500 Programming Manual* for a list of all service messages.

Term	Definition
Low Battery	A menu option that sounds keypad buzzers when a low battery event occurs. (Sound On) A menu option that enables low battery reporting on the control panel. (System Reports) A menu entry that groups report codes sent to the central station for a low battery event. A restore report is sent to the central station when this condition is no longer active. (Report Codes) A menu option that enables low battery reporting on a CS320 power module. (CS320 Power Module)
Low Gain Listen In	An option that enables the mode in which the central station listens in to the customer's premises. This mode is used in environments where background noise may distort the audio.
M	
Mains	The main source of power.
Mains Delay Time	A menu option that sets the length of time between detecting a mains failure on a CS320 power module and sending a report to the central station. The restore event is sent four minutes after the mains is restored.
Mains Failure	A menu option that causes the keypad sounder to buzz when the mains power supply fails. (Keypads) A menu option that sends a report to the central station when the mains power supply fails. A delay time can be set for this report. (System Reports) A menu entry that groups the codes used to report a mains failure event. (Report Codes)
Mains Frequency	A menu option that provides an accurate clock in situations where different mains frequencies are used: 50 Hz or 60 Hz are possible selections.
Mains Report Delay	A menu option that sets the length of time between detecting a mains failure on the control panel and sending a report to the central station. The restore event is sent four minutes after the mains is restored.
Mains/Batt Sounder Alert	A menu option that causes the keypad sounder to beep upon arming or disarming if the mains power is missing or a low battery is detected. (System option)
Manual Dialler Test	A menu option that includes a dialler test in the user's manual test. A manual test call is made to the central station and the corresponding signal is transmitted. See also *Do Self Test*
Manual Siren Test	A menu option that activates the siren test when the Do Self Test command is selected from the User menu.
Manual test	A bell and/or communicator test that can be manually performed while the system is disarmed.
Manufacturer	A menu option that contains the GSM Engine Manufacturer Identification. For the CS7001 GSM module, this is a Siemens GSM engine.
Master Code	A menu option that specifies a code that can program other user codes provided it has access to the same partitions as the user code. The user 1 code is the default master code.
Master Code Resets Tamper Memory	A menu option that allows a master user to reset the system after a tamper alarm. If this option is disabled, an installer must reset the system each time a tamper occurs. The user should identify the cause of the alarm before arming the system and contact the installer if necessary. See also *Service Check* and *Service Message*
Master mode	See *Multi-Area Keypad*
Master mode display	The high level display when in the master mode. It shows the armed and ready state of all areas in the system.
Master user	A user who has been assigned master user attributes. A master user can create other users in the system.
Max SMS Messages	A menu option that specifies the maximum number of text messages that the CS7001 GSM module can send to the central station. The maximum number of text messages is calculated over a period of 24 hours, between 0:00 and 23:59.

Term	Definition
Medical/Aux 2 (4+6)	A menu option that activates keys 4 and 6 as the medical alarm combination keys. When this option is enabled and these keys are pressed at the same time, a medical alarm is generated.
Mic A at Startup	A menu option that activates microphone A when listen-in commences.
Mic B at Startup	A menu option that activates microphone B when listen-in commences.
Misc Commands	A menu entry that groups home automation commands.
Misc Requests	A menu entry that groups home automation requests.
Mode	A menu option that specifies if the CS534 listen-in module is used in line hold mode or call back mode. See the *Installation Manual* for more information.
Model	A menu option that displays the current model of the device being programmed.
Module	The system is divided into modules. For example, the control panel is one module and the keypad is one module. Each module stores its own configuration which can be accessed through the Installer menu. A module is also known as a device.
Module Number	A menu option that sets the X-10 module number used to identify a particular X-10 device on the selected module. A CSx75 bus module number is assigned to each system module. The system uses this number to identify the module. It is also used to report module problems (such as tampers and module supervision lost) to the central station.
Multi Code Tamper	A menu option that disables the keypad for 60 seconds and sends a tamper signal to the central station if 30 key presses are entered without producing a valid code.
Multi-area arm	The system is armed for multiple areas at once.
Multi-area disarm	The system is disarmed for multiple areas at once.
Multi-Area Keypad	A menu option that sets the default mode of the selected keypad to multi-area mode. This is a mode of operation on a keypad that allows a user or installer access multiple partitions within the system and to perform functions in these partitions. A multi-area keypad can be temporarily switched to operate in single-area mode and a single-area keypad can be temporarily switched to operate in multi-area mode.
Multi-partition mode	See *Multi-Area Keypad*
Multiple Event Messages	A menu command that records a multiple event message. This message is sent by the CS535 voice module and states the events that have occurred. (Recording) A menu command that plays back multiple event messages in a row. (Playback)
N	
New Trip Hangup Time	A menu option that sets the time at which the two-way session timer is reset if a new event occurs in a partition during a two-way session between the partition and the central station.
No Keypad Display	A zone characteristic that blanks the zone status when armed.
Normal Window	Normal window: A menu option that specifies the normal supervision window for RF devices. RF devices on 433 Mhz typically report every 64 minutes. RF devices on 868 Mhz typically report every 15 minutes. Depending on the country regulations, this timer must be set to specific values. See the *Installation Manual* for more information. See also *Supervision*
Numeral keys	Keypad keys that are used to enter numeric values, including codes and settings, to the control panel.
O	
On-board 8 zones	A menu option that disables the zones on the control panel. This provides a completely wireless alarm system.
Only if Closed	A menu option that activates an output after closing time and before opening time. During these times, codes can be used to arm/disarm the system. A timer is used to set these times.

Term	Definition
Only if Open	A menu option that causes an output to activate only if the programmed event occurs between the opening and closing time of a schedule.
Open zone	A detection area that is not secured. An open zone makes the system status 'Not Ready'. An example of an open zone is a protected door or window that is open.
Open/Close/Cancel	A menu entry that groups all reporting codes for opening, closing and cancel events.
Opening	A menu option that sets the time at which the selected schedule enters the open state. (Schedules) A menu option that sets the time at which the selected schedule enters the open state. At this time, the control panel enables codes designated as 'arm only after closing'. (Schedule Times) A menu entry that groups the codes reported on an opening (disarm) event. (Report Codes)
Opening/Closings	A menu option that sends a report to the selected phone number stating when the system is opened (disarmed) and closed (armed). (Arm/Disarm/Alarm) A menu option that enables opening/closings reporting. (Reporting) A menu option that sends opening/closings reports to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Operator Selection	A menu option that specifies which network to use with the CS7001 GSM module. The GSM module lists all operators and operator codes. A full list of operators can be found in the *GSM Module Installation Manual (CS7001)*.
Optical Tamper	A menu option that sends a report to the central station when there is interference with the CS7100 proximity reader. The optical tamper is built in as a pry-off protection.
Other keypads	A menu entry that groups programming options for other keypads in the system. These options include changing keypad settings and verifying software version and models.
Output Expanders	See *CS507 Output Expanders*
Output Signal Type	A menu option that converts the internal siren to accept a speaker. The built-in 112db siren driver can be converted to a 1-amp voltage output. The siren can be 15 or 30 Watt maximum, with an impedance of 4, 8 or 16 ohms.
Outputs	A menu entry that groups options relating to programmable outputs. There are two types of outputs; relay and open collector. The control panel includes up to four auxiliary outputs. The CS507 output expander and the CS320 power module provide additional outputs. A menu option that specifies which outputs the selected user can operate. (CS507 Output Expander)
P	
Panel Dialler Not OK Events	A menu entry that groups events that are sent by the GSM when there is no telephone line available or when the dialler did not report correctly within the Dialler Successfully Reporting Time Out (DSRT) period. The GSM reports these events as a backup.
Panel Dialler OK Events	A menu entry that groups events that are sent by the GSM when the telephone line is available. If the telephone line on the panel is disconnected, the events are not sent.
Panel to File	A menu option to copy a panel's programming to one of the programming memories in the CS586 Direct Connect module. There are four possible programming memories in the CS586.
Panel Type	A menu option that displays panel type information currently stored in one of the four programming memory files on the CS586 Direct Connect module. Possible values are CS175, CS275, CS575 and CS875.
Panic alarm	See *Personal attack alarm*
Panic Keys	A menu option that enables panic keys to be programmed. The CSx75 allows the user to generate different types of panic by pressing two keys at once. See also *Combination keys*

Term	Definition
Partarm	A menu option that groups the report codes sent to the central station when the system is partarmed (Arm Stay). See also *Arm Stay mode*
Partition	A group of zones which operate as a unit and can be armed and disarmed independently of other partitions in the system. A partition is also known as an area. The control panel can be divided into separate partitions with distinct zones, keypad and user codes for each partition. A menu option that specifies the partition that the selected keypad can access if it is a single-area keypad. It also, together with the keypad number, determines the keypad bus module number for both single-area and multi-area keypads. See also *Module Number*, *Partitions*, *Multi-Area Keypad*
Partition Account Codes	A menu option that specifies the account code for each partition. This option can be used only if the account code in one of the six phone numbers is left blank. See also *Account Code*
Partition Names	A menu option that specifies the name of each partition.
Partition Reports	A menu option that specifies the events that are enabled for each partition. Events specified in this option are related to all partitions in the system.
Partition Settings	A menu entry that groups all partition settings. These settings include partition features, partition timers and so on.
Partition Snapshot	A menu option that enables partition snapshot transition broadcasts. (Transition Broadcasts) A menu option that enables the control panel to respond to partition snapshot requests sent by the home automation system. (Commands/Requests)
Partition Status	A menu option that enables partition status transition broadcasts. (Transition Broadcasts) A menu option that enables the control panel to respond to partition status requests sent by the home automation system. (Commands/Requests)
Partitioned system	A system divided into multiple areas or partitions. Each partition can be programmed differently and can be controlled by a different user.
Partitions	A menu entry that lists the partitions assigned to the selected zone/output/keyfob/proximity reader. The selected zone/keyfob/proximity reader can trigger an event on these partitions. The selected output can be triggered by an event on these partitions. A zone may reside in any combination of partitions. A zone that resides in more than one partition becomes a common zone and is reported to its lowest partition number. A common zone is armed only when all the partitions that it belongs to are armed. It is disarmed the moment one of the partitions it belongs to is disarmed.
Partitions Autoarming	A menu option that allows the control panel to auto arm at a specified time. At this time, the keypad beeps for 50 seconds before the panel arms. The arming process is stopped if a code is entered on the keypad. The control panel attempts to arm after every 45 minutes of inactivity until the next opening time, or until the system is armed. The 45-minute timer is extended when there is activity in the building causing the Ready LED to turn off and on. If closing reports are sent, the user code is 97.
Partitions Opening	A menu option that specifies the days of the week that each partition is open.
Perimeter	The outer edge of the protected area. A perimeter alarm is an alarm that is activated on the perimeter rather than on an interior zone.
Peripheral bus interface	The bus on which modules are connected to the panel.
Personal attack alarm	An alarm that is reported when a personal attack zone is activated or when the combination keys for a personal attack alarm are pressed. A personal attack zone is a zone type that sends a personal attack alarm and it can be linked to a panic button. Generally, a silent alarm is sent to the central station. See also *Combination keys*
Phone Account Code	A menu option that specifies the phone account code. This is the default account on the CS7001 GSM module that is used for partitions with no account code.

Term	Definition
Phone Line Cut	A menu option that sends a report is sent to the central station the moment the phone line cut is restored. If a CS7001 GSM module is installed, it may be configured to report the phone line cut straight away. (System Reports) A menu entry that groups options that activate the internal siren when a phone line is cut while armed or disarmed. (Internal Siren>Sounds On) A menu entry that groups options that activate the keypad buzzer when a phone line is cut while armed or disarmed. (Keypads>Sound On) A menu entry that groups the report codes sent when a phone line is cut. (Report Codes)
Phone Line Cut Delay	A menu option that sets the length of time before a phone line cut is signalled after a phone line cut is detected.
Phone Number	A menu option that specifies the phone number of the central station where events are reported. The control panel can report to up to six phone numbers.
Phone Numbers	A menu entry that groups phone number reporting options.
Phone Prefix	A menu option that specifics the phone prefix. This is a four-digit telephone prefix that is used to select tone and pulse dialing and enter a delay to wait for a dial tone. This sequence is pre-dialled by each of the telephone numbers. #1 programs a *. #2 programs a #. #3 programs a four-second delay at any point in the prefix (displayed as a comma). #4 switches to pulse dialling (displayed as P). Tone dialling is the default. If a four-second delay is programmed at the first digit, the panel does not wait for a dial tone before starting to dial the number. Select this option when the phone system has a poor quality dial tone or does not generate a dial tone.
PIR	Passive infrared motion sensor.
Playback	A menu entry that groups options that allow the installer to play back recorded voice messages.
Power	A menu entry that groups the power events that are reported to the selected phone number. (Phone Numbers) A menu entry that groups the power events that are reported to the central station. (System Reports) A menu entry that groups report codes that are sent to the central station when power related events occur. (Report Codes) A menu entry that groups the timer options relating to power events. (Timers)
Power Failure	A menu option that sends a message to the central station when power failure occurs. This is a CS7001 GSM module option.
Power light	An LED light indicating that the system is connected to the mains power. The power light is on when the mains power is on. The power light flashes when the system has a low battery condition.
Power Modules	See *CS320 Power Modules*
Power Trouble and Restores	A menu option that reports mains failure, mains restore, low battery and low battery restore events to the selected phone number. (Phone Numbers) A menu option that sends power trouble and restore reports to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Power Up Delay	A menu option that sets the time between mains restore after a power failure and the system powering up again. This can be set from 0-60 seconds. 0 means no power up delay.
Pre-dial Delay	See *Dialler Delay*
Prog Outputs	A menu entry that groups options that configure outputs.
Program Data Command	A menu command request sent by the home automation system to the CS586 Direct Connect module. It is used to configure the system through the serial port.
Program Data Request	A menu command request sent by the home automation system to the CS586 Direct Connect module. It is used to read configuration data from the control panel through the serial port.

Term	Definition
Program/Download	A menu option that reports programming and up/download events to the selected phone number. (Phone Number) A menu option that reports programming and up/download events to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Programming	A menu entry that groups home automation commands.
Programming mode	A mode of operation in which the installer can program the control panel after entering the Installer code to access the installer menu.
Protocol	A menu option that sets the communicator format used to transmit to the receiver connected to a phone. Up to six phones can be set up. Multiple formats are available, such as Contact ID, SIA, 4+2 and pager format. Contact ID and SIA are the recommended formats. See appendix 4 for more information on communicator formats. (Phone Numbers) A menu option that sets the home automation protocol to binary or ASCII. (Home Automation)
Proximity Readers	See *CS1700 Proximity Readers*
Pulsed Keyswitch	A zone characteristic that allows a zone input to be used with a momentary keyswitch. Each activation of the keyswitch toggles the armed state of the control.
Q	
Quick Arm	A menu option that enables the function keys for part arming and for full arming. These options work on a single-area keypad only.
R	
Ready light	An LED light indicating that the system is ready to be armed. The light is on when the system is ready to arm and off when it is not ready due to faulted zones. The light flashes when the system is ready to force arm.
Ready State	A menu option that lights LED 1 (Green) when the system is ready to be armed.
Receiver Features	A menu entry that groups programmable options for RF receivers.
Receiver modules	Modules that add wireless capability to the control panel. Adding a receiver module makes the control panel compatible with wireless transmitters or keyfobs.
Recent Closing	A menu option that sends a report to the central station if an alarm occurs within five minutes after the panel has been armed. The user number that armed the system is also sent. (Communications) A menu entry that specifies the code (SIA/ContactID/FastFormat/200Bd FSK) or voice channel to be used for recent closings events. (Report Codes)
Recording	A menu entry that groups recording options for messages sent by the CS535 voice module.
Re-exit	A menu option that enables the exit delay without disarming the system. The exit delay can be restarted if in arm stay mode by using the Arm Away command in the user menu or by pressing a function key programmed by the installer to activate arm away.
Reject beep	An audio signal generated by the keypad buzzer that indicates code, command or value update rejection.
Relay Active Time	A menu option that sets the length of time the relay is activated when a proximity card is held against the CS1700 proximity reader.
Relay State	A menu option that lights the selected LED when the device's relay is activated.
Report Codes	A menu option that groups codes that are sent to the central station when a particular event occurs.
Report Mains Fault Always	A menu option that sends a report to the central station if power is lost for the time programmed in Mains Delay Time. If this option is disabled, the report is sent only if the control panel has not sent a mains power lost report and Mains Fail report is enabled. This option applies only to the CS320 power module and not to the control panel.

Term	Definition
Reporting	A menu option that indicates that the CS7001 GSM module is currently reporting events to the panel via the GSM network. (CS7001 GSM Module) A menu entry that groups reporting options. (Communications) A menu entry that groups reporting options for the selected zone type. (Zone Types)
Reports	A menu entry that groups report options for the selected module.
Reports Open/Close	A menu option that specifies a code that reports arms (close) and disarms (open) to the central station.
Require Code for Download	A menu option that requires a user code to be entered before downloading can start.
Reserved	A location or segment that is not used.
Reset Reader Address	A menu option that wipes the proximity reader's module number so that the reader can be learned in again on the control panel.
Reset Smoke Detector	A menu command that resets two-wire and four-wire smoke detectors and the Fire LED. For hardwired smoke detectors, the power supply to the smoke detectors is cut temporarily. RF smoke detectors have an auto reset because the RF communication is uni-directional (from RF detector to RF receiver). This command does not reset RF smoke detectors but should still be used to reset the Fire LED.
Response rate	A reaction speed of inputs on the control panel and the CS208/CS216 input expanders. This can be either 50 ms or 500 ms. See also *Loop Response*
Restore	A report that is sent to the central station when a trouble/tamper condition is no longer active.
Restore Reporting	A menu option that causes restore events to be reported to the central station.
RF Jammed	The signal sent from an RF receiver to the control panel when the RF receiver has been jammed by an external RF source. This occurs when an RF source is above the RF jamming level for more than 30 seconds in a 60-second window. A restore report is sent to the central station when the signal from the RF receiver is no longer jammed.
RF Low Battery	A menu option that sends a report to the central station when a low battery condition occurs in an RF sensor. (System Reports) A menu entry that specifies the code (SIA/ContactID/FastFormat/200Bd FSK) or voice channel to be used for RF Low Battery events. (Report Codes)
RF Low Battery and Restores	A menu option that sends a report to the selected phone number when a low battery condition occurs in an RF sensor. A restore report is also sent when the low battery condition is no longer active. (Phone Number) A menu option that sends a low battery report to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
RF Receivers	A menu entry that groups options relating to RF receivers.
RF sensor	A sensor that transmits to the control panel via an RF receiver rather than being directly wired to the control panel.
RF Sensor Lost	A menu option that sends a report to the central station when an RF sensor is missing. (System Reports) RF sensors send out supervision signals every 15 or 64 minutes, depending on the frequency. An RF receiver must receive these signals within a specified time window. This window is set by the Supervision timer. If the RF receiver does not receive these signals during the time window, the RF sensor is considered missing. A menu entry that groups report codes sent to the central station when an RF sensor lost event occurs. (Report Codes)

Term	Definition
RF Sensor Lost and Restores	A menu option that sends a report to the selected phone number when an RF sensor is missing. A restore report is sent to the central station when the receiver receives a valid signal from the lost transmitter. (Phone Number) A menu option that enables RF sensor lost and restores reporting on a CS7001 GSM module depending on the condition of the panel dialler. (CS7001 GSM Module) See also *RF Sensor Lost*, *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
RF Signal	A menu entry that groups entries related to measuring RF signal strengths. See also *RSSI Value*
RF zone	A zone on the control panel with a learn-in wireless device, such as a keyfob, PIR, smoke detector or panic button. The control panel uses this zone number to reflect the state of the wireless device.
RF433 receiver	A type of RF receiver used with 433 Mhz.
RF868 receiver	A type of RF receiver used with 868 Mhz.
Rings to Answer	A menu option that sets the number of rings that must occur before the panel answers to start a download session. If the value is 0, the panel will never pick up the phone line. (Communications) A menu option that sets the number of rings that must occur before the panel answers to start a listen-in session. If the value is 0, the panel or the CS534 will never react to an incoming phone line and will never pick up the phone line. Regulations in some countries do not allow a call in from an installer or central station without approval by the end-user. In this case the Answer U/D Call or Begin U/D Call menu options should be used instead. (CS534 Listen-in Module)
Roller Shutter	A zone type used with roller shutter blinds. These zones can be used only on the control panel. They cannot be used on a CS208/CS216 input expander.
RS232 cable	A serial cable that connects the computer to the control panel.
RSSI Check Zone	A menu option that sets the zone number on the selected RF receiver. The RF receiver stores the signal strength of the transmission it receives from the sensor in this zone. To read the signal strength, open and close the zone and then select the RSSI Value menu option. • Values between 1 and 5: The detector will not work properly and must be moved to another location. • Values between 6 and 10: The detector will work but ideally should be moved to another location. • Values between 11 and 20: These are low values but the detector will still work properly. • Values between 20 and 50: These are normal working values for detectors located at a longer distance from the Receiver. • Values above 50: Perfect conditions.
RSSI Value	Remote Signal Strength Indication Value. This is a measure of the RF reception and is similar to the indication on a mobile phone. A menu entry that displays the RSSI value. The RSSI value is linked to the signal level of the GSM network. (CS7001 GSM Module) A menu entry that displays the RSSI value. The value is linked to the level of the signal between the wireless transmitters and the RF Receiver. (RF Receivers) See also *RSSI Check Zone*
S	
Schedule Times	A menu entry that groups entries related to automatic arming, opening and closing schedules.
Schedules	A menu option that selects the schedules that affect the selected output. A menu entry that groups scheduling options. These options set the times to start and end an operation. See also *Date of holidays*, *Only if Closed* and *Only if Open*
Segment	A unit of a programming function. Each segment has between one and eight bits of data. A segment can also contain numerical values.

Term	Definition
Send Code Entry Function	A menu option that enables the send code entry function for the selected proximity reader action. The actions are Single Badge, Double Badge and Badge Hold. This function sends the same command to the control panel, using the proximity card, as a keypad would send if a valid code were entered. For example, if the system is armed, the selected action disarms it.
Send Keypad Text	A menu command request sent by the home automation system to the control panel. It is used in terminal mode to allow the device connected to the serial port to put text on the keypad.
Send Restores	A menu entry that groups restore report options. Each option specifies a time at which the restore report is sent to the central station. Restores can be sent *As They Occur*, *At Disarm* or *For Zones On Siren Timeout*.
Sensor	A device that detects violations and reports them to the control panel. Sensors include door and window contacts or any device used to inform the control panel of a particular condition.
Sequential Programming	A menu option that allows a group of RF sensors to be enrolled in sequence. Once the first sensor (Start Learning sensor) is configured, the detectors are learned-in in sequence. The value of 'Start Learning' is increased automatically. This option allows easier programming.
Serial Number	A menu option that contains the GSM Engine Serial number. It is used for diagnostics only.
Serial Port	A menu entry that groups the settings of the on-board Serial RS232 port.
Service Check	A menu command that is used to verify service messages. The service message disappears when the installer enters and then leaves programming mode. If Master Code Resets Tamper Memory is enabled, a master user can reset the service message by entering a master user code. See appendix 5 in the *CS5500 Programming Manual* for more information on service messages.
Service Message	A menu option that enables or disables the service messages on the keypad. A message displayed on the LCD keypad informing the user or installer of a system fault. The service message disappears from the keypad when the installer enters and leaves programming mode. The message is used as an Engineer Reset.
Session Timeout	A menu option that defines how long the CS534 listen-in module remains on the phone line with no activity from the central station.
Set Date/Time	A menu command request sent by the home automation system to the CS586 direct connect module to set the time and date.
Set Languages	A menu option that selects the keypad language. There are four possible languages.
Set User Authority	A menu entry that groups home automation commands. The home automation protocol allows new users to be defined in the control panel. These commands specify the user's authority, for example, partitions and arm/disarm.
Set User Code	A menu entry that groups home automation commands. The home automation protocol allows new users to be defined in the control panel. These commands specify the user's code.
Short Blast On	A menu entry that groups internal sounder options. Each option specifies a time at which the sounder blasts. These options are: Arming, Exit Expiry, Closing Kissoff and Keyswitch Arming.
Short Window	A menu option that specifies the short supervision window for RF devices. RF devices on 433 Mhz typically report every 64 minutes. RF devices on 868 Mhz typically report every 15 minutes. Depending on the country regulations, this timer must be set to specific values. See also *Supervision*
Shutdown Message	A menu option that edits the message that is displayed on the keypad when the control panel is in shutdown mode. (Text) See also *System Shutdown*

Term	Definition
SIA	The Security Industry Association format. It is an FSK 300 baud format. SIA with Area Modifier is a version of the SIA format that sends partition information in addition to the event information. A special version of SIA, called XSIA, is used in Holland. XSIA combines user names and zone descriptors with the SIA codes when reporting events. The CSx75 range supports zone descriptors only. The zone descriptors are obtained from the first language of the keypad with module number 192 or, in other words, from the first keypad in the first partition.
SIA Code	A menu option that sets the SIA code reported for the selected zone type. (Report Codes) A menu option that sets the SIA code reported for the autotest event. (CS7001 GSM Module>Autotest) A menu option that sets the SIA code reported for the bus communication error event. (CS7001 GSM Module>GSM Options)
Silent Auto Arm	A menu option that arms the system automatically at a preset time without the keypad buzzer sounding.
Silent Exit	A menu option that prevents the exit time buzzer activating when the system is armed or during the re-exit time. This option is activated by the user at the time of arming and is only active during this exit delay.
Silent Exit Always	A menu option that prevents the exit time buzzer activating whenever the system is armed or during the re-exit time.
Silent Keypad	A menu option that silences the keypad's entry/exit sounder and chime only.
Silent PA (7+9)	A menu option that prevents all audible and visual indications when a personal attack alarm occurs.
Silent panic	See *Silent PA (7+9)*
SIM Card Blocked	A GSM menu option that indicates that the SIM card has been blocked and cannot access the system.
SIM Card Trouble	A GSM menu option that indicates that there is a problem with the SIM card.
SIM PIN Accepted	A GSM menu option that indicates that the PIN number for the SIM card has been entered correctly.
SIM PIN Code	A GSM menu option that displays the PIN code used to verify the user.
Single Badge	A menu entry that groups the functions activated by holding a proximity card once against the proximity reader. (Badge Functions) A menu option that sets the X-10 function sent when a proximity card is held against the proximity reader once. (X-10 Functions)
Single Event Message	A menu command that records a single event message. This message is sent by the CS535 voice module and states the event that has occurred. (Recording) A menu command that plays back a single message. (Playback)
Siren blast	A control panel sounder that is activated when the panel is armed, at the end of the exit delay or when the central station receiver acknowledges the closing report. It can also be activated for wireless arming and disarming.
Siren Supervision	A menu option that monitors the siren to detect cut wires. If the wires are cut, the control panel sends a report to the central station.
Siren Tamper	A menu entry that groups report codes sent to the central station when a siren tamper has occurred.
Siren Tamper/Trouble	A menu option that sends a report to the central station when a CS320 power module siren tamper or trouble condition occurs.
Siren/Phone Faults and Restores	A menu option that sends a report to the selected phone number when a siren or phone fault occurs. A restore report is sent when the fault is fixed. (Phone Number) A menu option that sends siren/phone faults and restore reports to the central station depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Sirens	A menu entry that groups together the siren events that can be selected to trigger an output. (Event)

Term	Definition
SMS Format	A menu option that specifies the SMS format used for reporting with the GSM module. The SMS format can be: Separate Events, Combined events, or SIA with Area Modifiers. See the *GSM Module Installation Manual (CS7001)* for more information.
SMS Service Center Address	A menu option that specifies the address of the service centre to which the CS7001 GSM module sends SMS messages.
Software Revision	A menu option that displays the current software version of the selected component.
Sound	A menu entry that groups sounder characteristics for a particular zone type. These characteristics determine the sounds produced by the sirens and keypads when the selected zone is activated.
Sound On	A menu entry that groups the events that activate the keypad sounder.
Sounder Alert	A menu option that activates the keypad buzzer when a user arms the system with one or more zones bypassed.
Sounders	A menu entry that groups timers for the internal siren, external siren and chime duration on the keypad.
Sounds	A menu entry that groups sounder characteristics for the current keypad. It defines the events that activate the keypad buzzer.
Sounds On	A menu entry that groups events that activate the internal siren.
Speaker Lockout	A menu option that prevents the central station turning on the speaker at the premises if a duress, silent panic or hold-up alarm is reported by the control panel.
Speed	A menu option that sets the data communications speed from the computer to the control panel. This can be set from 600 baud to 76.8k baud. It is recommended to use the default setting of 9600 baud. (System Settings) A menu option that sets the data communications speed from the CS586 direct connect module to the control panel. This can be set from 600 baud to 76.8k baud. It is recommended to use the default setting of 9600 baud. (CS586 Direct Connect Module)
Split/multiple reports	The CSx75 can be configured to report events to one or more phone numbers. Each phone number has an event selector to program which events are reported to each number. See *Setting up a communicator* in the *CS5500 Programming Manual* for more information.
Start Learning	A menu command that triggers the learn-in mode. See the *Installation Manual* for more information.
Start Programming	A menu entry that groups the reporting codes sent to the central station when programming starts.
Start Zone	A menu option that specifies the first zone number of zones on the RF receiver.
Start/End Programming	A menu option that causes reports to be sent to a specified phone number. A report is sent when local programming begins and ends.
Status Check	A menu option that allows the end-user to verify the system status using a touch phone. This option enables level 7. (CS534 Listen-in Module) A menu entry that groups the status indicators for GSM events. (CS7001 GSM Module)
Store Comms Event	A menu command that allows a device connected to the serial port to send reports to the central station using the controls modem.
Summer/Winter Time	A menu option that allows automatic switching of summer and winter time.
Supervised	A menu option that enables supervision of the selected RF sensor.

Term	Definition
Supervision	A menu entry that groups wireless supervision options. There are three options: Short Window, Normal Window and Fire Window. PIR and door/window sensors follow short and normal windows. If a PIR or door/windows sensor does not report within the time specified in Short Window, the system does not allow the user to arm the system. However, an RF Sensor Lost condition is not reported to the central station. If a PIR or door/windows sensor does not report within the time specified in Normal Window, an RF Sensor Lost condition is reported to the central station and a service message is displayed on the keypad. The short and normal window timers are configured differently according to country and frequency. 868 Mhz transmitters typically report every 15 minutes while 433 Mhz transmitters typically report every 64 minutes. When the Arming with Zone Lost option is enabled, the user is always allowed to arm the system even if the PIR or door/window sensor does not report within the short window. Smoke detectors follow the fire window. 433 Mhz and 868 Mhz smoke sensors report every 64 minutes. Smoke detectors follow supervision windows only and report to the central station when not reporting within the fire window. See also *Arming with Zone Lost*
Swinger Shutdown	A zone characteristic that allows the selected zone to be automatically bypassed after a specified number of alarms. (Input Type) A menu entry that contains the swinger count. (Inputs)
System Reports	A menu entry that groups options relating to system reports.
System Settings	A menu entry that groups programmable system features and reporting options.
System Shutdown	A menu option that allows the up/download software to shutdown the control panel. This option can be set only from the up/download software. The shutdown LCD message is shown to explain the reason for the shutdown. During shutdown the system is completely inactive. It is not possible to arm/disarm the system and no reports or sirens are activated.
System Status	A menu request sent by the home automation system to the CS586 direct connect module to view the system status of the entire system. (Commands/Requests) A menu command request sent by the home automation system to the CS586 direct connect module to transmit the system status. (Transition Broadcasts)
T	
Tamper loop	A loop set to detect interference with the hardware. It is generally a monitor circuit used to detect any attempt to modify the alarm circuitry, such as cutting a wire. It generates a tamper alarm when activated.
Tamper switch	A switch that detects attempts to remove the enclosure of some alarm components, such as control box doors, switch covers, junction box covers, or bell housings.
Tamper/Trouble	A menu entry that groups together the tamper and trouble events that can be selected to trigger an output. (Event) A menu entry that groups together the tamper and trouble events that are reported to the central station. (System Reports)
Tampers	A menu option that activates the internal siren when a tamper occurs. (Internal Siren>Sounds On) A menu option that sends a report to the central station when a tamper occurs. An alarm is activated and the state of the area may change to alarm.
Tampers and Restores	A menu option that sends a report to the selected phone number when a tamper occurs. A report is also sent when the tamper is no longer active. (Phone Numbers) A menu option that sends tamper and restore reports to the central station, depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*

Term	Definition
Telephone line monitor	A menu option that monitors the voltage and current of the telephone line to detect a faulted phone line. If a fault is found, the panel sends a report to the central station when the phone line fault is fixed and the phone line can be used again.
TELIM Channel	A menu option that specifies that the TELIM channel format is used to report the selected zone, zone type or event.
Temporal Siren - Fire	A menu option that sets whether a zone type activates a fire or a burglary siren.
Test Reports	A menu option that sends a test report to the selected phone number at pre-programmed intervals. The units can be set in days or hours. (Phone Numbers) A menu option that sends a test report to the central station at pre-programmed intervals depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Tests	A menu entry that groups settings related to different tests. These include tests such as automatic test calls, dynamic battery tests and so on.
Text	A menu entry that groups the language options of the current keypad. It allows the installer to set options such as zone name descriptors and user names.
This Keypad	A menu entry that groups the settings of the current keypad. It allows resetting of the keypad, configuration of keypad features and verification of software version and models.
Time	A menu option that sets the length of time for which an output is activated. If it is set to 0, the output follows the event.
Time Since Test	A menu option that sets the length of time since the last test. It forces the next test report to be sent to the central station at less than the full interval. See also *Interval*
Time Unit	A menu option that specifies whether the outputs are timed in minutes or seconds.
Timers	A menu entry that groups timer options.
To All Keypads	A menu option that specifies that the current keypad settings are copied to all connected keypads.
To One Keypad	A menu option that specifies that the current keypad settings are copied to one specific keypad.
Tone sniff answering machine defeat	See *Answer Machine Defeat*
Tones	Audible indicators sounded by the system that can be heard at the central station during a two-way session.
Transformer Size	A menu option that specifies the size of the transformer that is used. There are two possibilities: 25 VA or 40/50 VA. Depending on the setting, the power supply of the CS275, CS575 and CS875 can deliver 0.5 A (25 VA setting) or 1 A (40/50VA setting) on the AUX terminals. If this is not sufficient, additional CS320 power modules can be used.
Transition Broadcasts	A menu entry that groups methods of sending updated information to the home automation system from the RS232 interface.
Trouble	A zone type that sends an alarm when the system is armed and trouble when the system is disarmed.
Trouble conditions	Faults detected by the system. Trouble conditions include; tamper, hardware, low battery and loss of supervision.
Two-way mode	See *Two-way session*
Two-way session	A session between the central station and the premises. During this session, the central station can send and receive audio information to and from the premises. The session is controlled from the central station using key presses on a touch-tone telephone.
Type	A menu option that specifies the type of GSM engine used.
U	
Up/Download	A menu entry that groups options used to control download sessions between the up/download software and the control panel.

Term	Definition
Up/download software	Management software that can read the system programming information (upload) or modify or replace the information if necessary (download).
Upload	The process of retrieving information from a computer running the up/download software.
User	A person who is authorised to operate the alarm system. A user can operate the system through a user device such as a keypad or keyswitch.
User Card Programming	A menu option that defines the access card readers that can enrol or program cards.
User Code	A four or six-digit code used to arm/disarm and access the system.
User Info Request	A menu command that allows the device connected to the serial port to read out the programmed settings for a particular user. This can be activated with a PIN or without a PIN. This is a home automation command. See also *With PIN* and *Without PIN*
User menu	The menu displayed when a user code is entered.
User Names	A menu option that specifies a name for each user code. The maximum length of a user name is 15 characters.
User Phone Editing	A menu option that allows the user to change the phone numbers used for alarm reporting. Typically, the installer programs the central station phone numbers and is the only person who can change the number. However, when voice protocol and siren protocol are used, the user can change the phone number. These protocols typically report to the homeowner's mobile phone rather than to the central station.
Users	A menu option that specifies the zone or user number that triggers the output on the expander module or power module. (CS507 Output Expander) (CS320 Power Module)
V	
Version	A menu option that displays the current software version of the selected component. This is available for all expansion modules, keypads and the control panel.
Voice Channel	A menu option that sets the voice message to be reported for the selected zone type or event. The channel corresponds to one of the 15 pre-recorded voice messages. See the *CS5500 Installer Manual* for more information on the voice module. See also *All in Sequence*
Voice Module	See *CS535 Voice Module*
Voice/Siren Dial Attempts	A menu option that specifies the number of dial attempts (1 to 15) that the communicator makes for voice dialing, pager or Siren Tone formats.
Volumes	A menu entry that groups options to adjust levels used with the CS534 listen-in module.
W	
Walktest	A menu option that enables walktest mode. This mode allows an authorised user to test the detection devices and to verify that all zone inputs operate correctly.
When Armed	A menu option that specifies if the selected feature is active when the system is in an armed condition.
When Disarmed	A menu option that specifies if the selected feature is active when the system is in a disarmed condition.
Window	The period of time within which an operation, function or event must occur. If the event misses the window, the event is invalid.
Wireless zone	See *RF zone*
With PIN	A menu command request sent by the home automation system to the CS586 direct connect module to grant user access with a PIN number only.
Without PIN	Command request sent by the home automation system to the CS586 direct connect module to grant user access without a PIN number.

Term	Definition
Word Library	A menu option that enables the word library. This is a predefined collection of words that speed up text editing. As the user/installer types a character, the keypad automatically displays a matching word. The word library is enabled by default.
Wrong PIN Digit Entries	A menu option that specifies the maximum number of incorrect digits that can be entered for call-back and call-in features before the panel is locked out.
X	
X-10 Address	A menu option that sets the address of an X-10 device. This is a unique number assigned to an X-10 device. It consists of the module number and house code. The system uses this address to identify the device.
X-10 Devices	A menu entry that groups X-10 device options for the selected keypad. (This Keypad) A menu entry that groups X-10 device options for the selected listen-in module. (CX534 Listen-In Module)
X-10 Function Logged Code Entry	A menu option that activates an X-10 function when a proximity card is held near the CS1700 proximity reader.
X-10 Functions	A menu entry that groups X-10 device information and the functions for the selected CS1700 proximity reader. The X-10 functions are linked to the access reader. It is possible to control X-10 devices using the badge on the card reader. It is also possible to configure the actions that are activated by each card action. • 0 All units off • 1 All lights on • 2 On • 3 Off All others • 4 Dim • 5 Bright • 6 All lights off
X-10 Message	A menu option that enables X-10 message transition broadcasts. (Transition Broadcasts) A menu option that enables the control panel to respond to X-10 message commands sent by the home automation system. (Commands/Requests)
Y	
Yelping Siren - Burglary	A menu option that sounds a yelping siren when a burglary zone is activated.
Z	
Zone Bypass	A menu option that that sends a report to the central station when zones are bypassed.
Zone Bypass and Restores	A menu option that sends a report to the selected phone number when a zone is bypassed. A report is also sent when the zone is restored (un-bypassed). (Phone Numbers) A menu option that sends a report to the central station when a zone is bypassed. A report is also sent when the zone is restored. These reports are sent depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Zone Bypass Toggle	A menu option that enables the control panel to respond to zone bypass toggle commands sent by the home automation system. (Commands/Requests)
Zone Inact. Unit	A menu option that allows the zone inactivity option to be configured in hours or days.

Term	Definition
Zone Inactivity Monitor	A zone characteristic that sends a report to the central station when the zone does not change conditions within a specified time period. (Zone Types) A menu option that sends a report to the selected phone number when a zone inactivity event occurs. (Phone Numbers) A menu option that sets the zone inactivity time. It is possible to specify this time in minutes or hours. (Timers) A menu option that sends a report to the central station when a zone inactivity event occurs, depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Zone Lost Gives Tamper	A menu option that sends a report to the central station when a wireless zone sensor is lost and activates a tamper alarm. Different reports are sent depending on the system status. When armed the tamper and the lost report are sent. When disarmed only the lost report is sent.
Zone Name	A menu option that allows the installer to define names for each installed zone. For example, Zone 1 can be named Living Room PIR. (Zones) A menu option that enables the home automation system to change zone names on the control panel. (Commands/Requests)
Zone Names	See *Zone Name*
Zone Restore	A menu option that sends a report to the central station when zones are restored.
Zone Snapshot	A menu option that allows the control panel to send a snapshot of the current status of the zones. A snapshot sends the tripped, bypassed, trouble/tamper and alarm memory state for sixteen zones. This is done on a zone-by-zone basis. (Transition Broadcasts) A menu option that enables the control panel to respond to zone snapshot requests sent by the home automation system. (Commands/Requests)
Zone Status	A menu option that sends the entire status for one zone. (Transition Broadcasts) A menu option that enables the control panel to respond to zone status requests sent by the home automation system. (Commands/Requests)
Zone Tamper	A menu option that sends a report to the central station when a zone tamper occurs. (Communications>Reporting) A menu entry that groups report codes that are sent to the central station when a zone tamper event occurs. (Report Codes)
Zone Trouble	A menu option that sends a report to the central station when a zone trouble condition occurs. (Communications>Reporting) A menu entry that groups report codes that are sent to the central station when a zone trouble condition occurs. (Report Codes)
Zone Trouble and Restores	A menu option that sends a report to the selected phone number when a zone trouble condition occurs. A report is also sent when the trouble condition is no longer active. (Phone Numbers) A menu option that sends zone trouble and restore reports to the central station, depending on the condition of the panel dialler. (CS7001 GSM Module) See also *Panel Dialler OK Events* and *Panel Dialler Not OK Events*
Zone Type	A menu option that specifies the zone type of a particular zone. There are 20 different zone types. The default zone types can be customised.
Zone Type Name	See *Zone Type Name*
Zone Type Names	A menu option that allows the installer to define names for each installed zone type. For example, Type 1 can be named Burglary A Alarm, Type 2 can be named Fire Alarm, Type 3 can be named Entry/Exit and so on.
Zone Types	A menu entry that groups zone type characteristics and allows the installer to select a pre-defined zone type. There are 20 pre-defined zone types. The characteristics of each zone can be changed. For example, if a keypad beeps, if the zone is a delay 1 or delay 2 zone, a 24-hour zone and so on. (Inputs) A menu entry that groups all reporting codes for the selected zone type. (Report Codes)

Term	Definition
Zone/User	A menu option that sets the zone/user number that is used to send an SIA message when a Bus communication error occurs. The parameters, SIA Code, Partition and Zone/User provide flexibility to define the SIA Code and partition and zone/user. For example Ri1/ET01. (Bus Comm Error) A menu option that specifies that the selected event must occur on a specific zone or by a specific user. (CS507 Output Expanders)
Zones	A menu entry that groups zone options. A zone is an area guarded by a group of one or more detection devices. It represents a single input in the system.

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