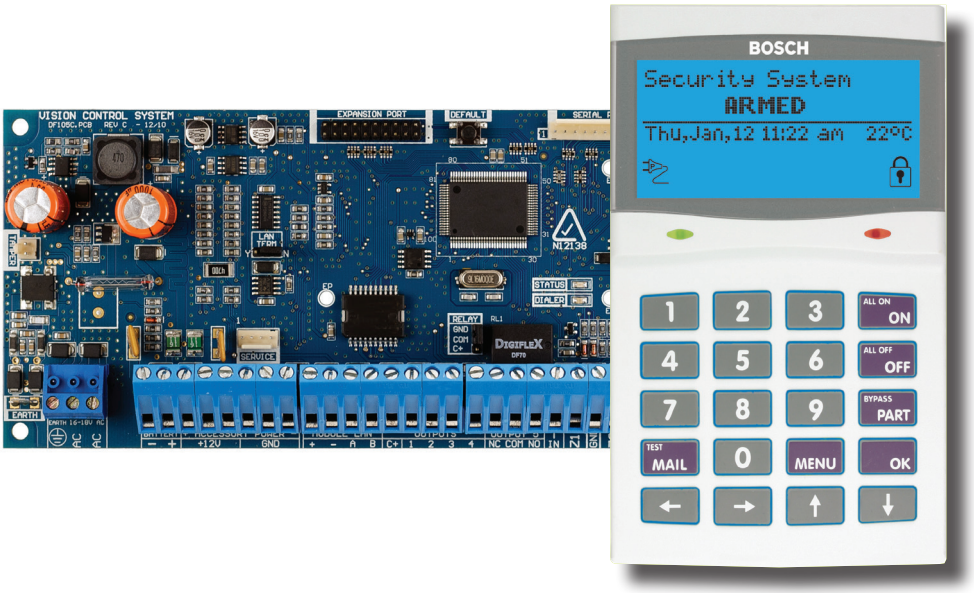
Solution 6000



Security Systems

EN | Quick Start Guide
Security System

BOSCH

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Telepermit Note

The grant of a Telepermit for a device in no way indicates Telecom acceptance of responsibility for the correct operation of that device under all operating conditions.

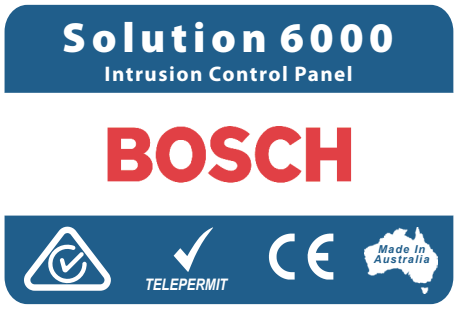
This equipment shall not be used in any manner that could constitute a nuisance to other Telecom customers.

Immediately disconnect this equipment should it become physically damaged, and arrange for its disposal or repair.

The transmit level from this device is set as a fixed level and because of this there may be circumstances where the performance is less than optimal. Before reporting such occurrences as faults, please check the line with a standard telepermitted telephone.

Warnings

1. This product must be installed by a qualified and licensed security installer.
2. This product may not perform as expected if installed incorrectly.
3. Some features of this product, including but not limited to Back to Base reporting, SMS and Email Reporting and Automatic Time and Date Adjustments require a working telephone line to operate and telephone communication service provider charges are applicable.
4. Australian standard AS 2201 requires regular service by qualified and licensed security persons and regular user testing. Please consult your security alarm company for further details.
5. Incorrect programming of parameters can result in operation contrary to what may be desired.
6. Leave the mains adapter plugged in at all times.
7. Leave the telephone line plugged in at all times under normal conditions.
8. The Product Identification Label for this product which is supplied in the resistor pack, must be affixed to the outside of the enclosure during installation.



9. This equipment shall not be set up to make automatic calls to the Telecom '111' Emergency Service.

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Features

Listed below are the main features of the Solution 6000 Control Panel.

- Individual Box Tamper Circuit Monitoring
- Report Via Email (Internet)
- Telephone Line Busy Tone Detect
- RAS Intelli-Connect® CLI Caller Line Identification
- Daylight Savings
- Senior Watch
- GSM/GPRS/Ethernet Reporting Options
- System Maintenance Interval Reminder
- System Weekly Test Reminder
- Area Inactivity Interval
- Up to 16 Access Doors
- Temporary PIN
- Dual Reporting
- Dual Redundant Reporting
- Alarm Report Abort/Cancel Options
- 8 Programmable Holiday Calendars
- 16 Programmable TimeZones
- 8 On-board Zones (Single EOL) / 16 On-Board Zones (Dual EOL)
- Expandable To 144 Zones)
- Fire Alarm Verification
- 990 PIN Users
- 4 Supervised High Power Digital Outputs
- 1 Relay 2 Amp Form (C) Contact (Expandable to 32)
- Supervised Siren Driver
- Partitionable To 8 Areas
- Dialler Reports SIA, Contact ID, SMS and Email Formats
- Supervised LAN Keypads (Maximum 16 Keypads)
- Keyswitch Input
- 1000 History Event Memory
- EMI / Lightning Transient Protection
- Fully Menu Text Programmable
- Programmable Via Solution Link Software (Remote/ Direct)
- Telephone Line Fail Monitor
- TimeZone Executed Functions
- 60+ Output Event Types
- Exit Restart
- Expansion Module Supervision
- DTMF Tone Decoder Built In
- Remote Arming
- Fingerprint Reader Options

Overview

Zones

The Solution 6000 control panel provides up to 144 separate zones of protection. Zone programming determines the panel's response to open/short and tamper conditions on the zone loop.

Areas

The control panel supports up to 8 separate areas. You can assign all zones to a single area, or you can assign each zone to a combination of different areas.

You can arm and disarm the control panel by area, alternatively, you can arm and disarm several areas at the same time.

Dialler

The control panel has a built-in dialler to send reports to the receiving party (ie. Security company monitoring station, mobile phone etc).

Keypads

You can connect a maximum of 16 fully supervised keypads to the control panel. The available current affects the total number of keypads that you can connect without the need to provide additional power supplies.

History Log

The control panel can store up to 1000 history events from all 8 areas. All events are stored in the log, even if they are programmed not to report via the on-board dialler.

You can view the control panel's history log via keypad, or by connection of a personal computer (direct/remote) using the SolutionLink upload/download software.

Programming

You can program the Solution 6000 either by a keypad or using a personal computer using the Solution Link upload/ download software.

About The Panel

Enclosures

The MW720B - Small Enclosure and MW730B - Large Enclosure have been designed to reduce installation time and improve aesthetics on larger installations where often multiple enclosures need to be located in close proximity to each other.

A number of new features have been incorporated including a new style tamper bracket which can be easily installed before or after the enclosure is mounted to the wall, an anti tamper lid which insures the cabinet tamper triggers when the lid is removed, easier access for flexible and rigid conduits, additional 20mm cable entry knockouts and a new board mounting system using removable spring clips.

The MW720B and MW730B enclosures include numerous holes, allowing the PCB mounting clips to be positioned in the most appropriate location for each installation.

Note ***For ease, it is recomended that the PCB mounting clips are installed from the rear of the enclosure before mounting it to the wall.***

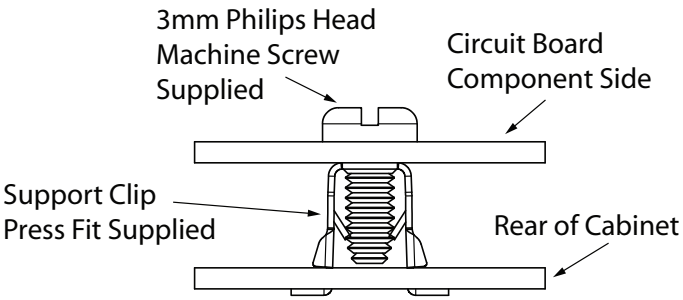


Figure 1: PCB and Mounting Clip Installation Diagram

Enclosure Fixing Method

CM720B - Small Enclosure

Use appropriate fasteners capable of handling a minimum of 6kg to fix the cabinet against a sturdy surface using the mounting holes provided.

CM730B - Large Cabinet

Use appropriate fasteners capable of handling a minimum of 12kg to fix the cabinet against a sturdy surface using the mounting holes provided.

Installing The Tamper Switch

The tamper switch can be located on either the left or right hand side of the cabinet to suit the installation. Before installing the bracket, fit the tamper lead to the switch and then insert it into the bracket.

Once the enclosure has been mounted to the wall, insert the tamper bracket into the rectangular hole in the top flange of the enclosure and then slide the base of the bracket toward the top until the tamper switch locates in the rear of the enclosure.

Depress the tamper a few times with your finger to ensure smooth operation.

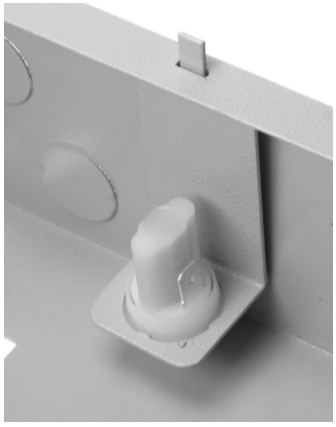


Figure 2: Tamper Bracket Installation

Enclosure Module Spaces

The MW720B enclosure has space for 2 large modules or 4 small modules while the optional MW730B enclosure has space for up to 4 large modules or 8 small ones. The enclosures have been designed so that any combination of large and small units can be neatly mounted together on the wall.

Each module is mounted to the enclosure using 4 or more clip in standoffs. The clips can be inserted from the rear of the enclosure before mounting it to the wall, or from the front of the enclosure after it has been mounted. Both methods should be performed using your finger tips to prevent damage to the standoff. (Standoffs and screws are supplied with each module).

All compatible add on modules will mount on these spaces. See below for list if modules which can be added to the control panel.

Module	Space Occupied
Solution 6000 Control Panel	2 Module Spaces
CM704B Zone Expander	1 Module Space
CM705B Universal Expander	2 Module Spaces
CM710B Output Expander	1 Module Space
CM720B LAN Power Supply	1 Module Space
CM760B Real Time Clock	1 Module Space
CM797B LAN Isolator Module	1 Module Space
CM195 RF Receiver Expander	1 Module Space

Table 1: Expansion Options

Use the above table to help determine which size cabinet you will require for the job.

On some export models, one module space will not be available as the mains transformer mounts in this location.

Installing Panels and Modules

Once the enclosure is secured in place, install the panels and modules onto the mounting clip using the supplied 3mm screws. Do not over tighten the screws.

When fitting panels or large modules, you should use 5 mounting clips, one in each corner of the PCB and one in the middle of the PCB underneath the main terminal blocks. When mounting small modules, only 4 clips are required, 1 in each corner.

Both enclosures are supplied with tamper switches, tamper leads, tamper brackets and a quantity of mounting clips and screws. If required, additional mounting clips and screws may be purchased in bags of 50 clips (10 packs x 5pcs). (P/N: MW890)

The supplied mounting clips are designed to use the 3mm machine screws supplied with the enclosure. The use of self tapping screws will damage the clips.

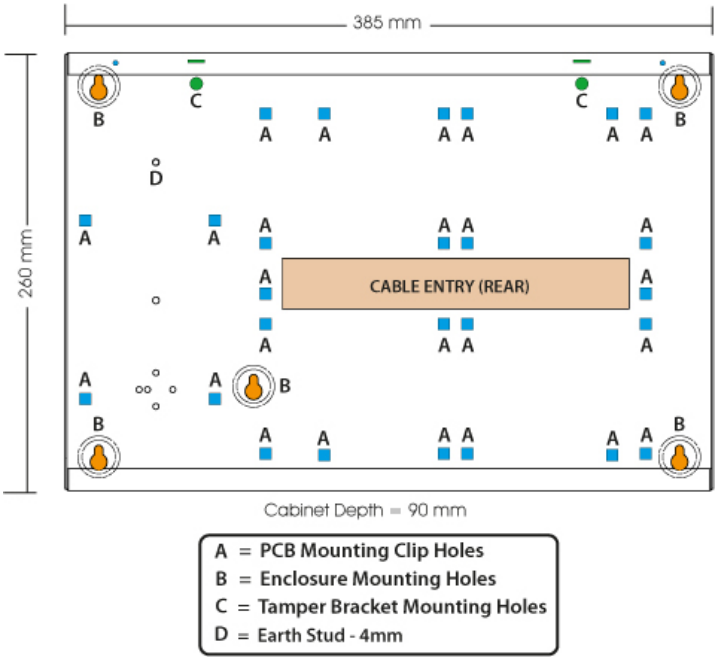


Figure 3: MW720B - Small Enclosure Details

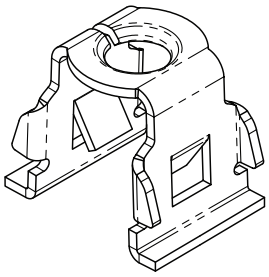
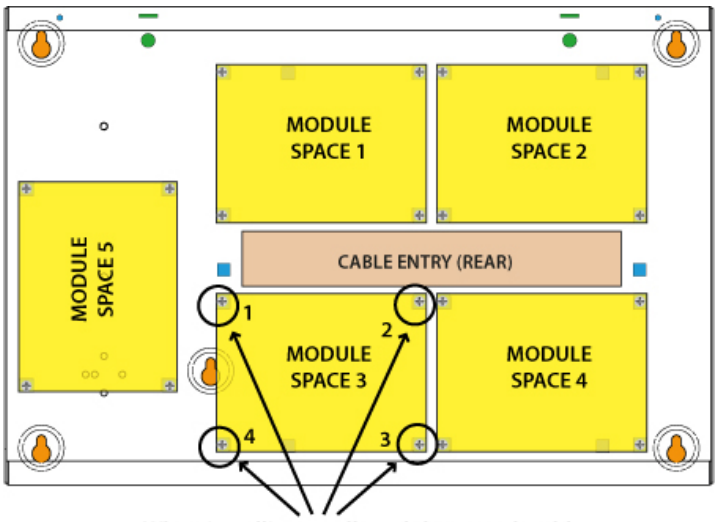
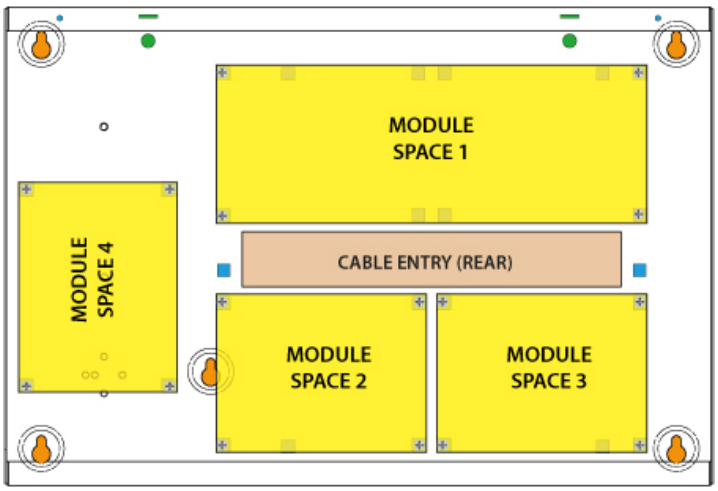


Figure 4: PCB Mounting Clip

The following example shows the MW720B - Small enclosure configured using 4 small modules.



When installing small modules, you should fit 4 mounting clips as shown.



When installing large modules, you should fit 5 mounting clips as shown.
Clip 5 provides support under the main terminal block only. No screw is fitted.

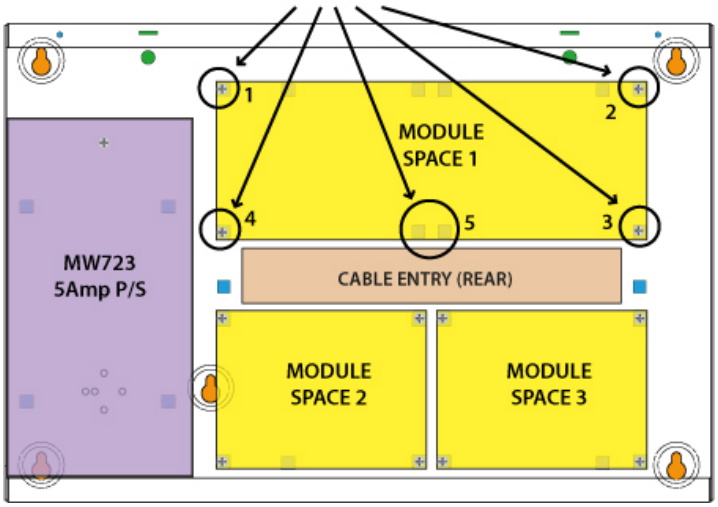


Figure 5: MW720B Configuration Examples

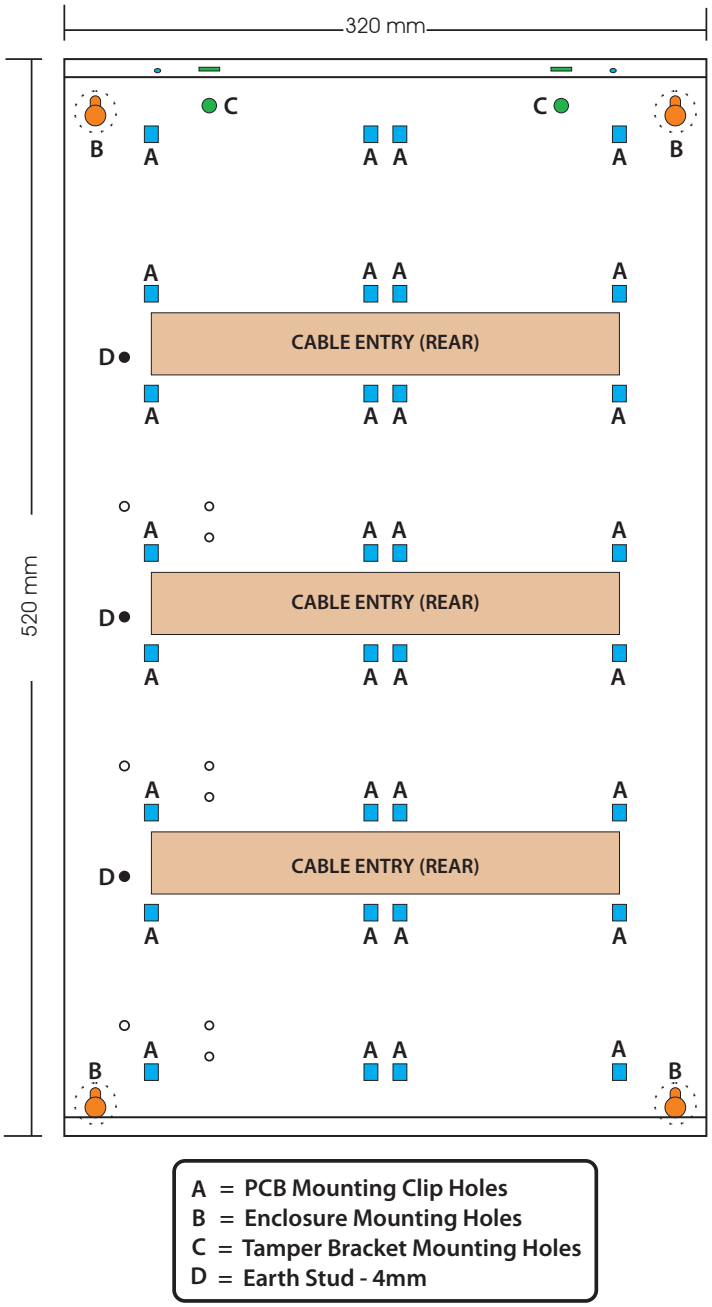
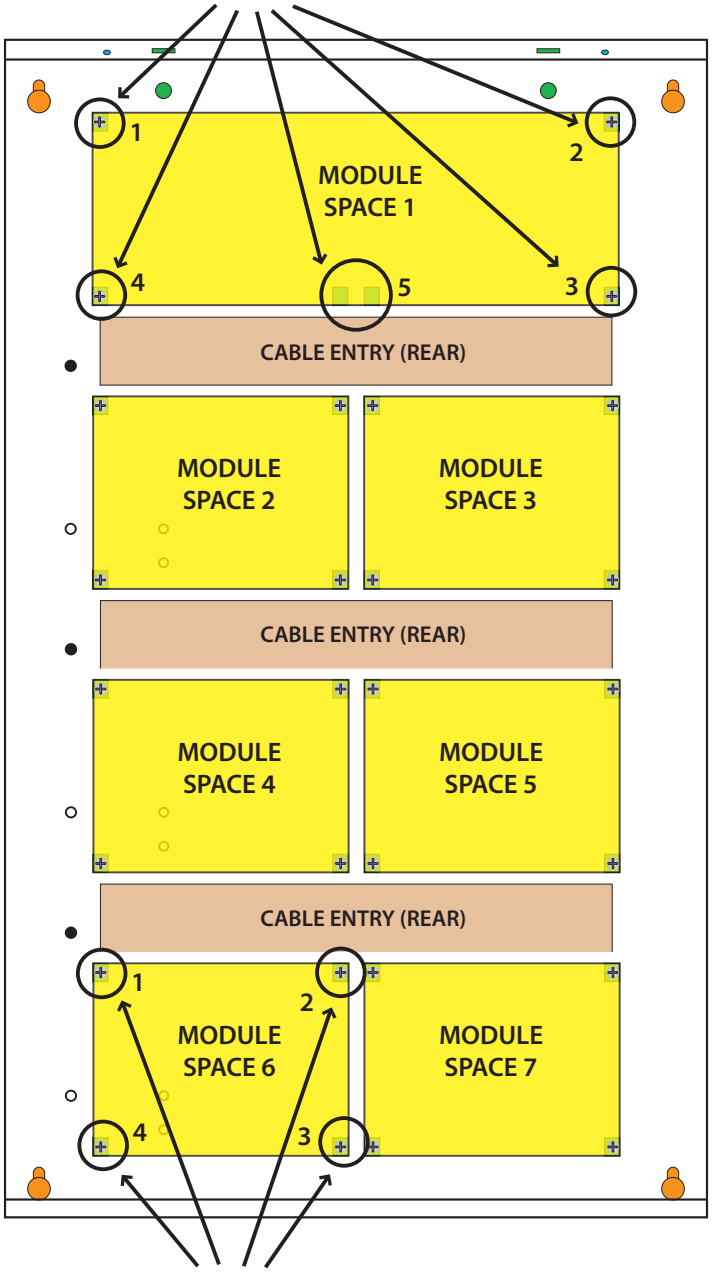


Figure 6: MW730B - Large Enclosure Details

The following examples show the MW710 -Large enclosure configured using 6 small modules and 1 large module.

When installing large modules you should fit 5 mounting clips as shown.
Clip 5 provides support under the main terminal block only. No screw is fitted.



When installing small modules, you should fit 4 mounting clips as shown.

Figure 7: MW730B Configuration Examples

Connecting Power To The Panel

For normal operation, the panel requires both AC and DC power sources. The AC source can be provided either by an external adapter or by an internal transformer depending on the model and country of sale.

When connecting using the AC adapter, feed the cable in to the enclosure and terminate the wires on the removable terminal block supplied before connection it to the PCB.

If using a 3 wire adaptor, then the earth wire should also be terminated onto the terminal block. Always check the orientation of the terminal block with the PCB markings before connecting it to the PCB.

Connecting The Battery

The panel is supplied with a set of battey leads to suit the chosen enclosure. Connect the RED battery lead to the battery (+) terminal and the BLACK battery lead to the battery (-) terminal on the PCB.

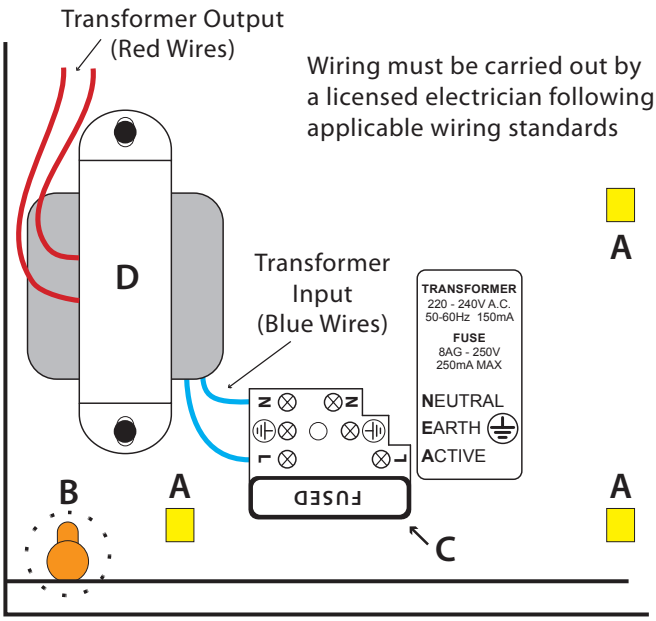
Once terminated onto the PCB connect the other end of the leads to the battery paying attention to the polarity.

AC Mains Transformer Option

On models with an internal transformer, a permanent connection shall be made to the mains supply. See Figure 8. This must be completed by a suitably qualified electrician according to the applicable wiring standards and regulations.

Next connect the transformer output wires (red) to the removable terminal block supplied and then connect it to the PCB. Always check the orientation of the terminal block with the PCB markings before connecting.

Note ***For permanently connected equipment, a readily accessable disconnect device shall be installed in a location near to the equipment.***



A = PCB Mounting Clip Holes
B = Enclosure Mounting Holes
C = Fused Terminal Block
D = Transformer

Figure 8: Internal Transformer Connection Diagram

Panel LED Indicators

The control panel PCB has two LED indicators (Dialler and Status LED's) which display the following information.

Condition	Meaning
Off	Offline
On	On Line (Dialling/Answered)
Flashing	Incoming Call

Table 2: Dialler Indicator LED

Condition	Meaning
Off	Error
On	Error
Flash Once Every 2 Seconds	OK
Flash Fast	AC or Battery Trouble

Table 3: Status Indicator LED

Note ***During factory defaulting the Status and Dialler LED indicators will flash alternatively for approximately 15 seconds.***

Wiring Diagrams

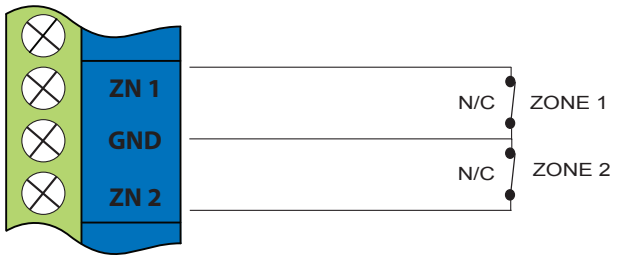


Figure 9: N/C No EOL Zone

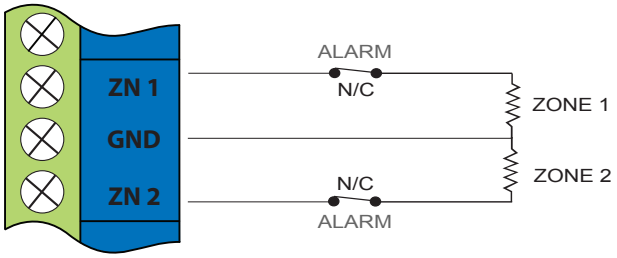


Figure 10: N/C Single EOL Zone

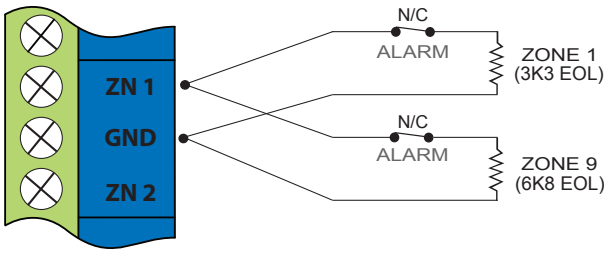


Figure 11: N/C Split EOL Zone

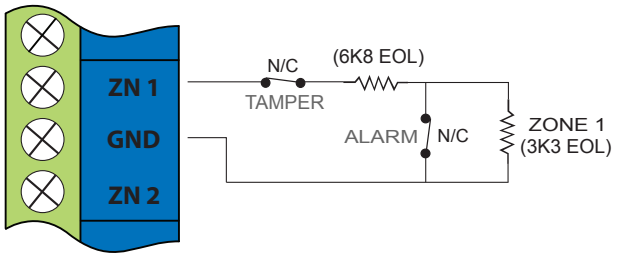


Figure 12: N/C Zone With Tamper

The above diagrams display zone configurations using Normally-Closed Alarm contacts and Normally-Open Alarm Contacts. When using Normally-Open Alarm Contacts you must select Inverted Seal for each zone in MENU 3-1-8. A shorted loop is a tamper condition for all EOL zone configurations.

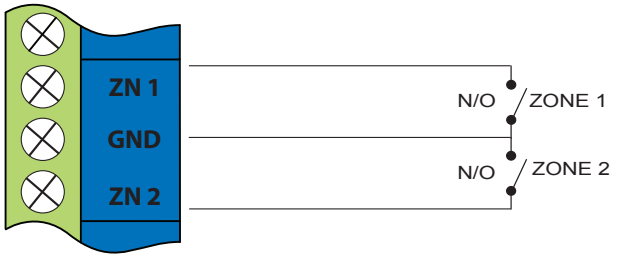


Figure 13: N/O No EOL Zone

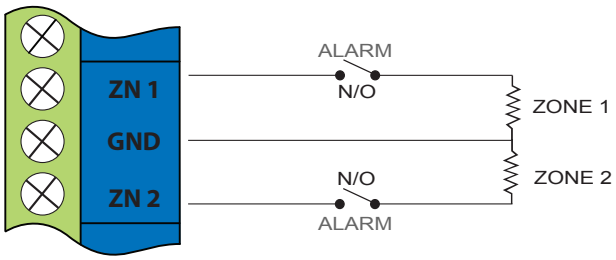


Figure 14: N/O Single EOL Zone

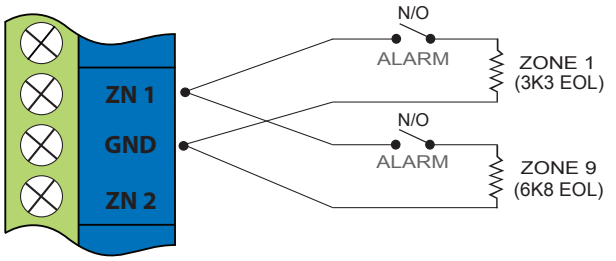


Figure 15: N/O Split EOL Zone

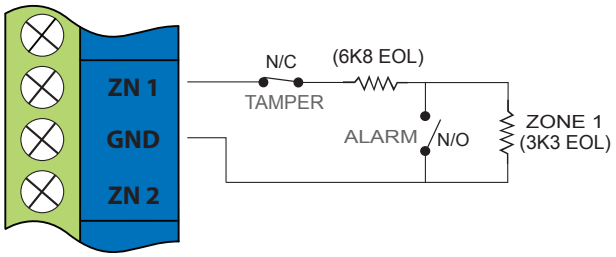
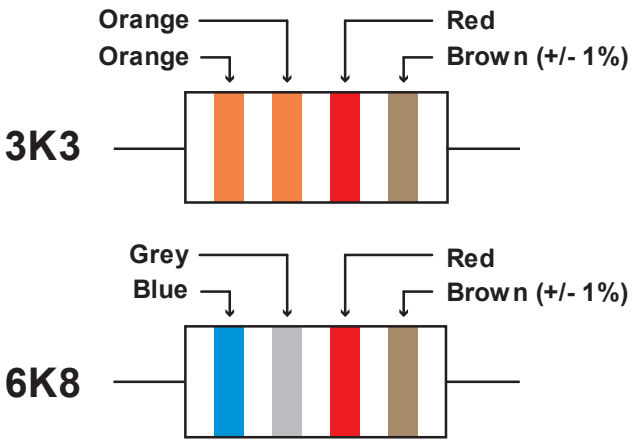


Figure 16: N/O Zone With Tamper

EOL Resistor Colours and Values

Use either the 4 colour, or solid colour resistors supplied.



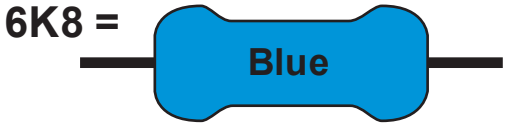


Figure 17: EOL Resistor Colour Chart

LAN Overview

The control panel communicates with other system module devices via the built in RS485 LAN or Local Area Network.

For increased security, the system uses anti-substitution technology and a proprietary data encryption algorithm to communicate with all LAN modules.

When using the recommended cable types the LAN can be up to 1200 metres in length, or even greater when LAN isolators are used.

See the CM797B LAN Isolation Module reference guide for more information on how to use LAN isolators to increase the overall LAN length, improve surge immunity protection and prevent earth loops.

Note

It is recommended that one or more CM797B Isolators be used when connecting the LAN between multiple buildings.

LAN Wiring

Figure 18 and Figure 19 show the two recommended module connection diagrams.

The method shown in Figure 18, is only recommended for use where the total LAN length is 300 metres or less and the system is not installed in a electrically noisy environment. In this case it is possible to use 7/0.20 or 14/0.20 security cable (non twisted) provided that module voltage levels are maintained within specification.

The method shown in Figure 19, offers the greatest immunity to noise interference and voltage surges. This connection method is recommended where the total LAN length is greater than 300 metres. When using twisted pair cable the LAN length can be up to 1200 metres, and this can be extended even further when using LAN isolators.

The LAN can be wired using the daisy chain method as shown, where each module is wired back to the panel on the same cable run or using a star configuration, where individual modules are wired back to the panel on individual wires.

Un-shielded cable can be used successfully in many situations however for the highest reliability and performance in areas prone to frequent electrical storms or high levels of electrical interference, shielded twisted pair cable should be used.

LAN+ and LAN- should not be used to power detectors or other external devices. These devices should be powered from the +12V terminals on the panel or via an external power supply.

When wiring modules with built in power supplies like the control panel and the CM720B Power Supply, do NOT connect the EARTH wire from any 3 wire plug pack to the module's EARTH input terminal, if you have installed a separate communication earth wire.

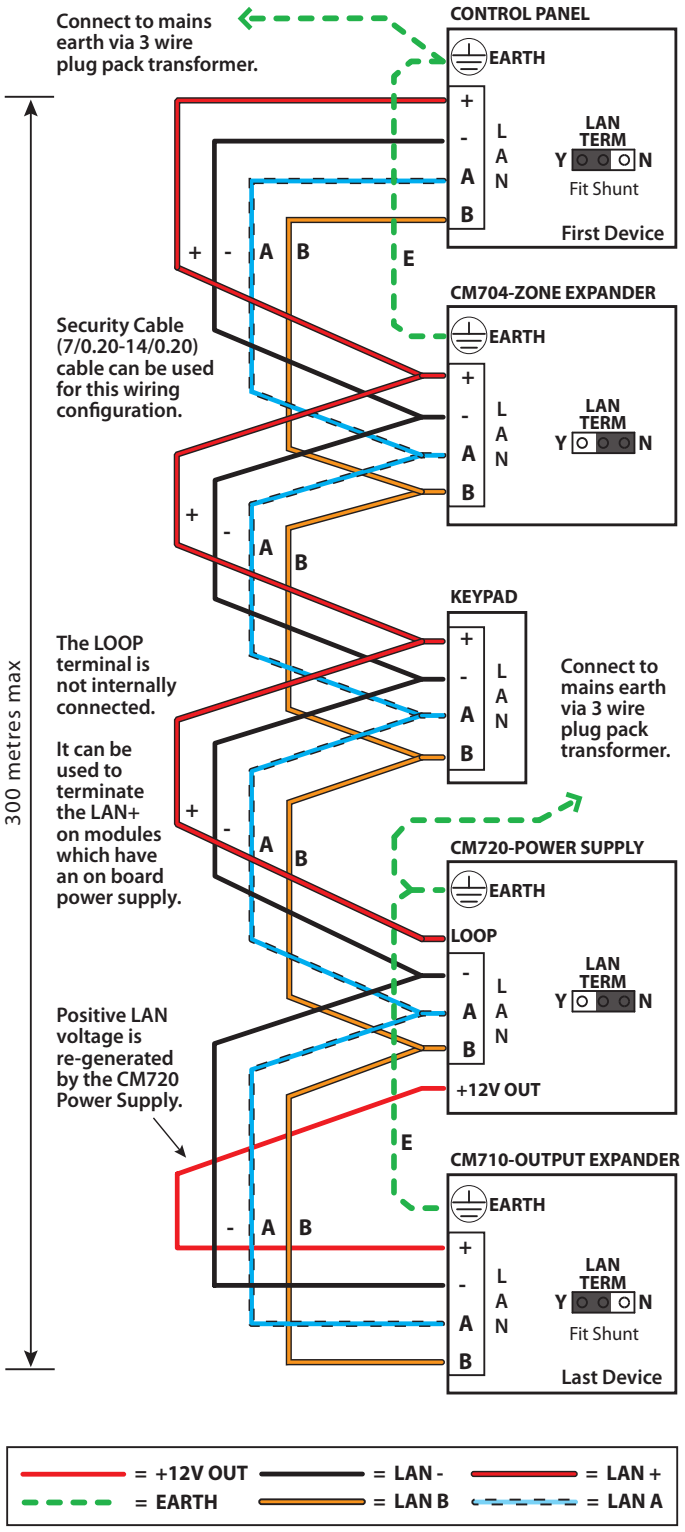


Figure 18: LAN Connection Using 2 Pair Security Cable

The LAN A and LAN B wires are not interchangeable. Make sure that the LAN A wires from all modules connect to LAN A on the panel and LAN B wires from all modules connect to LAN B on the panel.

Do not connect the positives of two power supply sources together. When wiring the LAN to modules that are self powered, or powered from an external source you should terminate the LAN+ into the terminal marked LOOP. This terminal is simply a termination point and is not internally connected.

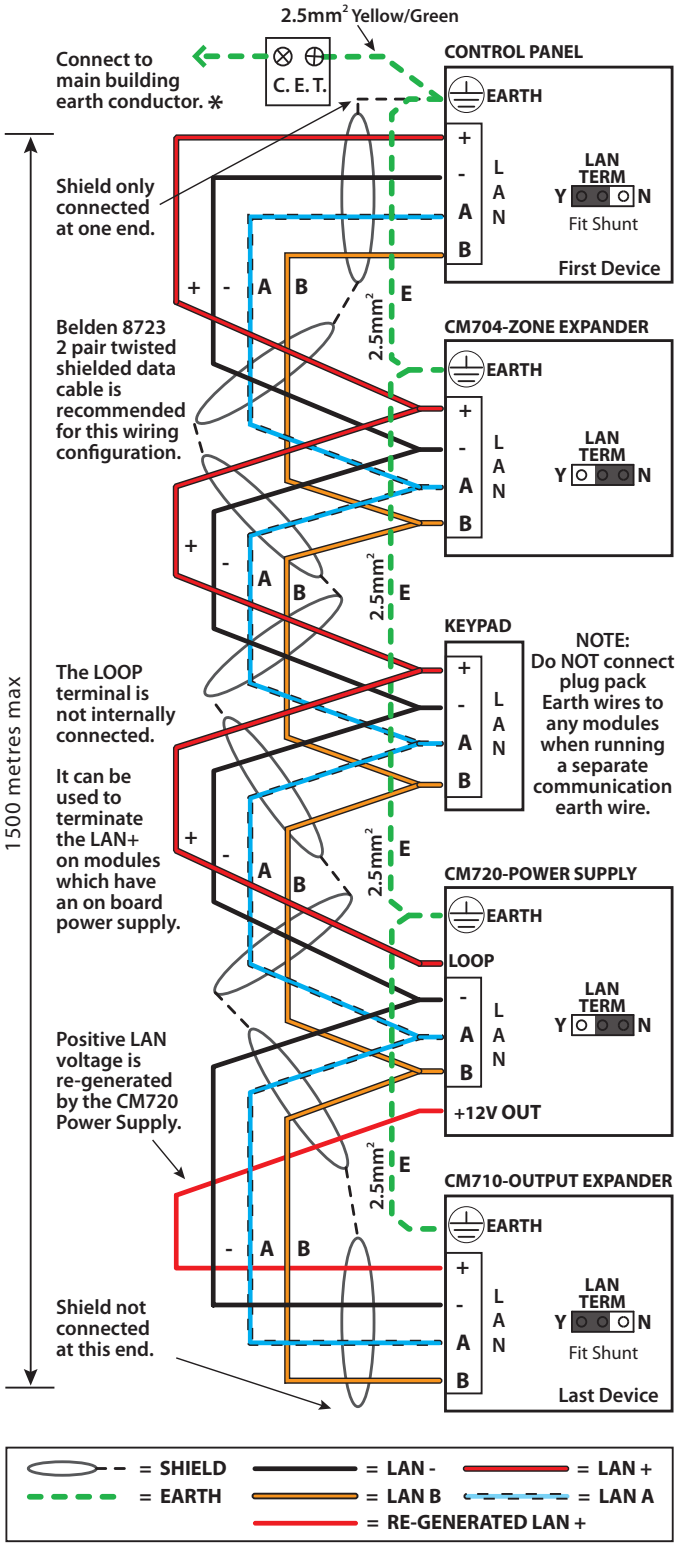


Figure 19: LAN Connection Using Twisted Pair Cable

The LAN- terminals from all modules must be connected together for correct operation.

System Earthing

When running a CET communications Earth as per Figure 19, the communication earth should be connected to the earth terminal on each module and then connected back through the CET to the main building earth conductor.

Do NOT connect the plug pack transformers earth wire to any modules earth terminal.

Note

If a separate Communications Earth wire is installed, do NOT connect the EARTH wire from any 3 wire plug pack to any modules EARTH input terminal.

If a separate communications earth is NOT being used, then you should connect the earth wire from the 3 wire plug pack to the panels earth terminal as shown in Figure 19.

When using shielded cable, the shield of each length of cable should only be connected to a protective earth at one end. Do no allow the shield to make contact with negative 0 volts, ground or any other wiring within the system.

All earth wiring should be carried out in accordance with the local wiring regulations in your area.

Terminating the LAN

For reliable operation, the system LAN must be terminated correctly. The control panel and all LAN modules include a LAN TERM pin header and shunt which is used to connect the termination resistor on the module.

When the shunt is installed between the Y pin and the centre pin, the terminator is fitted and when the shunt is between the N pin and the centre pin the terminator is not fitted.

Where all modules are connected to the panel on a single cable run, (Daisy Chained) the terminators should be installed on the first and last modules on the LAN.

If the modules are connected to the panel via multiple cables all running back to the control panel (Star Configuration) then the terminators should be installed on the modules at the end of the two longest cable runs.

There are no LAN terminators on keypads. If a keypad is one of the two furthest devices from the control panel then a 470 ohm 1/2watt resistor can be fitted at the keypad between the LAN A and LAN B terminals.

Note

The LAN must be terminated correctly for correct operation.

PCB Layout

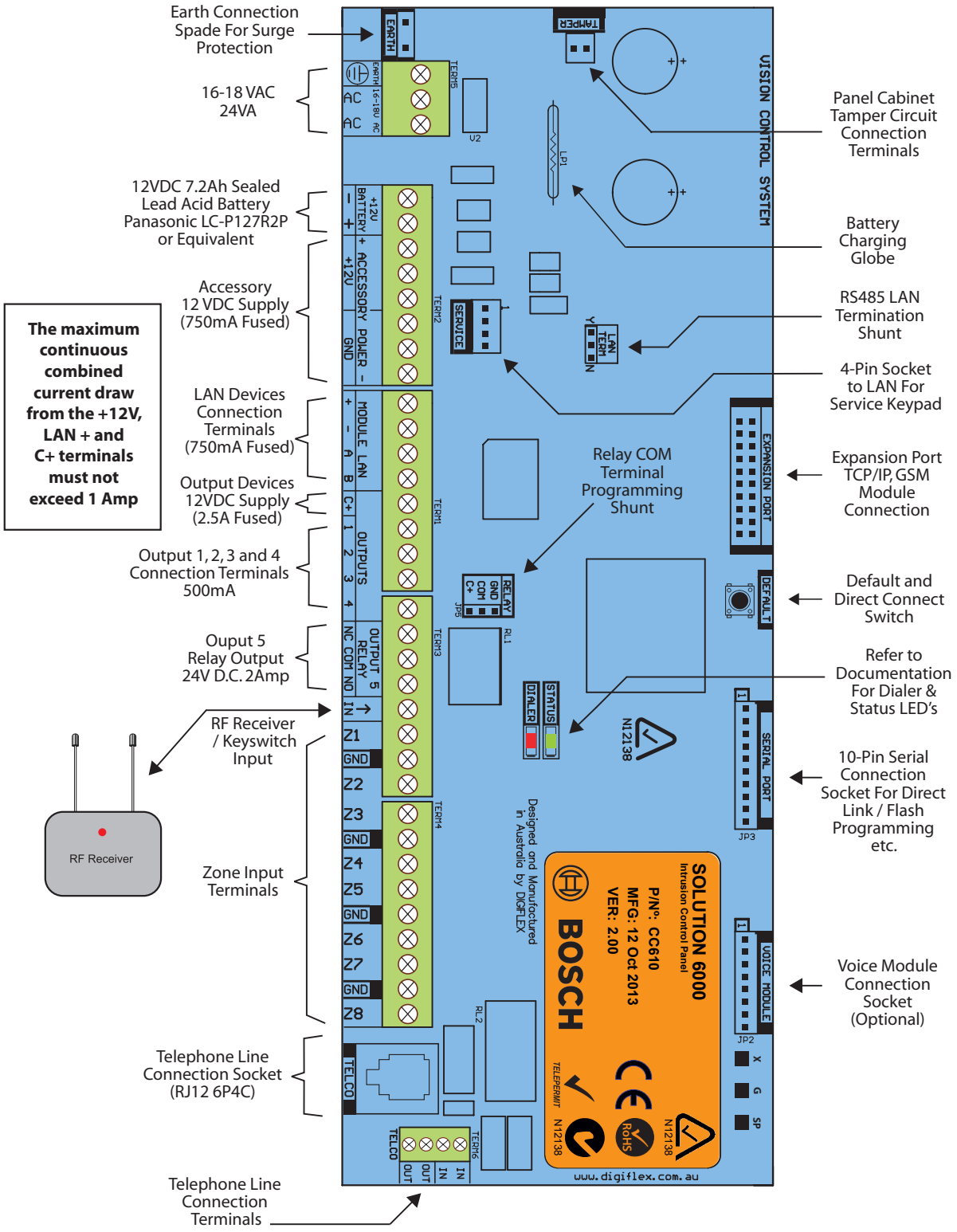


Figure 20: Solution 6000 Board Layout

Connection Diagram

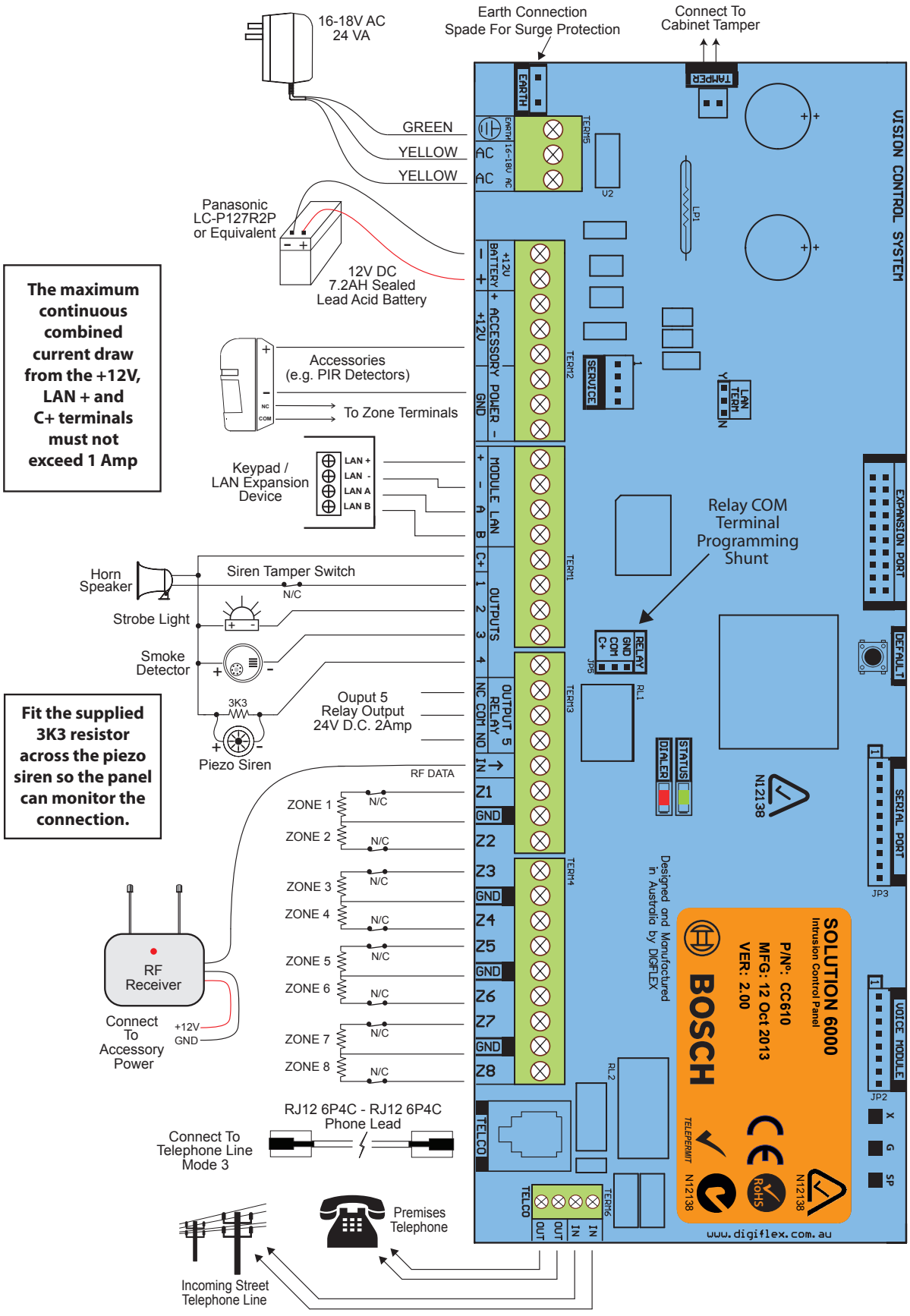


Figure 21: Solution 6000 Connection Diagram

Terminal Descriptions

Nº	Name	Description
1	Earth	Earth wire from this terminal is connected to the Mains earth.
2 3	~ (AC) ~ (AC)	Connection of the AC plug pack transformer
4 5	BAT (-) BAT (+)	Negative and positive connections to the stand-by battery. 12 VDC / 7AH
6 7 8 9 10 11	+12 V +12 V +12 V GND GND GND	These terminals are used to power detectors and LAN devices up to 750 mA.
12 13	LAN + LAN -	These terminals are used to power LAN devices up to 750 mA.
14	LAN A	Connect the LAN A data terminal of any LAN device (eg. Keypads, expansion boards) to this terminal. The control panel supports up to 300 m of 24/0.20 (18 AWG) wire on these terminals.
15	LAN B	Connect the LAN B data terminal of any LAN device (eg. Keypads, expansion boards) to this terminal. The control panel supports up to 300 m of 24/0.20 (18 AWG) wire on these terminals.
16	COMM+	Alarm power capable of providing a maximum of 2.5 Amp (+). This terminal is PTC Fuse protected.
17 18 19 20	OUT 1 OUT 2 OUT 3 OUT 4	Programmable output, capable of providing a maximum of 500 mA (-). This terminal is PTC Fuse protected.
21 22 23	N/C COM N/O	2 A @ 24 VDC Relay Output - Form C contact
24	INPUT	Programmable Input for RF Receivers, Keyswitch and other devices.
25	ZN 1	Zone 1 and 9 sensor loop input (+).
26	GND	Common (-) for Zone 1 and 2 sensor loop.
27	ZN 2	Zone 2 and 10 sensor loop input (+).
28	ZN 3	Zone 3 and 11 sensor loop input (+).
29	GND	Common (-) for Zone 3 and 4 sensor loop.
30	ZN 4	Zone 4 and 12 sensor loop input (+).
31	ZN 5	Zone 5 and 13 sensor loop input (+).
32	GND	Common (-) for Zone 5 and 6 sensor loop.
33	ZN 6	Zone 6 and 14 sensor loop input (+).
34	ZN 7	Zone 7 and 15 sensor loop input (+).
35	GND	Common (-) for Zone 7 and 8 sensor loop.
36	ZN 8	Zone 8 and 16 sensor loop input (+).
37 38	IN IN	These terminals are used to connect the telephone line from the street.
39 40	OUT OUT	These terminals are used to connect the premises telephones.

Table 4: Terminal Block Descriptions

Note

The maximum combined continuous current draw from the +12V, LAN + and COMM+ terminals must not exceed 1 Amp

Board Connectors

Connector	Description
Service	This socket allow you to connect a service Keypad to the panel during installation.
Tamper	This socket is used to connect the panel enclosure tamper switch.
Default	This push button is used to reset the control panel back to factory default.
Voice Module	This is used to connect the optional Voice Command Module (CM101B).
Serial	This socket is used to connect serial devices to the control system like the direct link programming module.
Telco	This is a RJ12 6P/4C connector that allows you to connect the control panel to the PSTN telephone line.
Relay	The relay select PIN's allow you to easily program the relay common contact to switch either +12v or GND by fitting a plug on link.
Expansion Port	This port is used to connect additional modules to the control panel (eg. TCP/IP Interface Module etc)

Table 5: Board Connector Descriptions

About The Keypad

The keypad has 20 keys that allow you to input instructions and navigate the programming menu's as required. Some keys have a secondary function which is activated by pressing and holding them down for two seconds. Each key is described below.

Key	Description
0 to 9	The numeric keys allow you to enter your user PIN when required.
MENU	Use the [MENU] and the numeric keys to enter commands. The [MENU] key is also used to go back one level when navigating through menus or to exit a programming location without saving changes.
ALL ON ON	The [ON] key allows you to turn an area or output on. To turn all areas on at the same time when the system has been partitioned, press and hold the [ON] key for two seconds.
BYPASS PART	The [PART] key allows you to turn an area Part On. This key can also be used to bypass a zone or multiple zones when you press and hold for two seconds after you enter your PIN.
ALL OFF OFF	The [OFF] key allows you to turn an area or output off. To turn all areas off at the same time when the system had been partitioned, press and hold the [OFF] key for two seconds after you enter your PIN.
OK	The [OK] key allows you to save any changes and exit the command.
TEST MAIL	The [MAIL] key allows you to read stored mail. This key can also be used to initiate a dialler test when you press and hold for two seconds.
←	The [←] key allows you to move the cursor left when programming text or telephone numbers.
→	The [→] key allows you to move the cursor right when programming text or telephone numbers.
↑	The [↑] key allows you to navigate through menus or to toggle characters when programming telephone numbers.
↓	The [↓] key allows you to navigate through menus or to toggle characters when programming telephone numbers. Pressing The [↓] key will display current trouble conditions when the area that the keypad is displaying is disarmed.
→ + ↑ for 2 sec	Press and hold the [→] and [↑] keys together for 2 seconds will initiate a panic emergency alarm to be triggered. If programmed, the sirens will sound and the monitoring station will be notified.
← + → for 2 sec	Press and hold the [←] and [→] keys together for 2 seconds will initiate a fire emergency alarm to be triggered. If programmed, the sirens will sound and the monitoring station will be notified.
↑ + ↓ for 2 sec	Press and hold the [↑] and [↓] keys together for 2 seconds will initate a medical emergency alarm to be triggered. If programmed, the sirens will sound and the monitoring station will be notified.

Table 6: Keypad Key Functions

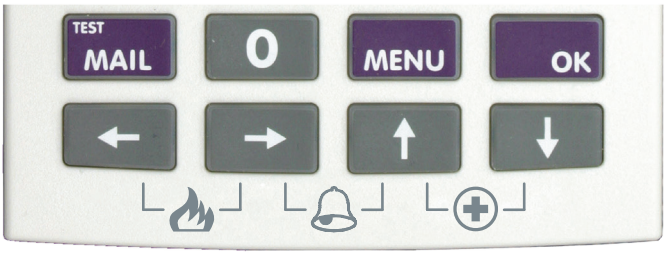


Figure 22: Keypad Emergency Alarm Trigger's

Status Icons / LED's

The following table lists the function of each of the ICON symbols and LED indicators on the keypad display.

Icon	Status	Meaning
1 2 3 4 5 6 7 8	The keypad can be programmed to display area icons (1 to 8) that allow users to easily identify which areas have been turned on or off without the need to toggle between areas (See MENU 6-1-5).	
	On	The area is turned All On or Part On
	Off	The area is turned Off
	Flashing Fast	The area has an alarm
	On	System power is normal
	Flashing	System power is missing
	Flashing	A fire alarm is active
	Off	No fire alarm
	On	Fire alarm in memory (Turn the area All On and Off to Clear).
	Flashing	A burglary alarm is active
	Off	No burglary alarm
	On	Burglary alarm in memory (Turn the area All On and Off to clear).
	On	The existing service or trouble condition has been acknowledged.
	Off	No service or trouble conditions exist
	Flashing	A service or trouble condition is present that has not been acknowledged.
	On	The area is turned Part On.
	Off	The area is not turned Part On.
	On	The area is turned off.
	Off	The area is turned All On or Part On
	On	The area is turned All On or Part On
	Off	The area is turned Off
	On	All messages have been read.
	Off	Message queue is empty
	Flash	An unread message is in the queue.
	On	Area is ready to turn on (All On / Part On)
	Off	Not ready, Zone Open
Red LED	**On**	All On
	Flashing	Alarm
Green LED	**On**	Area is off.
	Flashing	Area not ready to turn on
Red & Green LED	**Flashing**	Installer programming mode is active.
Wi-Fi Connected		The WiFi enabled keypad or module has successfully connected to your local WiFi network.
Wi-Fi Not Connected		The WiFi enabled keypad or module is not connected to your local WiFi network.

Table 7: ICON & LED Indicator Meanings

Keypad Tones

All keypads emit several distinct tones and display text to alert you to system events. The volume of the keypad tones can be adjusted in MENU 6-0-7.

Type	Meaning
Fire Alarm Tone	When a fire zone sounds an alarm, the keypad will sound 3 seconds on and 2 seconds off (repeat).
Burglary Alarm Tone	When a burglary zone activates while your system is turned on, your keypad emits a continuous siren tone. It sounds for the time set by your security company.
Trouble Tone	When a system component is not functioning properly, your keypad sounds 4 fast short beeps followed by a 5 second pause (repeat).
Key Press Tone	Pressing any key on the keypad sounds one short beep, indicating that the key press is accepted.
Entry Delay Tone	When you enter the premises through a zone programmed for entry delay, the keypad sound a Hi/Low tone to remind you to turn off the area. If the area is not turned off before the entry delay expires, an alarm condition will sound and a report may be sent to your alarm company.
Exit Delay Tone	After you turn an area All On, the keypad will sound 1 short beep every second. During the last 10 seconds fast short beeps will be heard. If you don't exit before the delay time expires and an exit delay door is faulted, an alarm occurs.
Error Tone	If you enter an incorrect value when programming, the keypad will sound a 2 second tone.
Menu Mode	The keypad will sound a Lo/Hi tone to indicate you have entered MENU Mode and a Hi/Low tone to indicate you have exited MENU mode.
Chime Tone	The keypad sounds fast short beeps to alert you when a zone programmed for chime is faulted or unsealed.

Table 8: Keypad Tones

Keypad & Readers Setup

The control panel can have a maximum of 16 keypads and/or readers connected via the LAN terminals. Each keypad or reader must be set to a unique address before they will operate.

Each keypad or reader needs to be assigned to a home area via MENU 6-1-3. This sets the area the keypad or reader will display and control by default. Keypads and readers can be locked to a home area or allowed to roam or move between areas. At factory default, the home area is factory default to operate Area 1.

Set each keypad or reader address using "Table 9: DIP Switch Address Settings" on page 17 and "Table 10: Rotary Switch Address Settings" on page 17 as a guide.

Note

Only 1 keypad can be assigned to each address. All keypads are supplied from the factory set to address 1. (OFF-OFF-OFF-OFF).

DIP Switch Address Select

Figure 23: Keypad DIP Switch Address Settings

DIP Switch Address Settings				
Keypad/Reader N°	S1	S2	S3	S4
1	Off	Off	Off	Off
2	On	Off	Off	Off
3	Off	On	Off	Off
4	On	On	Off	Off
5	Off	Off	On	Off
6	On	Off	On	Off
7	Off	On	On	Off
8	On	On	On	Off
9	Off	Off	Off	On
10	On	Off	Off	On
11	Off	On	Off	On
12	On	On	Off	On
13	Off	Off	On	On
14	On	Off	On	On
15	Off	On	On	On
16	On	On	On	On

Table 9: DIP Switch Address Settings

Rotary Switch Address Select

Keypads and readers fitted to the system must be assigned a unique address on the LAN. Some keypads and readers include a rotary address switch for quick selection.

The following table shows how to set the address setting for each keypad and reader, as well as the number of devices the panel can support.

Rotary Switch Address Settings	
Address Number	Keypad/Reader N°
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16

Table 10: Rotary Switch Address Settings

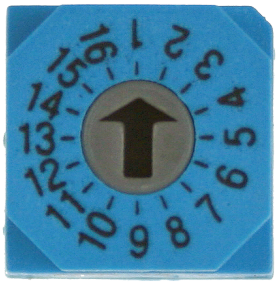


Figure 24: Rotary Swich Address Settings

DTMF Control Functions

Firmware includes comprehensive DTMF control of individual areas and outputs with full user PIN and TIMER GROUP access verification.

Unlike other systems, no additional hardware or modules are required for DTMF control. To configure the desired functions see MENU 5-3-5 DTMF Options.

How to Use DTMF Control

1. Once the panel answers the incoming call, if either option 1, 2, 3 or 4 in MENU 5-3-5 is enabled, then the panel will play a short welcome jingle. You now have approximately 5 seconds to enter a valid PIN and log onto the panel.
2. Enter PIN followed by the [#] key. If the PIN is valid the system will respond with two short beeps. If the PIN is invalid then a single long beep will be heard.

   If a valid PIN is not entered in time, the panel will attempt to establish a modem connection as if connecting to the Solution Link software.

   If this happens you will need to hang up for approximately 60 seconds before trying again.
3. Once validated, the following commands can be performed. See the table below. If no keys are pressed for 20 seconds then the panel will play the exit jingle before terminating the session and hanging up. Pressing [#][#] at any time while connected will cause the panel to terminate the session.

DTMF Control Functions		
Operation	**Command**	**Tone Response**
Quick Arm All Areas	[0] + [#]	High, Medium, Low
Log In OK	[PIN] + [#]	Low, High
Error	Incorrect Entry	Long Beep
Turn Area ON	[1] + [Area N°] + [#] + [1]	Low, High
Turn Area OFF	[1] + [Area N°] + [#] + [2]	High, Low
Turn Output ON	[2] + [Output N°] + [#] + [1]	Low, High
Turn Output OFF	[2] + [Output N°] + [#] + [2]	High, Low
End Session	[#] + [#]	High, Medium, Low

Table 11: DTMF Remote Control Functions

DTMF EXAMPLES

Each example below shows the log on step for clarity. In practise is only necessary to log on once per DTMF control session.

To turn Area 1 ON enter the following

[2] [5] [8] [0] [#] = Log ON

[1] + [1] + [#] + [1] = Arm Area 1

To turn Output 10 ON enter the following

[2] [5] [8] [0] [#] = Log ON

[2] + [1] [0] + [#] + [1] = Turn Output 10 ON

To turn Output 12 OFF enter the following

[2] [5] [8] [0] [#] = Log ON

[2] + [1] [2] + [#] + [2] = Turn Output 12 OFF

Note

If the DTMF Quick Arm option is enabled then it is possible to remotely arm all areas without logging onto the panel. Simply enter [0] + [#] following the welcome jingle.

Make sure that the phone being used to remotely control the panel is set to transmit DTMF tones when keys are pressed during the call. This option is disabled by default on some phones.

Programming Overview

The control panel incorporates a menu text driven interface. This interface is very similar to that found on many mobile phones. Once programming mode is entered you will see a number of menu options in the display and these may vary depending in the user authority level.

Entering Programming Mode

To enter installer program mode enter, PIN + [MENU].

The default Installer PIN is 1234.

The Red and Green LED indicators on the keypad will flash to confirm Installer programming mode is active.

Exiting Programming Mode

Press and hold down [MENU] key for 2 seconds.

Navigating The Menu

Using the up and down arrow keys to navigate, locate the desired menu item using the highlight bar and then press the [OK] key to select.

A new list of menu items will appear. Repeat the above until the desired menu item is located.

To navigate backwards through the menu items press the [MENU] key at any time. Alternatively if you know the direct menu item number press [MENU] + Item Number.

Key	Description
←	Scrolls Cursor Left
→	Scrolls Cursor Right
↑	Scrolls Cursor Up
↓	Scrolls Cursor Down
OK	Enter Menu Options or Saves Changes
MENU	Go Back One Level, Hold Down to Exit Programming Mode
0 to 9	Enter Data Value
ON	Turn On Bit Option
OFF	Turn Off Bit Option, Clear to End of Line

Table 12: Keys Used During Programming

Command Menu

When you first enter programming mode a special menu called the Command Menu will appear at the top of the menu tree. The Command Menu provides a list of the most common system funtions like "Turn Chime Mode On", "Move To An Area" or "Turn An Area On". Use the up and down arrow keys to navigate and press [OK] to select the command.

Programming Option Bit Menus

Use the up and down arrow keys to scroll through the 8 different options. To select an option, press the [ON] key – a tick [✓] will be displayed. To deselect an option, press the [OFF] key.

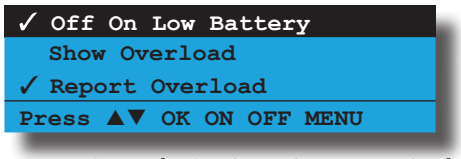


Figure 25: Sample Option Bit Menu Display

To save programming changes, press [OK], else press [MENU] to exit without saving.

Alpha Text

Text descriptions are available for Area Name, Zone Name, User Name, TimeZone Name, Holiday Name Prox Reader Name and Output Name. Each name can have a maximum of 20 characters.

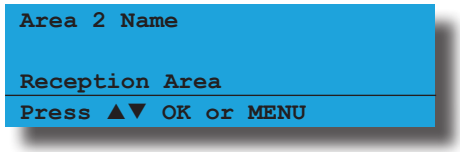


Figure 26: Area Text Programming Display

When programming text, each numeric key represents a different group of characters.

Pressing the same numeric key repeatedly will step you through the available characters assigned to the key. The text key layout is the same as most phones. Refer to the table below for detailed character information.

Key	Characters Assigned To Each Numeric Key								
1	.	,	?	!	-	&	`	1	
2	A	B	C	a	b	c	2		
3	D	E	F	d	e	f	3		
4	G	H	I	g	h	i	4		
5	J	K	L	j	k	l	5		
6	M	N	O	m	n	o	6		
7	P	Q	R	S	p	q	r	s	7
8	T	U	V	t	u	v	8		
9	W	X	Y	Z	w	x	y	z	9
0	SPACE	0							
↑	Scroll Up through entire character list								
↓	Scroll Down through entire character list								
←	Move to left one character position								
→	Move to right one character position								
OFF	Clear from cursor postiion to end of line								

Table 13: Text Keypad Character Set

Once the desired character is displayed press the right arrow key to move to the next character position. To save programming changes, press [OK], else press [MENU] to exit without saving.

Note

The following additional special characters are available by scrolling using the up and down arrow keys. **+ - @ # $ " & % * : ( ) / < > =**

Telephone Numbers

To program, select primary telephone number under [MENU] 5-1-1 then enter the digits of the telephone number and press the [OK] key to save. Use the up and down arrow keys to program special characters (*, # and Pause).

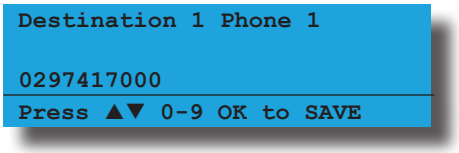


Figure 27: Telephone Number Programming Display

Key	Characters Assigned To Each Numeric Key
0 to 9	Enter the digits 0 to 9
↑ ↓	Scroll Up through entire character list 0 - 9 * # , comma = 2 second pause
← →	Move to left or right one character position
OFF	Clear from cursor postiion to end of line

Table 14: Phone Number Character Set

To save programming changes, press [OK], else press [MENU] to exit without saving.

List Options

Use the [↑] and [↓] keys to step through the available options. Press [OK] to save or [MENU] to exit without saving.

Note

You can also enter the option number directly followed by [OK].

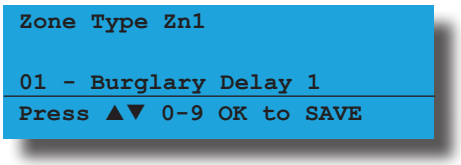


Figure 28: List Option Programming Display

Clock Programming

Use the left and right arrow keys to move to the field then use the up and down arrow keys to change. Press [OK] to save or [MENU] to exit without saving.

Note ***Scroll through hours to change from am to pm.***

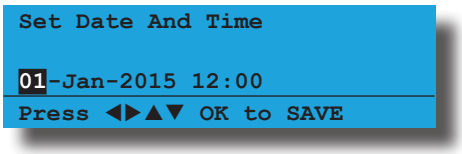


Figure 29: Clock Programming Display

Getting Started Back To Base

The following steps are the mimimum requirements to get the system reporting back to base. Examples assume the panel is disarmed with no alarms and starting from factory default settings.

1. Enter programming mode.
   [1][2][3][4] + [MENU]
2. Set date and time.
   MENU 7-1-0
3. Change default installer PIN.
   MENU 1-5-2
4. Change default master PIN.
   MENU 1-1-1
5. Enter (Client) account number for Area 1.
   MENU 2-2-0
6. Enter base station primary telephone number.
   MENU 5-1-1
7. Enter base station secondary telephone number.
   MENU 5-1-2
8. Press and hold down [MENU] to exit.

Service Mode

Service mode when activated disables dialler reporting, prevents all alarms and prevents all users from arming the system.

To Turn Service Mode ON

1. Enter programming mode.
   [1][2][3][4] + [MENU]
2. Turn service mode on.
   MENU 7-0-8
3. Follow display prompts.
4. Hold down [MENU] to exit.

Note ***Keypads will display the word Service when service mode is active.***

To Turn Service Mode OFF

1. Enter programming mode.
   [1][2][3][4] + [MENU]
2. Turn service mode off.
   MENU 7-0-8
3. Follow display prompts.
4. Hold down [MENU] to exit.

Note ***Keypads will display the word Service when service mode is active.***

Defaulting The System

Defaulting the system will reset all programming options back to the factory default setting. All programming information will be erased.

To Hardware Default

1. Remove all power to the system - AC and battery.
2. Press and hold the default push button, then apply power to the control panel.
3. Release the default button, The panel will reset and revert to normal operation when default is complete.

To Software Default

1. Enter programming mode.
   [1][2][3][4] + [MENU]
2. Select factory default option.
   MENU 7-0-4
3. The panel will reset and revert to normal operation when the default is complete.

Note

You can disable factory defaulting using MENU 7-7-4. If factory defaulting has been disabled you must know the installer code to perform a factory default otherwise the system will need to be returned to your supplier for defaulting or you can purchase a CM255B Default Unlock Key which will unlock the panel in the field. Charges apply for defaulting if retuned to the distributor.

Domestic Template Defaults

The following table list the changes that will occur when you select domestic default using MENU 7-0-3.

Program Option	Domestic Default Value
All Trouble Reports	Disabled
All Bypass Reports	Disabled
All Restore Reports	Disabled
Destination 1 TX Format	Domestic Reporting
Access Route	Log Only
Open / Close Reports	Log Only
Test Route	Log Only
System Route	Log Only

Table 15: Domestic Default Settings

Direct Link Programming

The panel can be programmed via the Solution Link Upload/Download software in either Direct Link or Remote Link modes. For Direct Link you will need a CM900B Direct Link module which connected the panels serial port to the PC.

Once the cable is connected you will need to hold down the default switch on the panel for 5 seconds to initiate the programming session. See Figure 20: for the default switch location. It is also possible to initiate the programming session via MENU 5-0-5 - Start Direct Link.

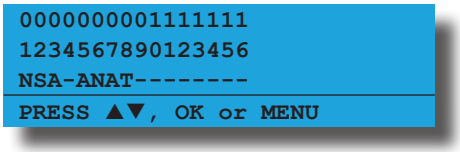
Zone Array

The feature allows you to view the condition of all zones on the panel in banks of 16 zones at a time. From the installer programing mode press MENU 3-0-1 to access the zone array.

Use the [↑] and [↓] arrow keys to scroll up and down the zone banks and press [OK] or [MENU] when finished.

The following information can be displayed depending on the current zone status.

N= NORMAL
S = SHORTED
A= ALARM
T= TAMPER
- = DISABLED



In the above example screen,

N = Zone 01 and 06 are Normal (Sealed)
S = Zone 02 is Shorted
A = Zone 03,05,07 are in Alarm (Unsealed)
T = Zone 08 is in Tamper Alarm (Unsealed)
- = Zone 04, 09-16 are Disabled (Unused)

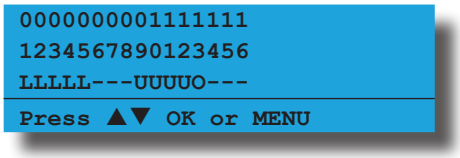
Door Array

This feature allows you to view door status in groups of 16. From the installer programing mode press MENU 4-0-4 to access the door array.

Press [OK] or [MENU] when finished.

The following information can be displayed depending on the current door status.

L = Door Locked
U = Door Unlocked
O = Override
- = Disabled or Not Available



In the above example screen,
L = Doors 01 to 05 are Locked
O = Door 13 has a Override condition
U = Doors 09 to 12 area Unlocked
- = Doors 06 to 08 and Doors 14 to 16 are Disabled or Not Available

Output Array

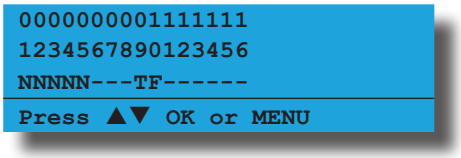
This feature allows you to view output status in groups of 16. From the installer programing mode press MENU 4-0-2 to access the output array.

Use the up and down arrow keys to scroll up and down the output banks and press [OK] or [MENU] when finished.

The following information can be displayed depending on the current zone status.

N = NORMAL - Off Condition
T = TRIGGERED - On Condition
F = FAULT - Overload Condition
- = DISABLED

1. Enter [MENU] + [4] + [0] + [2] and use the up and down arrows to select the output group to view.
2. Use the [↑] and [↓] down arrows at any time to move to a new group. The keypad will display the following output array information for outputs 1 to 16.



In the above example screen,
N = Outputs 01 to 05 are Normal (Off)
F = Output 10 has a Fault (Overload)
T = Output 09 is Triggered (On)
- = Outputs 05 to 08 and Outputs 11 to 16 are Disabled or Not Available

Basic Reporting Reference

A complete reporting template is available on the Solution Link CD or from your nearest Bosch security products outlet. Your base station will need to create a specific reporting template for this and other new model Solution panels.

Point ID Table	Module Description
Ur999	Installer
Ur998	Remote User
Ur997	TimeZone
Ur996	Guard Tour
Ur001 - 995	Users
Ur000	Quick Arm
Zn001 - 264	Zones General
Zn001 - 064	Doors 1 - 64
Zn701 - 708	Door Controller 1 - 8
Zn711 - 718	Door Controller 9 - 16
Zn761 - 768	Lift Controller 1 - 8
Zn771 - 778	Lift Controller 9 - 16
Zn781 - 788	Input Expander 1 - 8
Zn791 - 798	Input Expander 9 - 16
Zn801 - 808	Universal Expander 1 - 8
Zn811 - 818	Universal Expander 9 - 16
Zn821 - 828	RF Receiver 1 - 8
Zn831 - 838	LAN Power Supply 1 - 8
Zn841 - 848	Serial Expander 1 - 8
Zn851 - 858	Output Expander 1 - 8
Zn860	GSM Module
Zn861	GSM Input 1
Zn862	GSM Input 2
Zn863	GSM Input 3
Zn864	GSM Input 4
Zn870	Ethernet Module
Zn871	Real Time Clock Module
Zn872	Voice Module
Zn873	Service Keypad
Zn881 - 888	Consoles 1 - 8
Zn891 - 898	Control Panel 1 - 8
Zn911 - 918	LAN Isolator 1 - 8
Zn921 - 928	LAN Isolator 9 - 16
Zn901 - 908	Destination Route 1 - 8
Zn971 - 978	Consoles 9 - 16
Zn901 - 908	Destination Route 1 - 8
Zn911 - 918	LAN Isolator 1 - 8
Zn921 - 928	LAN Isolator 9 - 16
Zn931 - 938	LAN Power Supply 9 - 16
Zn951 - 958	Output Expander 9 - 16
Zn971 - 978	Consoles 9 - 16

Table 16: Shortform Point ID Listing

Menu Reference Table

The Solution Controller includes a simple text menu system which makes all levels of programming extremely easy. Once a valid PIN has been entered followed by the MENU key the system will automatically determine which menus and option the user has access to and only those items will be displayed.

There are four basic grouping levels used;

1. A = All (No PIN Required)
2. U = User PIN Has Access
3. M = Master PIN Has Access
4. I = Installer PIN Has Access

The following table lists all programming menus and the authority level required to access them.

	0	Commands
UMI	2-0-1	Turn Area On/Off
UMI	2-0-2	Turn All Areas On
UMI	2-0-3	Turn All Areas Off
UMI	2-0-4	Move To Area
AUMI	2-0-5	Chime On/Off
UMI	1-1-0	Change Own PIN
AUMI	3-0-0	Zone Status
AUMI	4-0-0	Output Status
UMI	4-0-1	Turn Output On/Off
MI	7-1-0	Set Date And Time
UMI	3-0-5	Smoke Sensor Reset
UMI	3-9-0	Walk Test All Zones
MI	4-9-0	External Siren Test
MI	4-9-1	Internal Siren Test
MI	4-9-2	Strobe Test
UMI	5-0-1	Call/Answer RAS
UMI	7-9-1	Battery Test
UMI	5-9-0	Test Dialler
I	7-0-8	Service Mode
UMI		About

	1	Access
	1-0	**Commands**
MI	1-0-0	Erase User
	1-1	**PIN Codes**
UMI	1-1-0	Change Own PIN
MI	1-1-1	Change Other PIN
MI	1-1-2	Add PIN
MI	1-1-3	Delete PIN
I	1-1-4	View PIN
	1-2	**Token**
MI	1-2-0	Add Token
MI	1-2-1	Delete Token
MI	1-2-2	Token Status
MI	1-2-3	Edit Token
	1-3	**RF Keyfob**
MI	1-3-0	Add Keyfob
MI	1-3-1	Delete Keyfob
I	1-3-2	Test Keyfob
	1-4	**User Properties**
MI	1-4-0	User Name
MI	1-4-1	Area Assignment
MI	1-4-2	User Options
MI	1-4-4	TimeZone Access
MI	1-4-5	Door Assignment
MI	1-4-6	User Expire Date
	1-5	**Global Properties**
I	1-5-0	PIN Length
I	1-5-1	PIN Retry Count
I	1-5-2	Installer PIN
	1-6	**Reporting**
I	1-6-0	Access Route
I	1-6-1	Access Options
	1-8	**Fingerprint**
MI	1-8-0	Add Fingerprint
MI	1-8-1	Delete Fingerprint
MI	1-8-2	Fingerprint Status

	2	Areas
	2-0	**Commands**
AUMI	2-0-0	Area Status
UMI	2-0-1	Turn Area On/Off
UMI	2-0-2	Turn All Areas On
UMI	2-0-3	Turn All Areas Off
UMI	2-0-4	Move To Area
AUMI	2-0-5	Chime On/Off
MI	2-0-6	Chime Mode
	2-1	**Area Properties**
MI	2-1-0	Area Name
I	2-1-1	General Options
I	2-1-2	Input Options
I	2-1-3	Output Options
I	2-1-4	Reporting Options
I	2-1-5	Strobe Trigger
MI	2-1-6	Part Mode 1 Name
MI	2-1-7	Part Mode 2 Name
MI	2-1-8	Auto Arming
	2-2	**Reporting**
I	2-2-0	Account Dest 1
I	2-2-1	Account Dest 2
I	2-2-2	Open Close Route
	2-8	**Timers**
MI	2-8-0	Exit Time
MI	2-8-1	Entry Time 1
MI	2-8-2	Entry Time 2
MI	2-8-3	Part Entry Time
I	2-8-4	Auto Arm Pre Alert
I	2-8-6	Senior Watch Time
	2-9	**Area Testing**
I	2-9-0	Area Watch
I	2-9-1	User Test Interval
I	2-9-2	Service Interval
I	2-9-3	Test Options

	3	Inputs
	3-0	**Commands**
AUMI	3-0-0	Zone Status
MI	3-0-1	Zone Array
UMI	3-0-2	Bypass Zones
MI	3-0-3	Set Chime Zones
MI	3-0-4	Set Part 2 Zones
UMI	3-0-5	Smoke Sensor Reset
	3-1	**Zone Properties**
MI	3-1-0	Zone Name
I	3-1-1	Zone Type
I	3-1-2	Area Assignment
I	3-1-3	Pulse Count
I	3-1-4	Pulse Count Time
I	3-1-5	Door Assignment
I	3-1-6	Report Route
I	3-1-7	Report Options
I	3-1-8	Zone Options
	3-3	**RF Zone**
I	3-3-0	Add RF Device
I	3-3-1	Delete RF Device
I	3-3-2	Test RF Device
	3-4	**Global Input Options**
I	3-4-0	EOL Value
I	3-4-1	Keyswitch Options
I	3-4-2	Input Options
	3-5	**PGM Input**
I	3-5-0	Input Type
	3-6	**Tamper Inputs**
I	3-6-0	Tamper Options
	3-9	**Input Testing**
UMI	3-9-0	Walk Test All Zones
UMI	3-9-1	Walk Test A Zone
I	3-9-2	Sensor Watch Time

	4	Outputs
	4-0	**Commands**
AUMI	4-0-0	Output Status
UMI	4-0-1	Turn Output On/Off
MI	4-0-2	Output Array
MI	4-0-3	Door Status
MI	4-0-4	Door Array
MI	4-0-5	Door Control
MI	4-0-6	Marco Array
	4-1	**Properties**
MI	4-1-0	Output Name
I	4-1-1	Event Type
I	4-1-2	Event Assignment
I	4-1-3	Output Polarity
I	4-1-4	Time Parameter
I	4-1-5	Output Options
	4-2	**Door Properties**
MI	4-2-0	Door Name
I	4-2-2	Unlock TimeZone
I	4-2-3	Door Options
	4-8	**Macros**
I	4-8-0	Name
I	4-8-1	Macro Rule
I	4-8-2	Scene
	4-9	**Output Testing**
MI	4-9-0	External Siren Test
MI	4-9-1	Internal Siren Test
MI	4-9-2	Strobe Test
MI	4-9-3	Fire Siren Test

	5	Comms
	5-0	**Commands**
UMI	5-0-1	Call /Answer RAS
MI	5-0-2	Call Forward On/Off
MI	5-0-3	Check Web Email
MI	5-0-4	Email System Log
MI	5-0-5	Start Direct Link
MI	5-0-6	Voice Setup
MI	5-0-8	Register Customer
I	5-0-9	Register Installer
	5-1	**Telephone Numbers**
I	5-1-0	Number Prefix
MI	5-1-1	Destination 1
MI	5-1-2	Destination 2
MI	5-1-6	Call Forward On
MI	5-1-7	Call Forward Off
	5-2	**Properties**
I	5-2-0	Call Attempt Count
I	5-2-1	Dialler Options
I	5-2-2	Phone Line Options
I	5-2-3	Country
I	5-2-7	Set SMS Password
	5-3	**Remote Access**
I	5-3-0	Call Back Number
I	5-3-1	RAS Security PIN
I	5-3-2	Log Threshold
I	5-3-3	Ring Count
I	5-3-4	RAS Options
I	5-3-5	DTMF Options
I	5-3-6	Voice Access Code
I	5-3-7	CLI Numbers
I	5-3-8	User RAS PIN
	5-4	**Reporting**
I	5-4-0	TX Format Dest 1
I	5-4-1	TX Format Dest 2
I	5-4-2	Test Route
I	5-4-3	System Route
I	5-4-4	Emergency Route
I	5-4-5	Swinger Dialler
I	5-4-6	Burg Report Delay
I	5-4-7	Fire Report Delay
	5-5	**MyAlarm**
I	5-5-0	IP Address
I	5-5-1	IP Port
I	5-5-2	MyAlarm Options
I	5-5-7	Gateway Numbers
MI	5-5-8	Email Address
MI	5-5-9	Email Options

	5-6	**IP Reporting**
I	5-6-0	Receiver IP
I	5-6-1	Receiver Port
I	5-6-2	Poll Rate
I	5-6-3	ACK Wait Time
I	5-6-4	IP Format
I	5-6-5	Retry Count
I	5-6-6	Encryption Key
I	5-6-7	Conettix NNC
I	5-6-8	SIA IP Prefix
I	5-6-9	User Name/Password
	5-7	**IP Remote Access**
MI	5-7-0	IP Address
MI	5-7-1	IP Port
I	5-7-2	IP RAS Options
I	5-7-3	RAS Lockout Time
I	5-7-5	IPRS Address
I	5-7-6	IPRS Port
	5-9	**Comms Test**
UMI	5-9-0	Send Test Report
I	5-9-1	Test Report Time
I	5-9-2	Test Report Period
I	5-9-3	Test Report Options
I	5-9-4	Test Route
I	5-9-5	Dial Number Test

	6	**Devices**
	6-0	**Commands**
UMI	6-0-0	Device Status
I	6-0-1	LAN Secure
I	6-0-2	LAN Scan
I	6-0-3	LAN Watch
MI	6-0-7	Keypad Volume
MI	6-0-8	Keypad Contrast
MI	6-0-9	Keypad Backlight
	6-1	**Keypads & Readers**
MI	6-1-0	Name
I	6-1-2	Area Options
I	6-1-3	Home Area
I	6-1-4	General Options
I	6-1-5	Indicator Options
I	6-1-6	Emergency Keys
I	6-1-7	Door Assignment
I	6-1-8	Lockout Time
MI	6-1-9	WiFi Settings
	6-2	**RF Devices**
I	6-2-0	Receiver Options
I	6-2-1	Supervision Time
I	6-2-2	RF Device Options
I	6-2-3	Add RF Keypad
I	6-2-4	Delete RF Keypad
I	6-2-5	View RF Device ID
I	6-2-6	Smart Keyfob Func
	6-3	**Serial Device**
I	6-3-0	Device Type
I	6-3-1	Baud Rate
I	6-3-2	Flow Control
	6-5	**GSM/GPRS**
MI	6-5-0	GSM/GPRS Status
I	6-5-1	GSM/GPRS Options
MI	6-5-5	CLI Triggers
MI	6-5-6	SMS Control
I	6-5-7	APN Server Name
I	6-5-8	APN Username
I	6-5-9	APN Password
	6-6	**Ethernet Module**
I	6-6-0	Module IP Address
I	6-6-1	Subnet Mask
I	6-6-2	Default Gateway
I	6-6-3	Module MAC Address
I	6-6-9	Ethernet Options

	7	**System**
	7-0	**Commands**
UMI	7-0-0	Panel Status
UMI	7-0-1	System Trouble
UMI	7-0-2	History Log
I	7-0-3	Domestic Default
I	7-0-4	Factory Default
I	7-0-5	Template Default
MI	7-0-6	TimeZone Array
I	7-0-8	Service Mode
	7-1	**Clock**
MI	7-1-0	Set Date And Time
I	7-1-1	Summertime On
I	7-1-2	Summertime Off
I	7-1-3	Locale
	7-3	**Power**
I	7-3-0	AC Options
I	7-3-1	Battery Options
I	7-3-2	Fuse Options
	7-4	**Siren**
I	7-4-0	Tone
I	7-4-1	Speed
MI	7-4-2	Volume
I	7-4-3	Siren Swinger
	7-5	**TimeZones**
MI	7-5-0	Name
MI	7-5-1	Time
MI	7-5-2	Day
MI	7-5-3	TimeZone Options
	7-6	**Holidays**
MI	7-6-0	Holiday Name
MI	7-6-1	Start Stop Dates
	7-7	**System Options**
I	7-7-0	General Options
I	7-7-1	Area Options
I	7-7-2	Keypad Idle Screen
MI	7-7-3	Keypad Hi/Lo Temp
I	7-7-4	Installer Options
I	7-7-5	Language
MI	7-7-7	Site Name
	7-9	**System Testing**
UMI	7-9-0	Walk Test All Zones
UMI	7-9-1	Battery Test

Table 17: Menu Structure And Layout

Program Locations

The following section lists all of the programming locations available in the Solution 6000. The default values for each parameter are shown in grey.

In order to keep the size of this guide down to a minimum we have shown only one example for some parameters and then listed the default values for the other similar parameters. For example the user default table below shows the default values for users 1 to 990. Similar tables are used to show zone defaults etc.

Access Programming

Access > Commands >

Erase User — MENU 1-0-0

Access > PIN Codes >

Change Own PIN — MENU 1-1-0

Change Other PIN — MENU 1-1-1

Add PIN — MENU 1-1-2

Delete PIN — MENU 1-1-3

View PIN — MENU 1-1-4

Access > Token >

Add Token — MENU 1-2-0

Delete Token — MENU 1-2-1

Token Status — MENU 1-2-2

Edit Token — MENU 1-2-3

User Default Table

Parameter	User 1	User 2 - 990
User PIN	2580	
Name	User 1 Name	User 2 - 990
Area Assignment	1	1
User Options		
Master User	Y	
Reserved		
Arm Only		
Can Bypass	Y	Y
Auto Bypass	Y	Y
Always Report Op/Cl	Y	Y
Reserved		
Log Credential		
TimeZone	01	01
Door Assignment		

Table 18: User Default Programming Options

Access > RF Keyfob >

Add Keyfob — MENU 1-3-0

Delete Keyfob — MENU 1-3-1

Test Keyfob — MENU 1-3-2

Access > User Properties >

User Name — MENU 1-4-0

U	s	e	r		1		N	a	m	e									

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Access > User Properties >

Area Assignment — MENU 1-4-1

1	Security System	Y
2	Area 2 Name	N
3	Area 3 Name	N
4	Area 4 Name	N
5	Area 5 Name	N
6	Area 6 Name	N
7	Area 7 Name	N
8	Area 8 Name	N

Use the [↑] and [↓] keys to scroll the list of options. Select the option required, then press [ON] or [OFF] to enable or disable. A [✓] will display to indicate option set. Press [OK] to save when finished.

Access > User Properties >

User Options — MENU 1-4-2

1	Master User	Y
2	Reserved	N
3	Arm Only	N
4	Can Bypass	Y
5	Auto Bypass Allowed	Y
6	Always Report Op/Cl	Y
7	Reserved	N
8	Log Credential	N

Access > User Properties >

TimeZone Access — MENU 1-4-4

[0][1]

00 - Disabled
01 - 24 Hour TimeZone
02 - TimeZone 2 Name
03 - TimeZone 3 Name
04 - TimeZone 4 Name
05 - TimeZone 5 Name
06 - TimeZone 6 Name
07 - TimeZone 7 Name
08 - TimeZone 8 Name
09 - TimeZone 9 Name
10 - TimeZone 10 Name
11 - TimeZone 11 Name
12 - TimeZone 12 Name
13 - TimeZone 13 Name
14 - TimeZone 14 Name
15 - TimeZone 15 Name
16 - TimeZone 16 Name

Enter 0 - 16 + [OK] to assign the user to a TimeZone – Can only be assigned to one TimeZone.

Note

All users are assigned to TimeZone 1 by default. This means they have 24 hour access to the system. To restrict access. To restrict access to users, refer to TimeZones.

Access > User Properties >

Door Assignment — MENU 1-4-5

1	Door 1 Name	N
2	Door 2 Name	N
3	Door 3 Name	N
4	Door 4 Name	N
5	Door 5 Name	N
6	Door 6 Name	N
7	Door 7 Name	N
8	Door 8 Name	N
9	Door 9 Name	N
10	Door 10 Name	N
11	Door 11 Name	N
12	Door 12 Name	N
13	Door 13 Name	N
14	Door 14 Name	N
15	Door 15 Name	N
16	Door 16 Name	N

Multiple doors can be assigned to each user. Press 1 – 16, then press [ON] or [OFF] to toggle door on/off, then press [OK] to save.

Access > User Properties >

User Expire Date — MENU 1-4-6

Access > Global Properties >

PIN Length — MENU 1-5-0

(*** System Wide Parameter ***) [0][4]

00 - Variable
01 - 1 Digit
02 - 2 Digits
03 - 3 Digits
04 - 4 Digits
05 - 5 Digits
06 - 6 Digits
07 - 7 Digits
08 - 8 Digits

Enter 00 - 08 + [OK] to program the PIN length.

Access > Global Properties >

PIN Retry Count — MENU 1-5-1

(*** System Wide Parameter ***) [0][6]

Use [↑] and [↓] keys or enter 00 – 15 + [OK] to program the PIN retry count (00 = Unlimited).

Access > Global Properties >

Installer PIN — MENU 1-5-2

[1][2][3][4][A][A][A][A]

(*** System Wide Parameter ***)
Use [0] – [9] keys to program the installer PIN + [OK] to save. Installer PIN can be up to 8 digits long.

Access > Reporting

Access Route — MENU 1-6-0

[0][0]

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK]. Enter single option only. (*** System Wide Parameter ***).

Access > Reporting >

Access Options — MENU 1-6-1

1	Access Granted	Y
2	Access Denied	Y
3	Egress Granted	Y
4	Egress Denied	Y
5	Reserved	N
6	Reserved	N
7	Reserved	N
8	Reserved	N

Access > Fingerprint >

Add Fingerprint **MENU 1-8-0**

Access > Fingerprint >

Delete Fingerprint **MENU 1-8-1**

Access > Fingerprint >

Fingerprint Status **MENU 1-8-2**

Area Programming

By default the control panel is configured for one area. Examples given in this document are for Area 1 only. If the system is configured for more than one area then you will be prompted on the keypad to select the area you want to work on.

Areas > Commands >

Area Status **MENU 2-0-0**

Turn Area On/Off **MENU 2-0-1**

Turn All Areas On **MENU 2-0-2**

Turn All Areas Off **MENU 2-0-3**

Move To Area **MENU 2-0-4**

Chime On/Off **MENU 2-0-5**

Chime Mode **MENU 2-0-6**

Areas > Area Properties >

Area Name **MENU 2-1-0**

S	e	c	u	r	i	t	y		S	y	s	t	e	m					

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Areas > Properties >

General Options **MENU 2-1-1**

1	Exit Time Restart	N
2	Reset Alarm Memory	N
3	Duress Allowed	Y
4	Fault ACK Required	N
5	One Key Arming	Y
6	One Key Part On	Y
7	Link To Common Area	N
8	One Key Part Off	N

Areas > Properties >

Input Options **MENU 2-1-2**

1	Non Sequential	Y
2	Pulse Count H/Over	Y
3	Senior Watch	N
4	Reset Smoke On Arming	Y
5	Senior Watch In Minutes	N
6	Reserved	N
7	Reserved	N
8	Auto Arm In Part 1	N

Areas > Properties >

Output Options **MENU 2-1-3**

1	SPK Beeps Keyfob	Y
2	SPK Beeps Key/Sw	Y
3	SPK Strobe In Part On	Y
4	Alarm On PIN Retry	Y
5	Alarm Exit Error	N
6	Alarm Key/Sw Tamper	Y
7	Reserved	N
8	Reserved	N

Areas > Properties >

Reporting Options **MENU 2-1-4**

1	Report PIN Retry	Y
2	Report Exit Error	Y
3	Smart Lockout	N
4	Reserved	N
5	Cancel Report	Y
6	Reserved	N
7	Op/Cl In Part On	N
8	Op/Cl After Alarm	N

Areas > Properties >

Strobe Trigger **MENU 2-1-5**

1	Audible Burglary	Y
2	Silent Burglary	N
3	Fire Alarm	Y
4	Keyfob On/Off	N
5	Keyswitch On/Off	N
6	Reserved	N
7	24Hr Alarm	Y
8	Reserved	N

Areas > Area Properties >

Part Mode 1 Name — MENU 2-1-6

P	a	r	t		1		A	r	e	a		1		N	a	m	e		

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Areas > Area Properties >

Part Mode 2 Name — MENU 2-1-7

P	a	r	t		2		A	r	e	a		1		N	a	m	e		

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Areas > Area Properties >

Auto Arming — MENU 2-1-8

0	0

00 - Disabled
01 - 24 Hour TimeZone
02 - TimeZone 2 Name
03 - TimeZone 3 Name
04 - TimeZone 4 Name
05 - TimeZone 5 Name
06 - TimeZone 6 Name
07 - TimeZone 7 Name
08 - TimeZone 8 Name
09 - TimeZone 9 Name
10 - TimeZone 10 Name
11 - TimeZone 11 Name
12 - TimeZone 12 Name
13 - TimeZone 13 Name
14 - TimeZone 14 Name
15 - TimeZone 15 Name
16 - TimeZone 16 Name

Enter 0 - 16 + [OK] to assign the area to a TimeZone – Can only be assigned to one TimeZone (0 = Disabled). To set the start/stop and days of the week that the area will automatically arm, refer to TimeZone menu's.

Areas > Reporting >

Account Dest 1 — MENU 2-2-0

0	0	0	0	0	0	0	0	0	0

Program the area account number for Destination 1 here (Enter digits 0 – 9 + [OK] to save).

Areas > Reporting >

Account Dest 2 — MENU 2-2-1

0	0	0	0	0	0	0	0	0	0

Program the area account number for Destination 1 here (Enter digits 0 – 9 + [OK] to save).

Areas > Reporting >

Open Close Route — MENU 2-2-2

0	1

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK] to program which destination 'Open' and 'Close' reports are sent to.

Areas > Timers >

Exit Time — MENU 2-8-0

0	6	0

Seconds

Enter 000 – 255 + [OK] to program the exit time in seconds.

Areas > Timers >

Entry Time 1 — MENU 2-8-1

0	2	0

Seconds

Enter 000 - 255 + [OK] to program the entry time in seconds.

Areas > Timers >

Entry Time 2 — MENU 2-8-2

0	4	0

Seconds

Enter 000 - 255 + [OK] to program the entry time in seconds.

Areas > Timers >

Part Entry Time — MENU 2-8-3

0	6	0

Seconds

Enter 000 - 255 + [OK] to program the part entry time in seconds.

Areas > Timers >

Auto Arm Pre Alert — MENU 2-8-4

(*** System Wide Parameter ***) [0][1][0]

Minutes

Enter 000 – 255 + [OK] to program the pre-alert time in minutes (0 = No Pre-Alert).

Areas > Timers >

Senior Watch Time — MENU 2-8-6

(*** System Wide Parameter ***) [0][0][0]

Hours

Enter 000 – 255 + [OK] to program the senior watch interval in hours.

Areas > Area Testing >

Area Watch — MENU 2-9-0

(*** System Wide Parameter ***) [0][1][2]

Weeks

Enter 000 – 255 + [OK] to program the number of weeks before registering an inactivity event.

Areas > Area Testing >

User Test Interval — MENU 2-9-1

(*** System Wide Parameter ***) [0][0][0]

Days

Enter 000 – 255 + [OK] to program the number of days before a user test is requested.

Areas > Area Testing >

Service Interval — MENU 2-9-2

(*** System Wide Parameter ***) [0][0][0]

Weeks

Enter 000 – 255 + [OK] to program the number of weeks required between installer services.

Areas > Area Testing >

Test Options — MENU 2-9-3

1	User Test Required	Y
2	Reserved	N
3	Reserved	N
4	Reserved	N
5	Reserved	N
6	Walk Test Report	Y
7	Walk Test 24Hr	N
8	Walk Test Fire	N

Input Programming

Inputs > Commands >

Zone Status — MENU 3-0-0

Zone Array — MENU 3-0-1

Bypass Zones — MENU 3-0-2

Set Chime Zones — MENU 3-0-3

Set Part 2 Zones — MENU 3-0-4

Smoke Sensor Reset — MENU 3-0-5

Inputs > Zone Properties >

Zone Name — MENU 3-1-0

[Z][o][n][e][ ][1][ ][N][a][m][e][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Inputs > Zone Properties >

Zone Type — MENU 3-1-1

[0][1]

00 - Not Used	08 - Hold Up 24Hr
01 - Burglary Delay 1	09 - Medical 24Hr
02 - Burglary Delay 2	10 - Panic 24Hr
03 - Burglary Instant	11 - Fire 24Hr
04 - Burg Inst No Exit	12 - Not Used
05 - Burg Handover	13 - Keyswitch Zone
06 - Burglary 24Hr	14 - Display Only
07 - Tamper 24Hr	15 - Non Burglary 24Hr

Use [↑] and [↓] keys or enter 0 – 15 + [OK] to program the zone type.

Inputs > Zone Properties >

Area Assignment — MENU 3-1-2

[0][1]

00 - No Area	
01 - Security System	05 - Area 5 Name
02 - Area 2 Name	06 - Area 6 Name
03 - Area 3 Name	07 - Area 7 Name
04 - Area 4 Name	08 - Area 8 Name

Use [↑] and [↓] keys or enter 0 - 8 then press [OK] to program.

Zone Assignments

Zone Assignment Table									
Module Number	Address Setting					Zone Numbers (Single EOL)	Zone Numbers (Alarm+Tamper EOL)	Zone Numbers (Split EOL)	Single or Alarm + Tamper EOL With CM705B + CM707B Module
	SW1	SW2	SW3	SW4	SW5				
Control Panel						1 to 8	1 to 8	1 to 16	1 to 8
1 =	OFF	OFF	OFF	OFF	OFF	17 to 24	17 to 24	17 to 32	17 to 24 25 to 32 on the CM707B
2 =	ON	OFF	OFF	OFF	OFF	33 to 40	33 to 40	33 to 48	33 to 40 41 to 48 on the CM707B
3 =	OFF	ON	OFF	OFF	OFF	49 to 56	49 to 56	49 to 64	49 to 56 57 to 64 on the CM707B
4 =	ON	ON	OFF	OFF	OFF	65 to 72	65 to 72	65 to 80	65 to 72 73 to 80 on the CM707B
5 =	OFF	OFF	ON	OFF	OFF	81 to 88	81 to 88	81 to 96	81 to 88 89 to 96 on the CM707B
6 =	ON	OFF	ON	OFF	OFF	97 to 104	97 to 104	97 to 112	97 to 104 105 to 112 on the CM707B
7 =	OFF	ON	ON	OFF	OFF	113 to 120	113 to 120	113 to 128	113 to 120 121 to 128 on the CM707B
8 =	ON	ON	ON	OFF	OFF	129 to 136	129 to 136	129 to 144	129 to 136 137 to 144 on the CM707B

Table 19: Zone Assignments

Inputs > Zone Properties >

Pulse Count — MENU 3-1-3

Pulses [0][0]

00 - No Pulse Count
01 - 1 Pulse
02 - 2 Pulses
03 - 3 Pulses
04 - 4 Pulses
05 - 5 Pulses
06 - 6 Inertia Pulses
07 - 7 Inertia Pulses
08 - 8 Inertia Pulses
09 - 9 Inertia Pulses
10 - 10 Inertia Pulses
11 - 11 Inertia Pulses
12 - 12 Inertia Pulses
13 - Door Open Too Long
14 - PreDelay
15 - Reserved

Enter 0 – 15 + [OK] to program the number of pulses the zone must register within the zone pulse count time.

Inputs > Zone Properties >

Pulse Count Time — MENU 3-1-4

Seconds [1][2][0]

Enter value between 000 – 255 then select muliplier of seconds, minutes or hours. Press [OK] to save. Use the [←] and [→] keys to toggle between value and multiplier settings.

Inputs > Zone Properties >

Door Assignment — MENU 3-1-5

[0][0]

00 - Disabled
01 - Door 1 Name
02 - Door 2 Name
03 - Door 3 Name
04 - Door 4 Name
05 - Door 5 Name
06 - Door 6 Name
07 - Door 7 Name
08 - Door 8 Name
09 - Door 9 Name
10 - Door 10 Name
11 - Door 11 Name
12 - Door 12 Name
13 - Door 13 Name
14 - Door 14 Name
15 - Door 15 Name
16 - Door 16 Name

A single door can be assigned to each zone. Use the [↑] and [↓] keys to highlightdoor name, then press [OK] to save.

Inputs > Zone Properties >

Report Route — MENU 3-1-6

[0][1]

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK] to set the destination zone reports are sent to.

Zone Default Table

The table below list the default values for all zone parameters in the Solution 6000. By default, zones 5 to 16 are set as Instant zones and zones 17 to 144 are set as Not Used. Zones marked as Not Used do not require EOL resistors to be fitted.

Programming	Zone 1	Zone 2	Zone 3	Zone 4	Zones 5 - 16	Zones 17 - 144
Zone Name	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5 to 16	Zone 17 to 144
Zone Type	1 = Delay 1	5 = Handover	5 = Handover	5 = Handover	3 = Instant	0 = Not Used
Area Assignment	1	1	1	1	1	1
Pulse Count	0	0	0	0	0	0
Pulse Count Time	120	120	120	120	120	120
Door Assignment	0	0	0	0	0	0
Report Route	2	2	2	2	2	2
Reporting Options						
Lockout Dialler	Y	Y	Y	Y	Y	Y
Report Alarm	Y	Y	Y	Y	Y	Y
Report Troubles	Y	Y	Y	Y	Y	Y
Report Bypass	Y	Y	Y	Y	Y	Y
Report Restores	Y	Y	Y	Y	Y	Y
Delay Reporting	N	N	N	N	N	N
Zone Options						
Lockout Siren	Y	Y	Y	Y	Y	Y
Silent Alarm	N	N	N	N	N	N
Inverted Seal	N	N	N	N	N	N
Bypass Allowed	Y	Y	Y	Y	Y	Y
Sensor Watch	N	N	N	N	N	N
Armed In Part On	Y	Y	Y	Y	Y	Y
No EOL Required	N	N	N	N	N	N
Test On Exit	Y	Y	Y	Y	Y	Y

Table 20: Zone Defaults

Inputs > Zone Properties >

Report Options **MENU 3-1-7**

1	Lockout Dialler	Y
2	Report Alarm	Y
3	Report Troubles	Y
4	Report Bypass	Y
5	Reserved	N
6	Reserved	N
7	Report Restores	Y
8	Delay Reporting	N

Inputs > Zone Properties >

Zone Options **MENU 3-1-8**

1	Lockout Siren	Y
2	Silent Alarm	N
3	Inverted Seal	N
4	Bypass Allowed	Y
5	Sensor Watch	N
6	Armed In Part On	Y
7	No EOL Required	N
8	Test On Exit	Y

Inputs > RF Zone >

Add RF Device **MENU 3-3-0**

Delete RF Device **MENU 3-3-1**

Test RF Device **MENU 3-3-2**

Inputs > Global Input Options >

EOL Value — MENU 3-4-0

(*** System Wide Parameter ***) [0][5]

00 - No EOL	08 - 6k8 Ohm
01 - 1k0 Ohm	09 - 8k1 Ohm
02 - 1k5 Ohm	10 - 10k Ohm
03 - 2k2 Ohm	11 - 6K8 Alarm + 2k2 Tamp
04 - 2k7 Ohm	12 - 10k Alarm + 10k Tamp
05 - 3k3 Ohm	13 - 22k Ohm
06 - 4k7 Ohm	14 - 3k3 Alarm + 6k8 Tamp
07 - 5k6 Ohm	15 - Split EOL 3k3 //6k8

Use [↑] and [↓] keys or enter 0 - 15, then press [OK] to program globally the EOL resistor for all zones.

Inputs > Global Input Options >

Keyswitch Options — MENU 3-4-1

(*** System Wide Parameter ***) [0][0]

00 - Latching All On/Off	05 - Pulse All On/Off
01 - Latching All On	06 - Pulse All On
02 - Latch Part On/Off	07 - Pulse Part On/Off
03 - Latching Part On	08 - Pulse Part On
04 - Latching Off	09 - Pulse Part Off

Use [↑] and [↓] keys or enter 0 - 9, then press [OK] to program how the keyswitch will operate.

Inputs > Global Input Options >

Input Options — MENU 3-4-2

1	Tamper On Short	N
2	Reserved	N
3	Response Time 500msec	N
4	Reserved	N
5	Keyswitch Open Close	Y
6	Alarm On Tamper	N
7	Reserved	N
8	Reserved	N

(*** System Wide Parameter ***)

Inputs > PGM Input >

Keyswitch Options — MENU 3-5-0

[0][0]

00 - Disabled	03 - Simple RF On/Off
01 - Latching On/Off	04 - Bosch Serial Rcvr
02 - Pulse On/Off	05 - Crow Serial Rcvr (TBA)

Enter 0 - 8 + [OK] to select the interface method used for the given RF receiver.

Inputs > Tamper Inputs >

Tamper Options — MENU 3-6-0

1	Display Panel Tpr	Y
2	Report Panel Tpr	Y
3	Audible Panel Tpr	Y
4	Display Expander Tpr	Y
5	Report Expander Tpr	Y
6	Audible Expander Tpr	Y
7	Reserved	N
8	Reserved	N

Inputs > Input Testing >

Walk Test All Zones — MENU 3-9-0

Inputs > Input Testing >

Walk Test A Zones — MENU 3-9-1

Inputs > Input Testing >

Sensor Watch Time — MENU 3-9-2

(*** System Wide Parameter ***) [0][3][0]

Days

Enter 0 – 255 + [OK] to program the sensor watch time in days (0 = Disabled).

Output Programming

Outputs > Commands >

Output Status MENU 4-0-0

Turn Output On/Off MENU 4-0-1

Output Array MENU 4-0-2

Door Status MENU 4-0-3

Door Array MENU 4-0-4

Door Control MENU 4-0-5

Macro Array MENU 4-0-6

Outputs > Properties >

Output Name MENU 4-1-0

O	u	t	p	u	t		1		N	a	m	e							

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Outputs > Properties >

Event Type MENU 4-1-1

0	0	0

Use [↑] and [↓] keys or enter desired event type 0 – 255 + [OK]. See output event type table for available options.

Output Default Table

The table below list the default values for all Output parameters in the control panel. Outputs 1 to 4 are high current digital outputs and Output 5 is the onboard relay output. Outputs 9 to 40 are only available if the optional modules are fitted. Options marked N/A = Not Applicable.

Programming Option	Output 1	Output 2	Output 3	Output 4	Output 5	Output 9 - 40
Output Name	External Siren	Strobe Light	Smoke Sensor PWR	Internal Siren	On Board Relay	Output x Name
Event Type	36 (External Siren)	48 (Strobe)	49 (Smoke Sensor GND)	37 (Internal Siren)	54 (Keyfob Function 2)	00 (Not Used)
Event Assignment	0	0	0	0	0	0
Output Polarity	14 Speaker Output	6 1 Shot Low + Reset	11 Low 1 Shot Open	6 1 Shot Low + Reset	4 Open 1 Shot Low	0 Open To Low
Time Parameter						
N° Of Hours	000	008	000	000	000	000
N° Of Minutes	005	000	000	005	000	000
N° Of Seconds	000	000	010	000	002	000
N° Of 1/10 Seconds	000	000	000	000	000	000
Output Options						
Off On Low Battery	Y	Y	N	Y	N	N
Guest Control	N	N	N	N	N	N
Reserved	N	N	N	N	N	N
Monitor Overload	Y	Y	Y	Y	N	N
Monitor Device Fail	Y	Y	N	Y	N	N
Alarm On Device Fail	N	N	N	N	N	N
Block If All On	N	N	N	N	N	N
Show Status On Keypad	N	N	N	N	N	N

Table 21: Output Default Table

Output Event Types

00 - Disabled	P	26 - Entry Timing	A	52 - Exit Error	A
01 - Battery Trouble	P	27 - Exit Timing	A	53 - Keyfob Function 1	A
02 - AC Trouble	P	28 - End Of Exit Time	A	54 - Keyfob Function 2	A
03 - Telco Line Fail	P	29 - Chime On	A	55 - Output In PreDelay	Op
04 - Comm Fail	Rr	30 - Chime Zone Trigger	A	56 - Follow PIN Code	Ur
05 - 3rd Dial Attempt	Rr	31 - Auto Arm Pre Alert	A	57 - Part Entry Time	A
06 - Dest Reporting	Rr	32 - Ready To Arm All On	A	58 - TimeZones	Tz
07 - Disabled		33 - Ready To Part Arm	A	59 - Temperature Hi/Lo	Kp
08 - Dest Kiss Off	Rr	34 - Ready To Part 2 Arm	A	60 - Door	Dr
09 - User Keyfob Func 1	Ur	35 - Close Sent OK	A	69 - User Control	Ur
10 - User Keyfob Func 2	Ur	36 - External Audible	A	61 - Door Open Too Long	Dr
11 - Dialler Disabled	P	37 - Internal Audible	A	62 - Door Bell	A
12 - Output Device Missing	P	38 - Any Zone Alarm	A	70 - User Panic	Ur
13 - Output Trouble	Op	39 - Fire Alarm	A	71 - CLI Trigger	CLI
14 - Panel On Line	P	40 - Burglary Alarm	A	72 - GSM Signal Lost	P
15 - Incoming Call	P	41 - Silent Alarm	A	73 - GPRS Failure	P
16 - System Trouble	P	42 - Duress Alarm	A	74 - Ethernet Fail	P
17 - Box Tamper	Zn	43 - Keypad Medical	A	75 - Macro	Ma
18 - Zone Trouble	Zn	44 - Keypad Fire	A		
19 - Zone Mirror	Zn	45 - Keypad Panic	A		
20 - Zone Alarm	A	46 - Device Tamper	A		
21 - Area Disarmed	A	47 - Access Denied	A		
22 - Area Part Or All On	A	48 - Strobe	A		
23 - Area All On	A	49 - Smoke Sensor GND	A		
24 - Area Part On	A	50 - Sensor Watch	A		
25 - Area Part 2 On	A	51 - Senior Watch	A		

Legend:		
(Ma) = Macro	(CLI) = CLI Trigger Table	(A) = Area Event Assignment
(P) = Panel Event Assignment	(Op) = Output Event Assignment	(Zn) = Zone Event Assignment
(Ur) = User Event Assignment	(Tz) = TimeZone Event Assignment	(Dr) = Door Group Event Assignment
(Kp) = Keypad	(Rr) = Reporting Destination	

Table 22: Output Event Types

Output Assignments

Output Assignments						
Module Number	Address Setting					Output Number
	SW1	SW2	SW3	SW4	SW5	
Control Panel						1 to 5
Virtual Outputs						6 to 8
1 =	OFF	OFF	OFF	OFF	OFF	9 to 12
2 =	ON	OFF	OFF	OFF	OFF	13 to 16
3 =	OFF	ON	OFF	OFF	OFF	17 to 20
4 =	ON	ON	OFF	OFF	OFF	21 to 24
5 =	OFF	OFF	ON	OFF	OFF	25 to 28
6 =	ON	OFF	ON	OFF	OFF	29 to 32
7 =	OFF	ON	ON	OFF	OFF	33 to 36
8 =	ON	ON	ON	OFF	OFF	37 to 40

Table 23: Address Configuration and Output Assignments

Outputs > Properties >

Event Assignment — MENU 4-1-2

0 0 0

(A) = Area Assignment
Assign to Area 1 to 8 (0 = Any Area)

(P) = Control Panel

(Op) = Output Assignment
Assign to Output 1 to 40 (0 = Any Output)

(Zn) = Zone Assignment
Assign to Zone 1 to 144 (0 = Any Zone)

(Ur) = User Assignment
Assign to User 1 to 255 (0 = Any User)

(Tz) = TimeZone Assignment
Assign to TimeZone 1 to 16 (0 = Any TimeZone)

(Dr) = Door Assignment
Assign to Door Assignment 1 to 16 (0 = Any Door)

(Kp) = Keypad Assignment
Assign to Keypad/LAN Reader 1 to 16 (0 = Any Keypad/LAN Reader)

(Rr) = Reporting Destination
Assign to Destination 1 or 2 (0 = Destination 1 and/or Destination 2)

(Ma) = Macro Group Assignment
Assign to Macro Group (0 = Any Macro Group)

(CLI) = CLI Trigger Table
Assign to CLI Trigger Table 1 or 2 (0 = Both Tables)

Use [↑] and [↓] keys to program which Area, User, Zone, Keypad or Door Assignment etc you want the output to follow then press [OK].

Outputs > Properties >

Output Polarity — MENU 4-1-3

0 0

00 - Open To Low	08 - Low To Open + Pre
01 - Open To Low + Pre	09 - Low Latching Open
02 - Open Latching Low	10 - Low Pulsing Open
03 - Open Pulsing Low	11 - Low 1 Shot Open
04 - Open 1 Shot Low	12 - 1 Shot Open+Retrigger
05 - 1 Shot Low+Retrigger	13 - 1 Shot Open + Reset
06 - 1 Shot Low + Reset	14 - Speaker Output
07 - Low To Open	15 - Toggle

Enter 0 – 15 + [OK] to program the output polarity type. Each output can only have one polarity type programmed.

Outputs > Properties >

Time Parameter — MENU 4-1-4

Hour	Minute	Seconds	10th Sec
0 0 0	0 0 0	0 0 0	0 0 0

The time base parameter is only applicable for output types that are programmed as one shot or pulsing. Program 0 to 255 for each of the units (Hour, Minute, Seconds and 10th of a second) for the time parameter. Add the units together to give the total one shot time or pulsing on/off time.

One Shot Mode

The time base is the length of time that the output will operate.

For example, you may want a strobe output to operate for 1 hour, Either of the examples below will achieve the 1 hour time.

Total Time	Hour	Minute	Seconds	10th Sec
60 Minutes	001	000	000	000
60 Minutes	000	060	000	000

Table 24: One-Shot Polarity Example

Pulsing Mode

The time base is the unit of time that the output will pulse on and off. If the time base is programmed for 60 seconds, the output will pulse on for 60 seconds and then off for 60 seconds (repeat) until the output is reset.

Outputs > Properties >

Output Options — **MENU 4-1-5**

1	Off On Low Battery	Y
2	Guest Control	N
3	Reserved	N
4	Monitor Overload	Y
5	Monitor Device Fail	Y
6	Alarm On Device Fail	N
7	Block If All On	N
8	Show Status On Keypad	N

Outputs > Door Properties >

Door Name — **MENU 4-2-0**

D	o	o	r		1		N	a	m	e									

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Outputs > Door Properties >

Unlock TimeZone — **MENU 4-2-2**

0	0

00 - Disabled
01 - 24 Hour TimeZone
02 - TimeZone 2 Name
03 - TimeZone 3 Name
04 - TimeZone 4 Name
05 - TimeZone 5 Name
06 - TimeZone 6 Name
07 - TimeZone 7 Name
08 - TimeZone 8 Name
09 - TimeZone 9 Name
10 - TimeZone 10 Name
11 - TimeZone 11 Name
12 - TimeZone 12 Name
13 - TimeZone 13 Name
14 - TimeZone 14 Name
15 - TimeZone 15 Name
16 - TimeZone 16 Name

A single TimeZone can be assigned to each door. Use the [↑] and [↓] keys to highlight door name, then press [OK] to select. Enter 0 - 16 + [OK] to assign the door to a TimeZone – can only be Assigned to one TimeZone (0 = Disabled).

Outputs > Door Properties >

Door Options — **MENU 4-2-3**

1	Hold Off If Area Armed	Y
2	Hold Off Auto Unlock	N
3	Reserved	N
4	Report Door Forced	N
5	Alarm On Door Forced	N
6	Report DOTL	N
7	Alarm On DOTL	N
8	Lift Door	N

Outputs > Macros >

Name — **MENU 4-8-0**

M	a	c	r	o	s		1		N	a	m	e							

This menu allows you to program the name for each macro. A maximum of 8 different macros can be configured. Macro names can be up to 20 characters long.

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Outputs > Macros >

Macro Rule — **MENU 4-8-1**

This menu allows you to program the script for each macro. A maximum of 8 different macros can be configured. Macro scripts can be up to 20 characters long.

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Only the following characters are supported when constructing macro scripts.

Script Character	Character Represents
O	Output
A	Area All On
P	Area Part 1 On
Q	Area Part 2 On
M	Macro
T	TimeZone
H	Holiday
Z	Zone
D	Door
F	RF Keyfob Key
K	Keypad Arrow Key
	(Keypad keys incl. U/D/L/R)

Table 25: Macros Script Characters

The following macro script operators are available.

Operator Character	Operator Meaning
&	And
|	Or
!	Inverted Function

Table 26: Macros Operator Characters

Outputs > Macros >

Scene **MENU 4-8-2**

This menu allows you to program the scene for each macro. A maximum of 8 different scenes can be configured. Macro scenes can be up to 16 characters long.

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Only the following characters are supported when constructing macro scenes.

Script Character	Character Represents
O	Output
D	Door
A	Area
P	Part 1
Q	Part 2
Z	Zone Bypass
M	Macro (TBA)

Table 27: Macros Scene Characters

The following macro scene operators are available.

Operator Character	Operator Meaning
&	And
|	Or
!	Inverted Function

Table 28: Macro Scene Operator Characters

Outputs > Output Testing >

External Siren Test **MENU 4-9-0**

Internal Siren Test **MENU 4-9-1**

Strobe Test **MENU 4-9-2**

Fire Siren Test **MENU 4-9-3**

Comms Programming

Comms > Commands >

Reserved **MENU 5-0-0**

Call/Answer RAS **MENU 5-0-1**

Call Forward On/Off **MENU 5-0-2**

Check Web Email **MENU 5-0-3**

Email System Log **MENU 5-0-4**

Start Direct Link **MENU 5-0-5**

Comms > Commands >

Voice Setup **MENU 5-0-6**

This menu allows an installer or master user to record their personal messages that will be reported when using an optional Voice Module (CM101B). The optional voice module is required.

Comms > Commands >

Register Customer **MENU 5-0-8**

This menu is used to enter the customer registration number into the control panel. This unique 11 digit number is generated by the system owner when they create an account on MyAlarm web site.

This is required for panels using the MyAlarm iFob Control App. See the MyAlarm website for more information at www.myalarm.com.au

Comms > Commands >

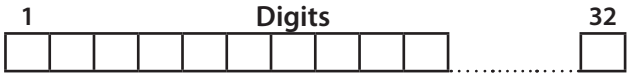
Register Installer **MENU 5-0-9**

This menu is used to enter the installer registration number into the control panel. This unique 11 digit number is generated by the installer when they create an installer account on the MyAlarm web site.

This number should be entered into all panels installed by the installer allowing them to view all of their panels via the MyAlarm web site.

Comms > Telephone Numbers >

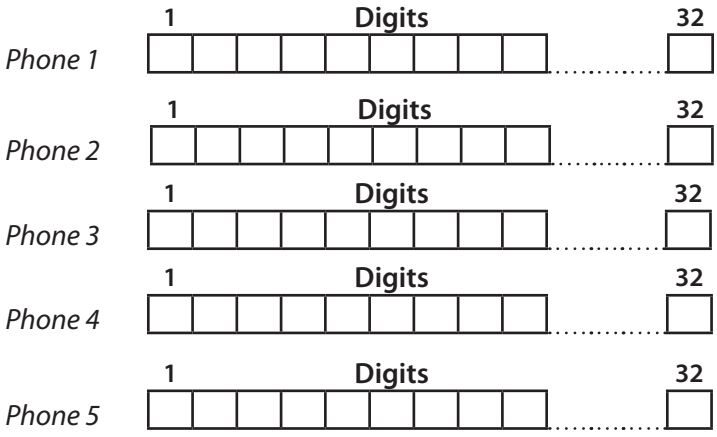
Number Prefix — MENU 5-1-0



Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Comms > Telephone Numbers >

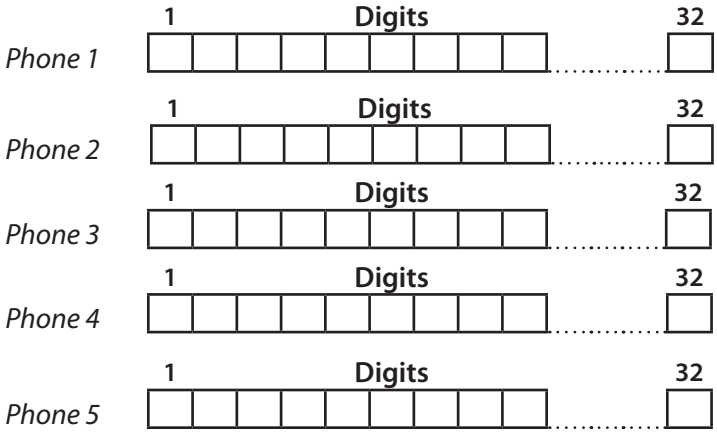
Destination 1 — MENU 5-1-1



Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Comms > Telephone Numbers >

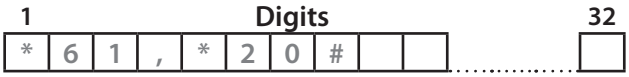
Destination 2 — MENU 5-1-2



Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Comms > Telephone Numbers >

Call Forward On — MENU 5-1-6



Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Comms > Telephone Numbers >

Call Forward Off — MENU 5-1-7

Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Comms > Properties >

Call Attempt Count — MENU 5-2-0

0 6

Enter 0 - 10 then press [OK] to program the maximum call retry attempts per destination

Comms > Properties >

Dialler Options — MENU 5-2-1

1	Dialler Enabled	Y
2	Pulse Dialling	N
3	Dial Tone Detect	Y
4	Busy Tone Detect	N
5	Mirror Report To Web	Y
6	Extend H/S To 1min	N
7	Reserved	N
8	Abort Failed Reports	Y

Comms > Properties >

Phone Line Options — MENU 5-2-2

1	Display Line Fail	Y
2	Report Line Fail	Y
3	Alarm L/Fail If On	Y
4	Alarm L/Fail If Off	N
5	Reserved	N
6	Digital Line	N
7	Low Voltage	N
8	Display On Line	N

Comms > Properties >

Country — MENU 5-2-3

(*** System Wide Parameter ***) [0][1]

Ln1 AUSTRALIA
Ln2 NEW ZEALAND
Ln3 ITALY
Ln4 GREECE
Ln5 CYPRUS
Ln6 SPAIN
Ln7 PORTUGAL
Ln8 HUNGARY
Ln9 CZECH REPUBLIC
Ln10 POLAND
Ln11 TURKEY
Ln12 CHINA
Ln13 HONG KONG
Ln14 MALAYSIA
Ln15 BRAZIL

Use [↑] and [↓] keys or enter 0 – 15 + [OK] to set which country the panel is being used in. Only 1 option can be programmed.

Comms > Properties >

Set SMS Pasword — MENU 5-2-7

[p][a][s][s][w][d][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Comms > Remote Access >

Call Back Number — MENU 5-3-0

1 Digits 32

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] ..... [ ]

Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Comms > Remote Access >

RAS Security PIN — MENU 5-3-1

[1][2][3][4][5][6][7][8]

Use keys [0] - [9] to program RAS Security PIN + [OK] to save.

Comms > Remote Access >

Log Threshold — MENU 5-3-2

[7][0] %

Enter 0 - 9 to program log threshold + [OK] to save.

Comms > Remote Access >

Ring Count — MENU 5-3-3

00 - No Answer
01 to 30 - Answer Ring Count

[2][0]

Use [↑] and [↓] keys or enter 0 - 30 then press [OK] to program the ring count - single option only.

Comms > Remote Access >

RAS Options — MENU 5-3-4

1	RAS Allowed	Y
2	Callback Verify	N
3	Abort RAS On Alarm	Y
4	Answer Bypass	Y
5	Answer Only If Armed	N
6	RAS Only If Disarmed	N
7	Allow User Functions	Y
8	Report RAS Sessions	Y

Comms > Remote Access >

DTMF Options — MENU 5-3-5

1	DTMF Arming	Y
2	DTMF Disarming	N
3	DTMF User Functions	N
4	DTMF Quick Arming	Y
5	Reserved	N
6	Reserved	N
7	Reserved	N
8	Reserved	N

Comms > Remote Access >

Voice Access Code — MENU 5-3-6

[9][#]

Reserved for future use.

Comms > Remote Access >

CLI Numbers — MENU 5-3-7

First Number 1 Digits 32

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] ..... [ ]

Second Number 1 Digits 32

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] ..... [ ]

Third Number 1 Digits 32

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] ..... [ ]

Use [←] and [→] keys to scroll cursor left and right. Enter [0] – [9] for digits and use [↑] and [↓] to toggle special characters - * # and , (pause).

Note

Up to 3 Phone numbers can be entered for CLI Call Line Identification for remote access detection. Press [OK] after each telephone number is entered to save and move to the next number. The control panel ***is only required to match part of the CLI telephone number programmed to the number of the incoming call.***

Example

If the programmed CLI telephone number is 0296721777, the control panel would only be required to match part of the telephone number (eg. 96721777) to answer the incoming call.

Comms > Remote Access >

User RAS PIN — MENU 5-3-8

0	0	0	0	0	0	0	0

Use keys [0] - [9] to program User RAS Security PIN + [OK] to save.

Comms > Reporting >

TX Format Dest 1 — MENU 5-4-0

0	1

00 - Disabled
01 - Contact ID PSTN
02 - SIA PSTN
03 - Reserved
04 - Reserved
05 - Reserved
06 - SMS PSTN
07 - Domestic PSTN
08 - Voice PSTN
09 - SIA+ PSTN
10 - PSTN Voice+GSM SMS
11 - GSM 2G Contact ID
12 - GSM SMS
13 - Ethernet
14 - GPRS
15 - MyAlarm IP

Use [↑] and [↓] keys or enter 0 – 15 then press [OK] to program the transmission format the control panel will use to report to Destination 1. Only 1 option can be programmed.

Comms > Reporting >

TX Format Dest 2 — MENU 5-4-1

0	1

00 - Disabled
01 - Contact ID PSTN
02 - SIA PSTN
03 - Reserved
04 - Reserved
05 - Reserved
06 - SMS PSTN
07 - Domestic PSTN
08 - Voice PSTN
09 - SIA+ PSTN
10 - PSTN Voice+GSM SMS
11 - GSM 2G Contact ID
12 - GSM SMS
13 - Ethernet
14 - GPRS
15 - MyAlarm IP

Use [↑] and [↓] keys or enter 0 – 15 then press [OK] to program the transmission format the control panel will use to report to Destination 2. Only 1 option can be programmed.

Comms > Reporting

Test Route — MENU 5-4-2

0	1

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK]. Enter single option only. (*** System Wide Parameter ***).

Comms > Reporting

System Route — MENU 5-4-3

0	1

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK]. Enter single option only. (*** System Wide Parameter ***).

Comms > Reporting

Emergency Route — MENU 5-4-4

0	1

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK]. Enter single option only. (*** System Wide Parameter ***).

Comms > Reporting >

Swinger Dialler — MENU 5-4-5

(*** System Wide Parameter ***)

0	6

Enter 0 – 15 + [OK] to program number of times the dialler can report before lockout. 0 = Unlimited.

Comms > Reporting >

Burg Report Delay — MENU 5-4-6

(*** System Wide Parameter ***)

0	0	0

Seconds

Enter 0 – 255 seconds + [OK] to program the delay time in seconds before reports are sent. 0 = No Delay.

Comms > Reporting >

Fire Report Delay — MENU 5-4-7

(*** System Wide Parameter ***)

0	0	0

Seconds

Enter 0 – 255 seconds + [OK] to program the delay time in seconds before reports are sent. 0 = No Delay.

Comms > MyAlarm >

IP Address — MENU 5-5-0

	1			Digits								12
Dest Nº 1	0	0	0	0	0	0	0	0	0	0	0	0

Factory Set. Do not change unless advised to do so by the manufacturer.

Comms > MyAlarm >

IP Port — MENU 5-5-1

0	9	0	5	0

Factory Set. Do not change unless advised to do so by the manufacturer.

Comms > MyAlarm >

MyAlarm Options — MENU 5-5-2

1	Disp Eth/WiFi Poll Fail	N
2	Rpt Eth/WiFi Poll Fail	N
3	Disp Cellular Poll Fail	N
4	Rpt Cellular Poll Fail	N
5	Disable Eth/WiFi MyAlar	N
6	Reserved	N
7	Reserved	N
8	Static IP	N

Comms > MyAlarm >

Gateway Numbers — MENU 5-5-7

SMS Primary

1				Digits								32
1	3	4	5	0	6	4	1					

SMS Secondary

1				Digits								32
1	3	4	5	1	8	2	5					

Email

1				Digits								32
1	3	4	5	2	5	0	5					

MyAlarm

1				Digits								32
1	3	4	5	2	5	0	5					

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Comms > MyAlarm >

Email Address — MENU 5-5-8

Email Address	1				Characters						80

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position. To program the '@' symbol, press the [↑] key 32 times.

Comms > MyAlarm >

Email Options — MENU 5-5-9

1	Open Close	Y
2	Zones	Y
3	System	Y
4	Access	Y
5	Reserved	N
6	Reserved	N
7	Reserved	N
8	Reserved	N

Comms > IP Reporting >

Receiver IP — MENU 5-6-0

	1			Digits								12
Dest Nº 1	0	0	0	0	0	0	0	0	0	0	0	0
	1			Digits								12
Dest Nº 2	0	0	0	0	0	0	0	0	0	0	0	0

Use [←] and [→] keys to scroll cursor, enter 0 – 9 for IP address digits and press [OK] to save when finished.

Comms > IP Reporting >

Receiver Port — MENU 5-6-1

Dest Nº 1	0	7	7	0	0
Dest Nº 2	0	7	7	0	0

Enter base station port number - must be 5 digits within the range 0 to 65535. Use [←] and [→] keys to scroll cursor. Press [OK] to save.

Comms > IP Reporting >

Poll Rate — MENU 5-6-2

0	3	6	0

Seconds x10

Enter 0000 - 9999 + [OK] to program the poll rate time in seconds (x10) for both Destination 1 and/or Destination 2.

Comms > IP Reporting >

ACK Wait Time — MENU 5-6-3

0 1 0

Seconds

Enter 0 - 255 + [OK] to program the acknowledge wait time in seconds for both Destination 1 and/or Destination 2.

Comms > IP Reporting >

IP Format — MENU 5-6-4

0 1

00 - Conettix
01 - Conettix NNC (Anti Replay)
02 - CSV IP ALARM
03 - SIA UDP
04 - SIA
05 - SIA+
06 - CSV IP UDP
07 - MyAlarm Contact ID
08 - MyAlarm CSV

Enter 0 - 7 + [OK] to program the IP format for both Destination 1 and/or Destination 2.

Comms > IP Reporting >

Retry Count — MENU 5-6-5

0 3

Enter 0 – 15 + [OK] to program the IP retry count (0 = No Retry) for both Destination 1 and/or Destination 2.

Comms > IP Reporting >

Encryption Key — MENU 5-6-6

Dest Nº 1 1 Digits 32: 0 0 0 0 0 0 0 0 0 0 0

Dest Nº 2 1 Digits 32: 0 0 0 0 0 0 0 0 0 0 0

The encryption key must match the encryption key on the base station receiver for communication to take place. To remove encryption set MENU-5-6-6 to all zeros.

Comms > IP Reporting >

Conettix NNC — MENU 5-6-7

Dest Nº 1 0 0 0 0 0 0 0 0

Dest Nº 2 0 0 0 0 0 0 0 0

The NNC number is used to prevent anti-replay attacks when reporting in Connetix format. The NNC number will be assigned by the control room at the time the account is setup. Like the account number the NNC will always be unique.

Comms > IP Reporting >

SIA IP Prefix — MENU 5-6-8

Account Dest Nº 1 1 Digits 16: 0 0 0 0 0 0 0 0 0 0

Account Dest Nº 2 1 Digits 16: 0 0 0 0 0 0 0 0 0 0

Account Prefix Dest Nº 1 1 Digits 6: 0 0 0 0 0 0

Account Prefix Dest Nº 2 1 Digits 6: 0 0 0 0 0 0

Receiver Prefix Dest Nº 1 1 Digits 6: 0 0 0 0 0 0

Receiver Prefix Dest Nº 2 1 Digits 6: 0 0 0 0 0 0

Highlight the parameter that you want to program, then press [OK] to select. Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Comms > IP Reporting >

User Name/Password — MENU 5-6-9

Username 1 Digits 16: .....

Password 1 Digits 16: .....

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Comms > IP Remote Access >

IP Address — MENU 5-7-0

Installer 1 Digits 12: 0 0 0 0 0 0 0 0 0 0 0 0

User 1 Digits 12: 0 0 0 0 0 0 0 0 0 0 0 0

Use [←] and [→] keys to scroll cursor, use [0] – [9] keys to enter IP address, then press [OK] to save when finished.

Comms > IP Remote Access >

IP Port — MENU 5-7-1

Installer 0 7 7 0 1

User 0 7 7 0 1

Enter IP Port - must be 5 digits within the range 0 to 65535. Use [←] and [→] keys to scroll cursor. Press [OK] to save.

Comms > IP Remote Access >

IP RAS Options — MENU 5-7-2

1	IP RAS Allowed	Y
2	RAS Only If Disarmed	N
3	Report IP Session	Y
4	Report IP Lockout	Y
5	UDP Installer RAS	Y
6	UDP User RAS	Y
7	Reserved	N
8	Reserved	N

Comms > IP Remote Access >

RAS Lockout Time — MENU 5-7-3

[0][6][0]
Seconds

Enter 0 - 255 + [OK] to program the acknowledge wait time in seconds.

Comms > IP Remote Access >

IPRS Address — MENU 5-7-5

[2][0][2] [1][2][9] [0][8][3] [0][5][8]

Reserved for factory use. Do not change unless requested to do so.

Comms > IP Remote Access >

IPRS Port — MENU 5-7-6

[0][7][7][0][3]

Reserved for factory use. Do not change unless requested to do so. Must be 5 digits within the range 0 to 65535.

Comms > Comms Test >

Send Test Report — MENU 5-9-0

Comms > Comms Test >

Test Report Time — MENU 5-9-1

Test Time
[0][2] : [0][0]
H H : M M

Use the [←] and [→] keys to move to the field then [↑] and [↓] to change. Press [OK] to save or [MENU] to exit without saving.

Note

Scroll through hours using the [↑] ***and*** [↓] ***to change from am to pm.***

Comms > Comms Test >

Test Report Period — MENU 5-9-2

(*** System Wide Parameter ***) [0][1]

00 - No Test Report
01 - Every Day
02 - Every Week
03 - Every Month
04 - Every 2 Days
05 - Every 3 Days
06 - Every 4 Days
07 - Every 5 Days
08 - Reserved
09 - Reserved
10 - Reserved
11 - Reserved
12 - Reserved
13 - Reserved
14 - Every Hour
15 - Every 12 Hours

MENU 5-9-2 programs the interval between automatic test reports. Use [↑] and [↓] keys or enter [0] to [15] + [OK] to program.

Comms > Comms Test >

Test Report Options — MENU 5-9-3

1	Test If No Other Rpt	N
2	Test On Siren Reset	Y
3	Reserved	N
4	Reserved	N
5	Reserved	N
6	Reserved	N
7	Reserved	N
8	Reserved	N

Comms > Reporting

Test Route — MENU 5-9-4

[0][1]

00 - Log Events Only
01 - Dest 1 + Log
02 - Dest 2 + Log
03 - Dest 1 & 2 + Log
04 - Dest 2 If 1 Fails

Use [↑] and [↓] keys or enter 0 - 4 + [OK]. Enter single option only. (*** System Wide Parameter ***).

Comms > Comms Test >

Dial Number Test — MENU 5-9-5

Use the option to test the system dialer to your mobile or other phone. Enter the digits to dial and press OK. The system will call the number entered. This function will stop after 30 seconds, or by pressing [OK]. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special Characters * # and , (Pause).

Device Programming

Devices > Commands >

Device Status	**MENU 6-0-0**
LAN Secure	**MENU 6-0-1**
LAN Scan	**MENU 6-0-2**
LAN Watch	**MENU 6-0-3**
Keypad Volume	**MENU 6-0-7**
Keypad Contrast	**MENU 6-0-8**
Keypad Backlight	**MENU 6-0-9**

Devices > Keypads & Readers >

Name **MENU 6-1-0**

K	e	y	p	a	d		1		N	a	m	e						

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Devices > Keypads & Readers >

Area Options **MENU 6-1-2**

1	All On Arming Allowed	Y
2	Part On Arming Allowed	Y
3	Disarming Allowed	Y
4	Single Button Control	Y
5	All User Areas	N
6	Zero Exit Time	N
7	PIN To Change Area	N
8	Home Area Only	N

Devices > Keypads & Readers >

Home Area **MENU 6-1-3**

0	1

00 - No Area
01 - Security System
02 - Area 2 Name
03 - Area 3 Name
04 - Area 4 Name
05 - Area 5 Name
06 - Area 6 Name
07 - Area 7 Name
08 - Area 8 Name

Use [↑] and [↓] keys or enter 0 - 8 then press [OK] to program. This is the area that will be displayed on the keypad by default.

Note

All keypads must have a home area programmed to work correctly.

Devices > Keypads & Readers >

General Options **MENU 6-1-4**

1	Enable Rear Tamper	N
2	Report Temperature	Y
3	Installer PIN Allowed	Y
4	Show Alarm When Armed	Y
5	Reader Area Control	Y
6	Reader Badging	N
7	Enable Egress Input	N
8	Log Egress Events	N

Devices > Keypads & Readers >

Indicator Options **MENU 6-1-5**

1	Extinguish	N
2	Greetings	Y
3	Display Temperature	N
4	Display Area Icons	N
5	Trouble Alert Beeps	Y
6	Entry Exit Warning	Y
7	Part Exit Warning	N
8	Chime Tone	Y

Devices > Keypads & Readers >

Emergency Keys **MENU 6-1-6**

1	Audible Keypad Fire	Y
2	Report Keypad Fire	Y
3	Audible Keypad Medical	Y
4	Report Keypad Medical	Y
5	Audible Keypad Panic	Y
6	Report Keypad Panic	Y
7	Reserved	N
8	Reserved	N

Devices > Keypads & Readers >

Door Assignment **MENU 6-1-7**

0	0

00 - No Door Assignment
01 - Door 1 Name
02 - Door 2 Name
03 - Door 3 Name
04 - Door 4 Name
05 - Door 5 Name
06 - Door 6 Name
07 - Door 7 Name
08 - Door 8 Name
09 - Door 9 Name
10 - Door 10 Name
11 - Door 11 Name
12 - Door 12 Name
13 - Door 13 Name
14 - Door 14 Name
15 - Door 15 Name
16 - Door 16 Name

A single door can be assigned to each keypad. Use the [↑] and [↓] keys to highlight door name, then press [OK] to save.

Devices > Keypads & Readers >

Lockout Time — MENU 6-1-8

(*** System Wide Parameter ***) [0][6][0]

Seconds

Enter 001 – 255 + [OK] to program the keypad lockout time in seconds. 000 = No Lockout.

Devices > Keypads & Readers >

WiFi Settings — MENU 6-1-9

SSID Scan
SSID
Security
Password
IP Address
Subnet Mask
Default Gateway
MAC Address
IP Options

This menu allows users and installers to scan local on-site Wi-Fi networks using the CP741B keypad including setting the required Wi-Fi security settings and password.

Devices > RF Devices >

Receiver Options — MENU 6-2-0

1	Display RF Rcvr Trouble	Y
2	Alarm RF Rcvr Tamper	Y
3	Report RF Rcvr Tamper	Y
4	Alarm RF Rcvr Jamming	N
5	Report RF Rcvr Jamming	N
6	Alarm Rcvr Comms Fail	Y
7	Report Rcvr Comm Fail	Y
8	Reserved	N

Device > RF Devices >

Supervision Time — MENU 6-2-1

(*** System Wide Parameter ***) [0][2][4]

Hours

Enter the supervision time for RF devices in hours (001 - 255 Hours) 000 = No Supervision.

Device > RF Devices >

RF Device Options — MENU 6-2-2

1	Display RF Tamper	Y
2	Report RF Tamper	Y
3	Report RF Low Battery	Y
4	Report Lost RF Devices	Y
5	Open Zone On Lost RF	N
6	Audible Keyfob Panic	Y
7	Report Keyfob Panic	Y
8	Keyfob Func Part On	Y

Devices > RF Devices >

Add RF Keypad — MENU 6-2-3

Delete RF Keypad — MENU 6-2-4

View RF Device ID — MENU 6-2-5

Smart Keyfob Func — MENU 6-2-6

This menu configures each button and function of smart keyfobs. Buttons 1 to 5 are single press functions and buttons 6 to 10 are hold down functions.

Devices > Serial Device >

Device Type — MENU 6-3-0

00 - Disabled [0][0]
01 - Serial Printer
02 - Computer

Use [↑] and [↓] keys or enter 0 – 2 + [OK] to program the type of Serial device connected to the serial port.

Devices > Serial Device >

Baud Rate — MENU 6-3-1

00 - No Device Conn [0][0]
01 - 300 Baud
02 - 600 Baud
03 - 1200 Baud
04 - 2400 Baud
05 - 9600 Baud
06 - 19200 Baud

Use [↑] and [↓] keys or enter 0 – 2 to program the serial device baud rate, then press [OK] to save.

Devices > Serial Device >

Flow Control — MENU 6-3-2

00 - No Handshaking [0][0]
01 - Hardware
02 - Xon-Xoff

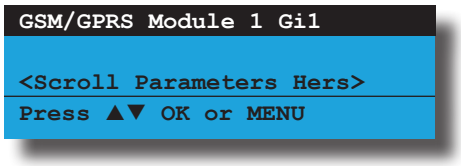
Use [↑] and [↓] keys or enter 0 – 2 to program the serial device flow control, then press [OK] to save.

Devices > GSM/GPRS Module >

GSM/GPRS Status — MENU 6-5-0

This command interrogates the GSM module and displays infomration about the radio and the SIM installed. The first line is a heading which indicates the GSM module type that is installed. Typical information available includes details on the installed radio, the SIM provider and signal strength of the currently active SIM.

It should be noted that the use of SIM 2 is restricted to reporting protocols that utilise the dual sim where SIM 2 is a backup.



The following parameters will be displayed one at time on the display.

IMEI

Radio Model

Radio Firmware

Radio S/N

Provider

Signal Strength

Dual Sims Detected

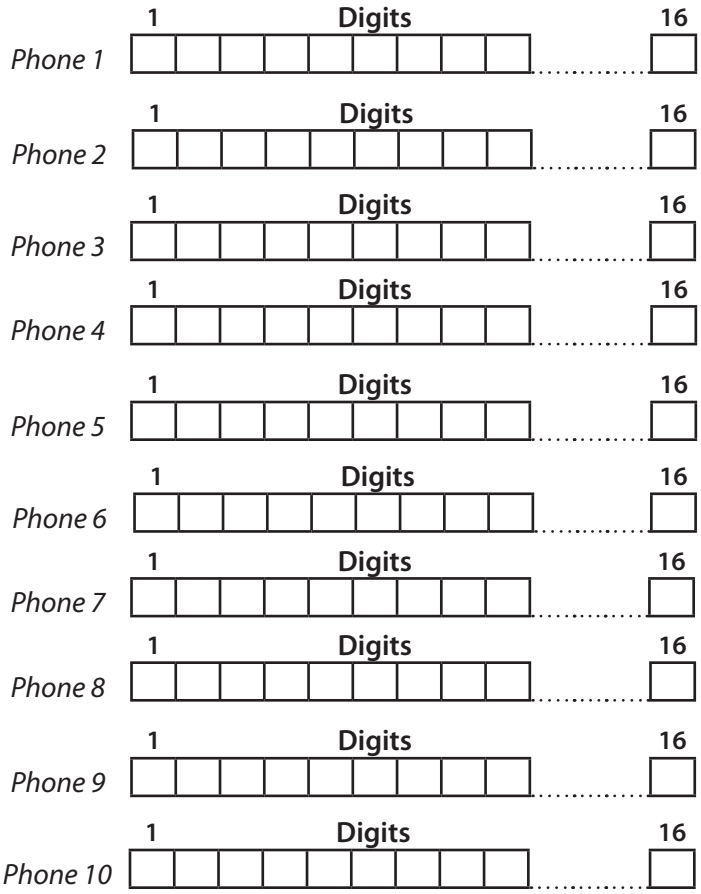
Devices > GSM/GPRS Module >

GSM/GPRS Options — MENU 6-5-1

1	Auto Forward SMS	N
2	Forward SMS To Mail	N
3	Reserved	N
4	Reserved	N
5	Reserved	N
6	Report Device Fail	N
7	Reserved	N
8	Reserved	N

Devices > GSM/GPRS Module >

CLI Trigger Table 1 — MENU 6-5-5-0



Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Note

Up to 10 CLI telephone numbers can be entered for Table 1. Press [OK] after each telephone number is entered to save and move to the next telephone number. The control panel is only required to match part of the CLI telephone number programmed to the number of the incoming call.

Do not enter international or domestic prefixes when entering CLI numbers. Eg. enter 0423584578 and not +61423584578

Devices > GSM/GPRS Module >

CLI Trigger Table 2 — MENU 6-5-5-1

	1 Digits 16
Phone 1	
Phone 2	
Phone 3	
Phone 4	
Phone 5	
Phone 6	
Phone 7	
Phone 8	
Phone 9	
Phone 10	

Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Note

Up to 10 CLI telephone numbers can be entered for Table 2. Press [OK] after each telephone number is entered to save and move to the next telephone number. The control panel is only required to match part of the CLI telephone number programmed to the number of the incoming call.

Do not enter international or domestic prefixes when entering CLI numbers. Eg. enter 0423584578 and not +61423584578

Devices > GSM/GPRS Module >

SMS Control — MENU 6-5-6

	1 Digits 16
Phone 1	
Phone 2	
Phone 3	
Phone 4	
Phone 5	
Phone 6	
Phone 7	
Phone 8	
Phone 9	
Phone 10	

Use [←] and [→] keys to scroll cursor. Enter [0] – [9] for telephone digits. Use [↑] and [↓] to toggle special characters * # and , (Pause).

Note

Up to 10 telephone numbers can be entered to provide SMS control. Press [OK] after each telephone number is entered to save and move to the next telephone number. Do not enter international or domestic prefixes when entering SMS Control numbers. Eg. enter 0423584578 and not +61423584578

Devices > GSM/GPRS Module >

APN Server Name — MENU 6-5-7

	1 Digits 32
APN Server Name	

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Devices > GSM/GPRS Module >

APN Username — MENU 6-5-8

APN Username 1 **Digits** 32

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Enter the appropriate name of your 3G/4G GPRS mobile network provider to connect to the public Internet. For example Telstra APN=Telstra.wap, Optus APN=yesinternet or APN = connectme, Vodafone APN=live.vodafone.com

Devices > GSM/GPRS Module >

APN Password — MENU 6-5-9

APN Password 1 **Digits** 32

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

Devices > Ethernet Module >

Module IP Address — MENU 6-6-0

0 0 0 0 0 0 0 0 0 0 0 0

This is the IP address of the module on the customers internal local area network.

Devices > Ethernet Module >

Subnet Mask — MENU 6-6-1

0 0 0 0 0 0 0 0 0 0 0 0

This can be found by running IPCONFIG on a PC connected to the clients network. Typical Subnet mask is 255.255.255.0.

Devices > Ethernet Module >

Default Gateway — MENU 6-6-2

0 0 0 0 0 0 0 0 0 0 0 0

This gateway IP address can be found by running IPCONFIG on a PC connected to the clients network.

Devices > Ethernet Module >

Module MAC Address — MENU 6-6-3

0 0 0 0 0 0 0 0 0 0 0 0

This is the hardware machine address of the module and can be found on the bar-coded sticker on the module.

Devices > Ethernet Module >

Ethernet Options — MENU 6-6-9

1	Display Faults	Y
2	Report Network Lost	Y
3	Report IP Conflict	Y
4	Report Poll Fail	Y
5	Reserved	N
6	Reserved	N
7	Reserved	N
8	Report Module Missing	N

Note

See the ethernet module installation guide for more detailed explaination on installation configuring the ethernet module.

System Programming

System > Commands >

Panel Status — MENU 7-0-0

System Trouble — MENU 7-0-1

History Log — MENU 7-0-2

Domestic Default — MENU 7-0-3

Factory Default — MENU 7-0-4

Template Default — MENU 7-0-5

Reserved for future use.

TimeZone Array — MENU 7-0-6

Service Mode — MENU 7-0-8

System > Clock >

Set Date And Time — MENU 7-1-0

System > Clock >

Summertime On — MENU 7-1-1

At 2:00am — **Month** - - - **Week** - - - **Day** - - -

(*** System Wide Parameter ***)

Program the month of the year (Jan – Dec), week of the month (Wk1 to Last) and day of the week (Sun To Sat). Use [←] and [→] keys to scroll cursor left and right and use [↑] and [↓] to toggle options.

System > Clock >

Summertime Off — MENU 7-1-2

At 2:00am	Month	Week	Day
	- - -	- - -	- - -

(*** System Wide Parameter ***)

Program the month of the year (Jan – Dec), week of the month (Wk1 to Last) and day of the week (Sun To Sat). Use [←] and [→] keys to scroll cursor left and right and use [↑] and [↓] to toggle options.

System > Clock >

Locale — MENU 7-1-3

(*** System Wide Parameter ***) [0 0]

00 - Disabled
01 - SYDNEY
02 - MELBOURNE
03 - BRISBANE
04 - ADELAIDE
05 - PERTH
06 - HOBART

MENU 7-1-3 programs the locale in Australia. Use [↑] and [↓] keys or enter [0] to [15] + [OK] to program.

System > Power >

AC Options — MENU 7-3-0

1	Display AC Fail	Y
2	Report AC Fail	Y
3	Sync Clock To AC	Y
4	Random AC Report 2hr	N
5	AC Fail After 1hr	N
6	Reserved	N
7	Reserved	N
8	Display Clock Trouble	Y

System > Power >

Battery Options — MENU 7-3-1

1	Display Battery Fail	Y
2	Report Battery Fail	Y
3	Battery Test On Arming	Y
4	OK To Arm Low Battery	Y
5	Reserved	N
6	Reserved	N
7	Reserved	N
8	Reserved	N

System > Power >

Fuse Options — MENU 7-3-2

1	Display COMM+ O/Load	Y
2	Report COMM+ O/Load	Y
3	Display +12v O/Load	Y
4	Report +12v O/Load	Y
5	Display LAN O/Load	Y
6	Report LAN O/Load	Y
7	Reserved	N
8	Reserved	N

System > Siren >

Tone — MENU 7-4-0

Speed — MENU 7-4-1

Volume — MENU 7-4-2

(*** System Wide Parameter ***) [1 5]

Enter 0 – 15 + [OK] to program the speaker beep volume of the siren for RF keyfob and keyswitch input operation (0 = Disabled / 1 = Low – 15 = High).

System > Siren >

Siren Swinger — MENU 7-4-3

(*** System Wide Parameter ***) [0 3]

Enter 0 – 15 + [OK] to program number of times siren can sound before lockout. (0 = Unlimited).

System > TimeZones >

Name — MENU 7-5-0

[T i m e Z o n e _ 2 _ N a m e _ _ _ _ _]

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

System > TimeZones >

Time — MENU 7-5-1

	Start Time	Stop Time
Period 1	-- : -- : -- (HH MM SS)	-- : -- : -- (HH MM SS)
Period 2	-- : -- : -- (HH MM SS)	-- : -- : -- (HH MM SS)
Period 3	-- : -- : -- (HH MM SS)	-- : -- : -- (HH MM SS)
Period 4	-- : -- : -- (HH MM SS)	-- : -- : -- (HH MM SS)

Use [←] and [→] keys to scroll cursor left and right. Use keys [0] – [9] to enter time in hours (HH) / minutes (MM) and seconds (SS). Press [OFF] to disable the time and press [OK] to save.

System > TimeZones >

Day — MENU 7-5-2

	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Hol
Period 1	N	N	N	N	N	N	N	N
Period 2	N	N	N	N	N	N	N	N
Period 3	N	N	N	N	N	N	N	N
Period 4	N	N	N	N	N	N	N	N

Enter 1 – 8 to toggle days ON/OFF, then press [OK] to save.

Note

To create a timezone for auto arming you must enter the arm time in the stop time field. For example, if you want the system to arm at 5.30pm you would program 17:30:00 in the stop field.

If auto disarming is also required then you would enter the disarm time in the start time field of the same timezone period. For example, if you want the system to disarm at 7.30am you would program 07:30:00 in the start field. See the full installation manual for more details.

System > TimeZones >

TimeZone Options — MENU 7-5-3

1	Invert Period Logic	N
2	Master Edit Allowed	N
3	Reserved	N
4	Reserved	N
5	Reserved	N
6	Reserved	Y
7	Reserved	N
8	Reserved	Y

System > Holidays >

Holiday Name — MENU 7-6-0

Holiday 1 Name

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

System > Holidays >

Start Stop Dates — MENU 7-6-1

Start 12am		Stop 12am	
01	Jan	01	Jan
DD	MM	DD	MM

Use the [←] and [→] keys to move to the field then [↑] and [↓] to change. Press [OK] to save or [MENU] to exit without saving.

Note

Press [OFF] to disable the holiday.

System > System Options >

General Options — MENU 7-7-0

1	Display LAN Fail	Y
2	Report LAN Fail	Y
3	Alarm On LAN Fail	N
4	Cannot Change Own PIN	N
5	Extend LAN Fail *(Enable when using CM430S)*	N
6	Monitor Default PINs	Y
7	PIN Always Required	N
8	Display Menu Numbers	Y

(*** System Wide Parameter ***)

System > System Options >

Area Options — MENU 7-7-1

1	Area 1 Common	N
2	First Open Last Close	N
3	Reset Siren All Users	Y
4	Power Up As Down	Y
5	Fault ACK All Areas	Y
6	Delay Trouble Beeps	Y
7	Power Up Disarmed	N
8	Ignore Trouble On Arm	N

(*** System Wide Parameter ***)

System > System Options >

Keypad Idle Screen — MENU 7-7-2

(*** System Wide Parameter ***) [0][0]

00 - No Idle Screen
01 - Date And Time
02 - Time
03 - Custom Screen

Use [↑] and [↓] keys or enter 0 - 3, then press [OK] to program the keypad idle screen - Single option only.

System > System Options >

Keypad Hi/Lo Temp — MENU 7-7-3

[0][0][0] °C Hi TEMP [0][0][0] °C Lo TEMP

(*** System Wide Parameter ***)

Use [↑] and [↓] Keys To Program The High / Low Keypad Monitor Temperature. Max = 50 / Min = 0.

System > System Options >

Installer Options — MENU 7-7-4

1	Report Installer	N
2	Report Prog Change	Y
3	Restrict Installer PIN	N
4	Reserved	N
5	Auto Exit Install 2hr	Y
6	Auto Exit Service 2hr	Y
7	Multi Tenant Mode	N
8	Allow Defaulting	Y

(*** System Wide Parameter ***)

System > System Options >

Language — MENU 7-7-5

0 - English
1 - Alternate Language [0]

Enter digits 0 – 1 to program the language required, then press [OK] to save.

System > System Options >

Site Name — MENU 7-7-7

1 Characters 32

[M][y][A][l][a][r][m][ ][ ] ..... [ ]

Use the [←] and [→] keys to scroll cursor left and right. Use the [0] – [9] keys or the [↑] and [↓] keys to scroll characters, then press [OK] to save. Press [OFF] to clear text from the current cursor position.

System > System Testing >

Walk Test All Zones — MENU 7-9-0

Battery Test — MENU 7-9-1

Testing The System

You will need to be in programming mode before accessing the test functions listed below.

Walk Test

Use the walk test command MENU 3-9-0 to test and verify that all zones work correctly.

External Audible Test

Use MENU 4-9-0 to test and verify that all horn speakers operate. This test will sound the horn speaker for two seconds.

Internal Audible Test

Use MENU 4-9-1 to test and verify that all 12 VDC sirens operate. This test will sound the siren for two seconds.

Strobe Test

Use MENU 4-9-2 To test and verify that the strobe operates. This test will turn on the strobe until you manually stop the test.

Fire Audible Test

Use MENU 4-9-3 to test and verify that all 12 VDC sirens operate. This test will sound the siren for two seconds.

Battery Test

Use MENU 7-9-1 to test the back-up battery that is connected to the control panel.

Communication Test

Use MENU 5-9-0 to test the telephone reporting capability of the control panel. You can also activate a communication test by holding down the Test / Mail key on the keypad.

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Installation Details

CUSTOMER NAME: _____

PHONE _____

INSTALLED BY: _____ DATE: _____

ACCOUNT N°: _____ PANEL LOCATION: _____

PANEL PHONE N°: _____ CLI ENABLED: _____

N° WIRED ZONES: _____ N° OF USERS: _____

N° RF ZONES: _____ N° OF AREAS: _____

WARRANTY EXPIRES: _____ COMMON AREA USED: _____

USER TRAINING COMPLETED BY: _____ PERSON TRAINED: _____

NOTES:

Specifications

Panel	Solution 6000 (Part Number CC610)
Voltage Input	16-18V AC 50-60Hz - 24VA External Power Adaptor or 220-240V AC to 18V AC 50-60Hz - 24VA Internal Transformer (Primary Power Source)
Continuous Power	1 Amp MAX (Combined power drawn from Accessory Power(+12V) LAN Power (Module LAN +) and Output Power (C+) terminals must not exceed 1 amp)
Alarm Power	4 Amp (Total with Primary and Secondary Power Sources Fitted)
Stand-by Battery	12 VDC, 7.2AH sealed rechargeable battery - Panasonic LC-P127R2P or equivalent. (Secondary Power Source) Dispose of used batteries according to the instructions.
Min Operating Voltage	10.2 VDC
Battery Charger	Pulse by pulse charger. (Note: Charge voltage can't be measured unless battery is fitted.)
Module Connection (RS485 LAN)	Max total LAN length using multi strand security cable = 300m. Max total LAN length using 2 pair twisted shielded data cable (Belden 8723) = 1200m. See the product installation manual for complete wiring instructions.
Telephone Connections	RJ-12 Socket or 4-way terminal
Temperature	0˚ to 55˚ C
Enclosure Fixing Method	**CM720B - Small Enclosure** Use appropriate fasteners capable of handling a minimum of 6kg to fix the cabinet against a sturdy surface using the mounting holes provided. **CM730B - Large Enclosure** Use appropriate fasteners capable of handling a minimum of 12kg to fix the cabinet against a sturdy surface using the mounting holes provided.
Relative Humidity	5 to 85% non-condensing.
Compatible Keypads	CP700B - Graphic Keypad - White CP701B - Graphic Keypad + Prox - White CP710B - Graphic Keypad - Black CP711B - Graphic Keypad + Prox - Black
Compatible Accessories	CM704B - 8/16 Zone Expander CM710B - 4 Way Relay Output Module CM720B - 1-Amp LAN Power Supply CM195B - Multi RF Receiver Interface CP155B - External Vandal Resistant Keypad CP156B - Slim Style Vandal Resistant Keypad CM705B - Universal Expander Module CM797B - LAN Isolator Module SW500B - Solution Link (RAS) Software CM910B - Direct Link / Flash Programmer RF120 - Smart RF Receiver CM744B - 3G GPRS Interface Module PR115B - External LAN Prox Reader CM728 - Fingerprint Reader CM751B - Ethernet Module CM101B - Voice Module
Enclosure Dimensions:	P/N: MW720B - (W)385, (H)280, (D)90mm P/N: MW730B - Large Enclosure (W)385, (H)520, (D)90mm
PWA Dimensions:	(W) 235, (H) 85 (H), (D) 40mm
Warranty:	3 years from date of manufacture (return to base)

The following parts are supplied with the panel

(Australian models only - content may differ in export models)

Panel Assembly Includes	1 x MW720B Metal Enclosure With Tamper 1 x Panel PWA 1 x User Manual 1 x Installer Reference Guide 1 x Resistor Pack
Resistor Pack Includes	1 x Red Battery Lead 1 x Black Battery Lead 1 x 2-Way Shunt With Handle 2 x Phillips Pan Head Zinc Plated Screws 1 x Telephone Cable RJ12 6P/4C 1 x Pack PCB Mounting Clips (5 pc/pack) 10 x 3K3 – 0.25W +/- 1% Metal Film Resistors 10 x 6K8 – 0.25W +/- 1% Metal Film Resistors 1 x 3-Way Removable Terminal Block 1 x Panel Tamper Switch + Tamper Lead 1 x Tamper Switch Bracket 1 x Product Identification Label
Available Separately	Solution 6000 Installation Manual Part Number BLCC610I Solution Link (RAS) Software Part Number: SW500B Site Manager End User Management Software Part Number: SW501B

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BLCC610R
Issue FTR2.2

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