Ultra-8
Control Panel

Operators Manual

TO SUIT AS208 KEYPAD

ΦΑDC
Advanced Digital Controls

AS208-OM-1.2

Ultra-8 Control Panel

AS208 OPERATORS MANUAL

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This document is provided to suit the **Ultra-8** Control Panel (CP108)

Firmware Version: 8.64+

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INTRODUCTION

Thank you for selecting the **Ultra-8** control panel to protect your family and your property.

This Advanced Digital Controls **Ultra-8** version alarm control panel has been designed to provide the most requested features for both the installer & the end-user. These features include ease of installation, ease of programming and user friendly operation all in a package that is reliable, functional and attractive.

Utilising many years of experience in the security industry and implementing valuable feedback, we are proud to provide you with a new generation of alarm controller. The **Ultra-8** is a New Zealand designed and built product that brings you the quality and features, which you deserve at an affordable price. In addition to the advanced design, only the highest quality components have been used in the production of this **Ultra-8** panel to ensure the highest degree of reliability.

This manual will guide you through the operation and programming of your **Ultra-8** alarm panel.

Add on features like the WR40 & RX40 radio receivers that can operate any of the 4 outputs or arm/disarm your panel with up to 8 keyfob radio pendants.

The auto dialler on your panel can be set up to send high speed signals to a monitoring station or "domestic dial" sending an Alarm tone to any or all of the 4 possible phone numbers

FOR MORE INFORMATION

Please visit our website, www.adcsecurity.com, to find out more information about the **Ultra-8** Alarm Controller.

THE KEYPAD

Ultra-8 AS208 keypad is modern and sleek in design and blends into any décor.

The removable door allows the button to be hidden when not in use. The backlit epoxy coated buttons give years of durability in all conditions. Single buttons arming options allowing you to "arm & go" in a second making life easier. A large display screen shows system status at a glance without to many confusing indicators. AWAY & STAY indicators show panel status while FAULT & SYS indicators show the integrity of the **Ultra-8**
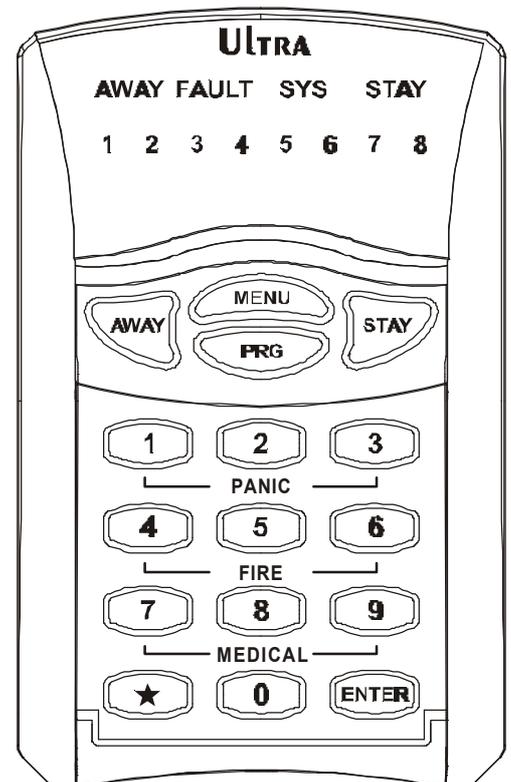
SYSTEM INDICATORS

AWAY INDICATOR

The **AWAY** indicator is used to inform you that the system is armed in **AWAY** mode

Indicator	Definition
ON	System Armed in AWAY mode
OFF	System is not armed in AWAY mode
FLASHING FAST	Zones have been Isolated

STAY INDICATOR

The **STAY** indicator is used to inform you that the system is armed in **STAY** mode

Indicator	Definition
ON	System Armed in STAY mode
OFF	System is not armed in STAY mode

SYS INDICATOR

The SYS indicator is used to inform you of events in the panel memory

Indicator	Definition
FLASHING	A new event is in progress
ON	The new event has cleared
OFF	No new events have occurred

FAULT INDICATOR

The FAULT indicator is used to inform you when an tamper alarm occurs

Indicator	Definition
FLASHING	Tamper or Panic alarm in progress
ON	Tamper acknowledged but not cleared
OFF	No alarm condition

The **FAULT** indicator will flash when an alarm occurs e.g. Tamper Alarms. When the alarm is cleared, by entering a valid code the **FAULT** indicator will turn off.
If the reason for the alarm is not cleared, e.g. Tamper remains open, the **FAULT** indicator will remain on solid until the cause is found and cleared fully.

BUTTON DEFINITIONS

AWAY Button

This button is for arming your **Ultra-8** panel in **AWAY MODE**

STAY Button

This button is for arming your **Ultra-8** panel in **STAY MODE**

PRG Button

This button is for adding or deleting codes or for entering installer mode

MENU Button

This button followed by a number will allow you to execute additional commands as listed on the page 7

★ Button
This is used for different programming options.

OPTIONAL LABELS

PANIC - 1 & 3 Buttons Simultaneously
This will cause a PANIC Alarm. This will sound the sirens and if connected to a monitoring station inform them of a Panic situation.

FIRE - 4 & 6 Buttons Simultaneously
This will cause a FIRE Alarm. This will sound the sirens and if connected to a monitoring station monitored inform them of a Panic situation.

MEDICAL - 7 & 9 Buttons Simultaneously
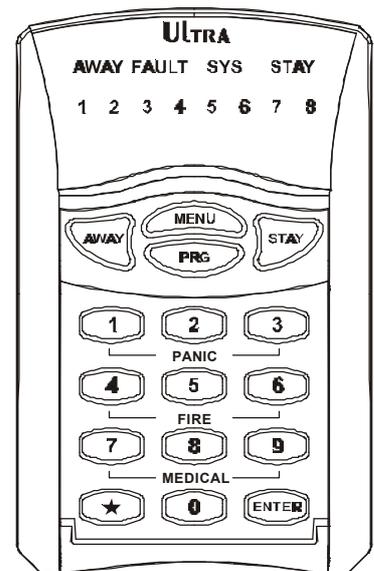This will cause a MEDICAL Alarm. This will sound the sirens and if connected to a monitoring station inform them of a Panic situation.

MENU FUNCTIONS

Menu 1	Hold Down 1	Memory Playback
Menu 2	Hold Down 2	Exclude Mode
Menu 3	Hold Down 3	Control Mode – Day Alarm
Menu 4	Hold Down 4	Buzzer Pitch
Menu 5	Hold Down 5	Day Alarm ON/OFF
Menu 6	Hold Down 6	Fault Analysis
Menu ★	-	Keypad Lock

Hold Down functions work after 2 seconds

Menu 1 - Memory Playback

This command allows you to view the last 127 events stored in the control panel's memory on the keypad

See page 8 for further information

Menu 2 - Exclude Mode

This command allows you to temporarily exclude or by-pass zones of your choice when arming your panel

See page 10 for further information

Menu 3 - Control Mode

This command will allow you to switch Day Zones On/Off or to control outputs

See page 10 for further information

Menu 4 - Buzzer Pitch

This command allows you to change the pitch of the buzzer

See page 11 for further information

Menu 5 - Day Alarm ON/OFF

This command allows you to switch ON and OFF the Day Alarm.

See page 11 for further information

Menu 6 - Fault Analysis

This command allows you to view any system fault.

See page 12 for further information

Menu ★ - Keypad Lock Mode

This command will lock the keypad from any wandering hands. The MENU Button will flash to indicate that the keypad is locked. To unlock the keypad press Menu ★

ARMING THE PANEL IN AWAY MODE

$$\boxed{\text{AWAY}} \quad \text{OR} \quad \boxed{\text{AWAY}} \; + \; \boxed{\ast}\boxed{\ast}\boxed{\ast}\boxed{\ast} \; + \; \boxed{\text{ENTER}}$$

3-6 Digit
Code

Press the **AWAY** key. The AWAY indicator will come on. Your panel will begin beeping its exit delay. During this time it is optional to press the **AWAY** key again to disarm. (to prevent accidental arming, the panel can be programmed to require a code to arm the panel. To do so press AWAY and enter your code followed by the **ENTER** key.

ARMING THE PANEL IN STAY MODE

$$\boxed{\text{STAY}} \quad \text{OR} \quad \boxed{\text{STAY}} \; + \; \boxed{\ast}\boxed{\ast}\boxed{\ast}\boxed{\ast} \; + \; \boxed{\text{ENTER}}$$

3-6 Digit
Code

Press the **STAY** key. The STAY indicator will come on. Your panel will begin beeping its exit delay. During this time it is optional to press the **STAY** key again to disarm. (to prevent accidental arming, the panel can be programmed to require a code to STAY arm the panel. To do so press STAY and enter your code followed by the **ENTER** key.

When arming STAY mode all exit and entry delays will apply as programmed, however if the **ENTER** button is pressed after arming STAY mode, then all exit and entry delays will be cancelled for that armed cycle making everything instant.

DISARMING THE PANEL
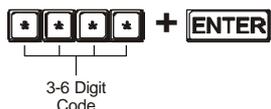
$$\boxed{\ast}\boxed{\ast}\boxed{\ast}\boxed{\ast} \; + \; \boxed{\text{ENTER}}$$

3-6 Digit
Code

To disarm the panel, enter your 1 to 6 digit code then press the **ENTER** key.

If your system has an optional radio card installed your system can also be armed or disarmed with your remote key fob pendant.

ADDING OR DELETING CODES

The **Ultra-8** can accept as many as 10 different user codes of 1 up to 6 digits in length.

Your installer can set you up to enter your code at user code 1 (Master code, Default to 2580) You will now be able to add, delete or change codes for other users.

By default only the master code has permission to change add or remove codes. Any new codes added will be able to arm, disarm and put either area of the panel into monitor mode. User codes can be limited in their levels of permission if required. Please ask your installer.

Making sure the panel is not armed, key in the following sequence:

$$\boxed{PRG} + \boxed{*}\boxed{*}\boxed{*}\boxed{*} + \boxed{ENTER}$$

Master Code

Ultra

Represents a 0 → AWAY FAULT SYS STAY ← Represents a 9

1 2 3 4 5 6 7 8
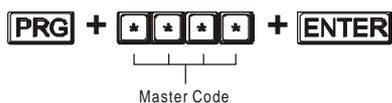
The **PRG** button will start to flash, indicating readiness to accept new programming.
To load, for example, user code 3 with a code 4321, key in the following sequence:

$$\boxed{PRG} + \boxed{3} + \boxed{ENTER}$$

If there is an existing code already in that address it will be flashed back on the keypads
LED display. Entering the new code will delete the old and the new code will be flashed
back to you.

$$\boxed{4}\boxed{3}\boxed{2}\boxed{1} + \boxed{ENTER}$$

Continued on the next page….
The panel will give 3 short beeps to indicate correct entry or 1 long tone if not accepted.

To remove or clear a user code number e.g. user 3, key in the following sequence

$$\boxed{PRG} + \boxed{3} + \boxed{ENTER} + \boxed{*} + \boxed{ENTER}$$

To exit out of program mode key

$$\boxed{PRG} + \boxed{ENTER}$$

On the LED display 0 is indicated by **AWAY** indicator and 9 by **STAY** indicator.

MENU 1 - MEMORY PLAYBACK

This event memory is displayed via the keypad with the most recent event shown first
and subsequent events following in descending order from newest to oldest. Each event
is separated by a beep tone.

There are a number of events which are stored in memory which do not have a specific
indicator associated with them such as Panic and Duress.

Other events such as tampers and low battery are shared across many devices. For this
reason the following table has been created.

This table details which indicator lights correspond to which events in memory.

To view **EVENT MEMORY PLAYBACK MODE** press MENU + 1

The last 127 events will be played back on the keypad LEDs displayed sequentially at 2
second intervals from the most recent event backwards.

To get to a specific event rapidly press the ★ key repeatedly and the memory display will
be sped up accordingly

To exit memory mode press ENTER

Continued on the next page….

MEMORY EVENT LIST

EVENT TYPE	DEVICE	INDICATOR	STATUS
ACTIVATION	Zones 1-8	LED's 1-8	On Steady
EXCLUDE	Zones 1-8	AWAY LED LED's 1-8	Flashes Fast On Steady
DETECTOR TAMPER (SHORT CIRCUIT)	Zones 1-4	FAULT LED's 1-4	Flashing On Steady
DETECTOR TAMPER (OPEN CIRCUIT)	Zones 5-8	FAULT LED's 5-8	Flashing On Steady
CABINET TAMPER	Cabinet or Satellite	FAULT	Flashing
LOW BATTERY	Control Panels Battery	SYS LED 1	On Steady On Steady
MAINS FAILURE	Control Panels Mains Supply	SYS LED 2	On Steady On Steady
WIRELESS ZONE LOW BATTERY	Wireless Detectors Zone 1-8	LED's 1-8	Flashing
WIRELESS KEYFOB LOW BATTERY	Wireless Keyfob User 1-8	FAULT LED's 1-8	On Steady Flashing
PANIC (BUTTONS 1 & 3 PRESSED TOGETHER)	Keypad Panic	SYS	Flashing
FIRE ALARM (BUTTONS 4 & 6 PRESSED TOGETHER)	Keypad Fire	SYS AWAY	Flashing Flashing
MEDICAL ALARM (BUTTONS 7 & 9 PRESSED TOGETHER)	Keypad Medical	SYS STAY	Flashing Flashing
WIRELESS KEYFOB PANIC	Wireless Keyfob User 1-8	SYS LED 1-8	Flashing Flashing
ARMED IN AWAY MODE	Panel is Armed	AWAY	On Steady
ARMED IN STAY MODE	Panel is in STAY mode	STAY	On Steady
KEYPAD DURESS ALARM	Duress Alarm	FAULT AWAY & STAY	On Steady Flashing
SUPERVISED WIRELESS ALARM	Supervised Wireless Detector	SYS FAULT LED's 1-8	On Steady Flashing Flashing
ZONE INACTIVITY	Zones 1-8	AWAY FAULT LED's 1-8	Flashing Fast On Steady On Steady
TELEPHONE LINE FAILURE	Phone Line Failure	FAULT LED 3	On Steady On Steady

MENU 2 - EXCLUDE MODE

This command allows you to temporarily exclude or by-pass zones of your choice when arming your panel. The excluded zones will go back to normal the next time you disarm the panel (except 24 Hour zones which must be manually re-included). A typical example would be if you wanted to let your pet run around in the garage when your system is armed, you could choose to exclude that detector (say Zone 1) from the system.

To exclude zone 1, key in the following sequence:

MENU + 2 + 1 + ENTER

When the ENTER key is pressed the **AWAY** indicator will flash very fast (provided that all zones are sealed) to indicate the exclude function is active before arming, any number of zones may be excluded in this manner. Press MENU 2 again to add or remove excluded zones. Press button 1and ENTER again and zone 1 will be included.

24 hour zones (for example smoke detectors) will remain excluded until they are manually included again. All other excluded zones will return to normal "included" mode automatically the next time the panel is armed.

It is advisable to vacate the secured area before the exit delay expires

You may now ARM the panel.

MENU 3 - CONTROL MODE

Outputs are programmable contacts on the panel or output expander board that can be used to switch or power external devices on or off. *Note: Your installer must enable this feature.*

Press the MENU 3 button

The **SYS** indicator will be on steady

Press the number key corresponding to the output you wish to turn on i.e.-output 3 turns on water heating.

Press the 3 key, the 3 indicator will illuminate indicating the output is on.

Press the ENTER key to confirm the operation and return to normal keypad function

To check what outputs are on simply press the MENU 3 keys again, indicator 3 will be illuminated, pressing the 3 & ENTER keys again will toggle the output off.

MENU 4 - BUZZER PITCH

This command allows you to change the pitch of the buzzer on the keypad from a high pitch to a low pitch or switch the buzzer off. E.g. bedroom situations.

Number	Pitch
1	Highest Pitch
2	
3	
4	
5	Medium Pitch
6	
7	
8	
9	Lowest Pitch
0	Buzzer Off

e.g. Press MENU + 4 + 5 + ENTER. This set the buzzer pitch to medium pitch.

MENU 5 – DAY ALARM ON/OFF

The Day Alarm is a zone that can be used to operate a buzzer or light to let you know that you have a visitor when the alarm is disarmed.

Press MENU + 5 to switch the Day Alarm ON/OFF

The buzzer will beep 3 times to let you know that you have switched the Day Alarm ON

The **STAY** button will flash indicating that Day Alarm is ON

When the system is armed it changes to become a full alarm zone. Ask your installer for more information.

MENU 6 - FAULT ANALYSIS

The MENU 6 function will give you an eight point fault analysis of current system faults.

The **SYS** indicator will flash when a system FAULT occurs e.g. "mains failure".

Press MENU + 6 to view any FAULT conditions.

The **SYS** indicator will remain on steady and LED's 1-8 will be illuniated corosponding to table below.

If the system fault has not been acknowledged after the event clears, e.g. "mains returns" ,normal condition, the **SYS** indicator will remain <u>steady</u> showing you that the event is now cleared. This allows you to see if there have been any faults while the alarm has been set. To clear this indicator press **MENU 6** or it will simply clear next time you arm the panel. The **SYS** indicator can be programmed to extinguish upon "normal condition" thus NOT drawing your attention to any past FAULTS. Ask your installer to set this option.

The MENU 6 function will give you an eight point fault analysis of current system faults and display them from Zones 1-8 as per the table below

LED # 1	Low Battery	LED # 5	Wireless Keyfob Low Battery
LED # 2	Mains Failure	LED # 6	Supervised Detector Failure
LED # 3	Telephone Line Failure	LED # 7	Zone Inactivity Timeout
LED # 4	Wireless Detector Low Battery	LED # 8	Dialler Kiss-off Failure

HOLD-UP DURESS ALARM

The duress digit is a number from 1-9. To create a duress alarm, the duress digit must be pressed before the code to disarm. ie, If the user code is 2580 and the duress digit is 5, then entering a code of 52580 + ENTER would create a duress alarm. The sirens won't sound, but the dialler would dial to the Monitoring Station and report a DURESS ALARM. Please ask your installer to set the duress digit. It is default for 0, which means the duress option is disabled.

ACKNOWLEDGING DOMESTIC & VOICE ALARM MESSAGES

If an alarm occurs that is set for Domestic or Voice Reporting, the panel will call the pre-programmed telephone number/s. When the call is answered a siren tone or voice message will be sent. The panel will then wait for 5 seconds looking for a DTMF tone on the line (a DTMF tone is generated when any key on a normal pushbutton telephone is pressed), If the panel receives a DTMF tone it will hang-up and cancel any further calls for that particular alarm event. If not it will repeat the siren tone or voice message a further 3 times with the 5 second pause in between waiting to hear a DTMF tone that will stop the alarm reporting, if no DTMF tone was received after the total of 4 attempts the panel will dial the next pre-programmed number on the list and repeat the sequence again, if in the meantime the alarm panel is unset any further voice alarm reports are automatically cancelled (with the exception of 24 hour alarms that must be cancelled by a DTMF code only).

VOICE BOARD OPERATING INSTRUCTIONS

The VB-90 voice board must be fitted for these functions to work. Please ask you installer for more information

Command Control Operation

If Command Control is set up then a valid code holder can call the alarm using any standard pushbutton telephone. When the panel answers the in-coming call it will generate 2 different tones for approximately 2 seconds each. When the tones have finished the panel will be looking for a valid 4 digit DTMF code e.g. 1, 2, 3, 4. If the code entered in at the keypad on the telephone matches one of the valid DTMF codes programmed into the panel the appropriate voice message will be sent.
For example, If the code 1,2,3,4 was the Arm/Disarm code for Area A and the code holder entered this code in at their telephone, the alarm panel wilt respond with the voice message relating to the current status of Area A. Now by pressing the ★ button at the remote telephone the panel wilt change the status of Area A (if already Armed it will Disarm the panel or vice versa) and give the corresponding voice message relating to this new state. Output Control is very similar with the exception that the output number you wish to control must be entered in after the valid 4 digit code e.g. if the output control code was 2,5,8,0 and you wanted to control output # 2 then the code 2.5,8,0,2 must be entered in at the remote telephone. Once again, if this was a valid code to control the outputs the panel will respond with the voice message relating to the current status of the output concerned (in this case output 2). By pressing the ★ button the state of the output will be changed and the message relating to the new status will be sent.

At any time if an incorrect code is accidentally entered a single press of the # button at the telephone will reset all digits sent ready to a new sequence of 4 digits.

Microphone Control

If the optional microphone is connected to the Voice Board, it is possible to dial into the alarm panel from any telephone and turn on the Microphone input to allow audible verification of an intruder onsite.

To do this, once the panel has answered the in-coming call as before, all you have to do is enter in the valid 4 digit Microphone code followed by the ★ button. To turn the microphone input off you simply press the ★ button again. If the microphone is not turned off properly it is automatically turned off when the call is terminated. The various Command Control program address codes for both panels are listed in the chart below.

Installation Notes

Installation Company _____

Technician _____

Phone Number _____

Installation Date _____

Warranty Expires _____

Entry & Exit Timers (seconds)

Zone 1   _____

Zone 2   _____

Zone 3   _____

Zone 4   _____

Zone 5   _____

Zone 6   _____

Zone 7   _____

Zone 8   _____

Exit   _____

Zone Descriptions

		STAY MODE	DAY ALARM
Zone 1	_____	☐	☐
Zone 2	_____	☐	☐
Zone 3	_____	☐	☐
Zone 4	_____	☐	☐
Zone 5	_____	☐	☐
Zone 6	_____	☐	☐
Zone 7	_____	☐	☐
Zone 8	_____	☐	☐

Hold-Up Duress Alarm Digit

_____

Notes

_____