

OLED Keypad

www.msealarms.com.au User's Guide

P/N: RUNOLEDWG

20-July-2010

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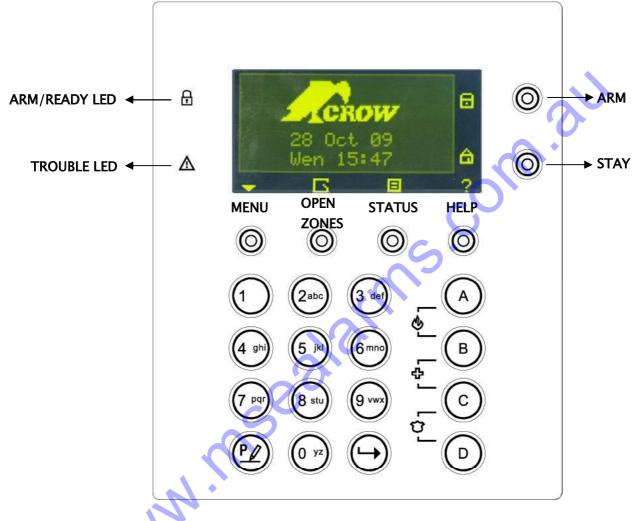
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The OLED Keypad shows all the information required to operate the system. The User communicates with the alarm system via the keypad. The Keypad displays continuous information about the status of the alarm system and enables the User to operate the system in different modes, change settings and program Users access codes.

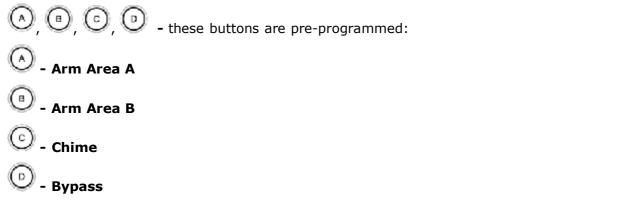
The keypad also collects and records events to be displayed afterward on request, to overview system activities and to analyze system performance for diagnostics.



Function Keys

These keys are used to arm the system, enter commands to alter system settings, or scroll through the history events.

ARM, STAY, BYPASS, PROGRAM, CONTROL, MEMORY, PANIC, ENTER, MENU,



These buttons can be reprogrammed in Local Edit mode (see P20 "button assignment")

Alphanumeric Keys

These keys are used to enter codes, Initiate Emergency activations or used for programming.

Audible Signals

When the keypad is used to activate or deactivate the different functions, it emits different audible beeps. The meaning of these beeps is described in the table below.

Table 1 List of Audible Signals

Sound	Sequence	Description	
Short beep	Once only	A key in the keypad has been pressed.	
3 short beeps	Once only	Operation carried out successfully.	
Long beep	Once only	Illegal operation or wrong key pressed.	
Slow beeping	While the Exit or Entry delay timers are running.	Exit or entry delay warning. When Arming the system, this indicates that you must exit the protected area. When disarming the system, it indicates you have entered the protected entry zone.	
cators			
	ADY -RED/GREEN	6	
	LE-RED	S	
mary of F	unctions		

Indicators

- ARM/READY -RED/GREEN
- A TROUBLE-RED

Summary of Functions

The main functions of the system are listed in table below.

Function	Keys	Description	Notes
Full or Partition Arm		Initiates full Arm Initiates Partial Arm [Only If enabled by installer]	Exit delay (slow) beeps will be heard.
Full Arm	~ 8	Initiates full Arm	Exit delay (slow) beeps will be heard.
N			Another way to Arm the system is [If enabled by installer] to enter the MENU function and scroll down the list until you see the Arm option and select it.
Disarm during exit	~ <mark>8</mark> (0)	Disarms the system during exit delay	Only when the slow exit delay beeps are heard.
Disarm		Disarms the system	Stopping Alarms.
Function	Keys	Description	Notes
Arm Stay		Initiates Partial Arm when the user is home	Only if enabled by installer.
Arm Stay	~ <mark>^</mark> (0)	Initiates Partial (Stay) Arm when the user is staying home.	Exit delay (slow) beeps will be heard. Another way to Partial (Stay) Arm the system is [If enabled by installer] to

Function	Keys	Description	Notes
			enter the MENU function and scroll down the list until you see the Arm Stay option and select it.
Disarm Stay		Disarms the system	
Disarm Stay	~ ⁶ (0)	Disarms the system	[If enabled by installer]
Bypass		Bypasses a zone. After the Bypass button is pressed (or the Bypass function is selected), the keypad digits can be used to enter the 2 digit zone number of the zone(s) that you would like to Bypass. Multiple zones can be bypassed while in ' Bypass' mode.	Repeat the same (Bypass) procedure to un-bypass zones. The Bypass function can also be assigned [by the installer] to one of the following buttons (usually the button) as a shortcut: (() (*) (*) (*) (*) Another way to bypass a zone is by entering the (*) Another way to bypass a con is by entering t
Initiate Panic	∽©+ ©	Activates emergency alert	
Initiate Medical		Activates emergency alert	

Function	Keys	Description	Notes
Initiate Fire Alarm	∽ <mark>() + ()</mark>	Activates emergency alert	
Memory	(MEMORY)	Initiates display of events from memory.	Displays events and current faults of the system.
		O or O cancels memory readout	The Memory function can also be assigned [by the installer] to one of the following buttons as a shortcut:
			Another way to enter the Memory function is by entering the
		cor	MENU Offunction and scroll down the list until you see the Memory View option and select it.
Chime Enable/disable	¢©	Enable or disable chime function	The Chime function can also be assigned [by the installer] to one of the following buttons as a shortcut:
	~?		\odot \odot \odot \odot
	sealt		The OButton is assigned to operate the Chime function. (default)
	N.M.		Another way to enter the Chime function is by entering the
N	nn.		MENU function and scroll down the list until you see the Chime option and select it.
Control	CONTROL C Device# C	Activates or deactivates outputs and devices	Control button can be one of the following buttons (Must be setup manually through the 'Local Edit Mode'):
	I	1	l

Note: If you started an operation incorrectly, press Θ to exit and return to the previous mode.

How to Arm the System before Exit

Preparing the System for Arming

Verify that all zone indicators are off, when all zones are closed (all exit doors and windows are closed and motion in the protected area is restricted or zones are bypassed), the system is ready to be armed. If one or more zone indicators are illuminated, the keypad will show any open zones.

-(1)

When the system is ready, you will see the Green Ready indication $\frac{1}{100}$ indicator on the left side of the screen.

To arm the system, **Close all open zones, or bypass them**. Bypass any zone you cannot close.

To see which zones are in bypass mode, press

Note: Bypassed zones are not protected.

Arming the System

Before leaving the premises, you must arm the system.

Arming the alarm system turns on all detectors in the partition/s being armed.

- 1. Enter your **PIN Code**.
- 2. Press to Arm the system.

There is an exit delay prior to the system being armed. During this delay time, a slow beeping is heard from the keypad to indicate that the system is not armed yet and reminds you to vacate the protected area.

The following text will show on the screen to indicate that the system is armed:



Armed A – for Area A, and Armed B – for Area B.

The indicators may go out few seconds after exit delay times out, depending on the installation setting.

 \Box To disarm the system during the exit delay, press \blacksquare O.

Quick Arm (When enabled at installation)

Press to arm the system.

During exit delay time, a slow beeping is heard reminding you to vacate the protected area.

Disarming the System

- 1. Enter your **PIN Code**.
- 2. Press ⊖

The **A** or **B** indicator goes off, the system is now disarmed.

Stopping and Resetting Alarms

- 1. Enter your **PIN Code**.
- **(**→) 2. Press

any audible control of the second sec This will reset the alarm at any time, and also turns off any audible sirens.

Arming the System While Staying Home

Arming the System in Stay Mode

This type of arming is used when people are present within the protected area. At nighttime, when the family is about to retire, perimeter zones are protected, but not the interior zones. Consequently, movement within the interior zones are ignored by the system.

- 1. Enter your **PIN Code**.
- 2. Press Θ .

(Should be configured by installer)

The following text will show on the keypad screen to indicate the system is armed in stay mode:



Stay Armed A – for Area A, and Stay Armed B – for Area B.

Quick Stay

Press 2 0 to Stay Arm the system.

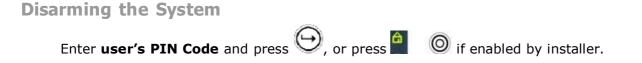
During exit delay you can leave the premises. If you wish to stay, or you don't want anybody

to enter the protected premises, you can cancel the **Entry/Exit** delay by pressing the key.

When the slow (Exit) beeping stops, the system then becomes immediately armed. The following text will show on the keypad screen to indicate that the system is armed in **Stay Mode**:



Stay Armed A – for Area A, and Stay Armed B – for Area B.





iu.s

How to Arm Partitions

The protected area can be grouped into 2 separate partitions (**A** or **B**). The system can be grouped for User's convenience to separate, in a business environment, the offices from the warehouse area, or in a private residence, the house from the garage or workshop, etc.

To Arm partition A enter, user PIN Code for partition A

To Arm partition B enter, user PIN Code for partition B

Note: to Arm a partition with a PIN Code, see page 7 "How to arm the system before exit".

During exit delay you can leave premises. At the end of the procedure, the following writing lights up at the screen to indicate that the system is armed:

Armed A	e
28 Oct 09 Wen 17:41	â
v (!)	?

Armed A – for Area A, and Armed B – for Area B.

To disarm partition, see "Disarming the System" on page-8.

How to Bypass Zones

Bypass any zone that cannot be closed. You can bypass selected zones prior to arming. It is also used to temporarily exclude a faulty zone from service which requires repair.

To bypass a selected zone, press the button, which is assigned by default to perform the **SYPASS**> function, enter the Zone Number you want to Bypass then press Θ . To Exit the

Bypass mode, press

The **BYPASS** function can be assigned to any of the following buttons (A), (B), (O), (O).

Another method to bypass is by entering MENU screen and scroll down until the bypass option.

Option 1:

BYPASS D

At this case the \bigcirc (default) Button assigned to operate bypass.

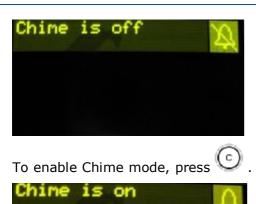
Option 2: MENU:
0
Arm Stay Bypass Chime Memory View
ZONE BYPASS 1 2 3 4 5 6 7 8 Zone 1
Enter the zone number (e.g. 01, 05, 12) one or more zones.
To see which zones are in bypass mode, press \textcircled{O} or \textcircled{O}
To reset bypassed zones, press <bypass< b="">>, enter zone number (example, 07, 13)</bypass<>
To see that the zones removed from bypass mode, press $igodot$ or $igodot$
NOTE: Disarming the Runner alarm system will automatically un-bypass most zone (24Hr zones

Must be Manually un-bypassed – See 'To reset bypassed zones' above).

Using Chime (If enabled at time of Installation)

A Chime (Day) zone is a detector that announces a Chime (Keypad Beeps) during the Disarmed state of the Runner system and can a fully Armed (Alarming) zone when the Runner system is armed. It can be programmed to operate a buzzer or light to let you know you have a visitor.

To disable the Day (chime) zone, press O. The Keypad screen will Indication that Chime is Disabled:



. The Keypad screen will Indication that Chime is Enabled:

Emergency Alerts

These three special key functions are best programmed by your installer to suit your individual needs. They are used most commonly during Emergency situation.

These are "PANIC", "FIRE", and "MEDICAL" alarms.

How to initiate Panic

□ Press simultaneously keys ⓒ and ⓒ

How to initiate Medical Alarm

Press simultaneously keys

How to initiate Fire Alarm

Press simultaneously keys

Generate Threat or Duress

If you are compelled to disarm the system under threat, you must enter the duress digit before the user's code to activate the automatic dialer. The duress digit shifts up your usual code by one digit. If your code is 345 and 8 is your duress digit, than entering 8345 modifies your code. The modified duress code disarms the system in a normal way, but at the same time activates the dialer silently to report a "duress event" without arousing suspicion. (For details ask the installer).

System Messages

When viewing the memory events at the keypad by the MEMORY function available by pressing

the Options button and scrolling the Options Menu by using the Options that is always displayed is the system messages. The first 'Memory' screen will display any current 'System Faults'. If there are no system faults, the screen will say 'No Current Faults'. Otherwise, the screen will display any current faults that may be active at that time. Pressing the



Special indications

OLED Keypad has special indications, to indicate current troubles, or current status of the system.

If on the main screen of the keypad, there is a following icon then, by pressing on the button below, will show the current status of the control panel, it will show open zones, bypassed zones, and any informative data of the control panel. If on the main screen of the keypad, there is the following

(!)

icon W, it means that there are some Current System Faults at the control panel, such as Mains fail, Phone Line fail, Low Battery etc... by pressing the Down Arrow, the keypad will display current faults and other (possible) 'trouble' type events.

Another icon button appears constantly on the main screen - \Im . This is the 'Help' button. Press on this button if you want a quick reminder about the assignment of the Function buttons:

AREA A	Θ
AREA B	B
CHIME	©
BYPASS	0

A second press on this 'Help' button will exit to Help screen.

How to Control Outputs and Devices

The keypad enables you to control external devices, such as an air-conditioner or heater. To turn-on or turn-off a device:

1. Press **<CONTROL>.**

The Control function must first be assigned to one of the following buttons (See 'Button Assignment' page-21): (O, O).

2. Press the number of the device.

This activates or deactivates the selected device.

The display will change to indicate the Outputs Status. The screen Digits 1 to 8 will turn on to indicate which Output is in the On state. or will turn-on for each of the devices that are ON.

3. Press the device (Output) number (using the keypad buttons) to turn the device off.



4. To Exit the Control mode, press O or let the screen Time-Out after 1 minute.



Entering the User Program/Client Mode

There are 2 levels of program mode, **CLIENT** mode and **INSTALLER** mode. Normally the installer gives you access to the **CLIENT** mode so that you can add, delete, or change the user codes. If you request it, your installer can provide you with access to the INSTALLER mode as

well. To get into CLIENT mode provided the system is NOT armed, Press $^{\vee}$ enter Master

code and "

If you get a single long beep at this point, it means your code cannot access Program mode.

How to Exit Program Mode

To exit out of program mode press and

How to Change or Add Codes

About Master Code and the User Code

The factory default master code (123) is intended as a preliminary control of the alarm system. After Runner panel is installed and put into service, the code can be changed to any code known to the Master user. The Master user can define up to 100 user codes. To limit access rights, the holder of the Master code can ask the installer to define several User profiles.

Access rights are listed below:

- User code has Area A and/or B permission
- User code can arm and/or disarm an area
- User code can arm and/or disarm an area in Stay mode
- User code can change its code
- User code can change other user's code
- User code can Operate control Functions
- User code can change dialer telephone numbers
- User code can alter the real time clock
- User can answer an incoming call and start up/down load sessions
- User can allow access to installer program mode from client mode.
- Initiate Walk-test mode.

How to Change the Master Code

While in **CLIENT** mode (see page-14), Press $\textcircled{D}_{1} \bigoplus_{1} \bigoplus_{1} \bigoplus_{1} \bigoplus$, then use the numeric keys to ${\mathscr I}$ to save your new code. The code can be any enter your new Master code followed by combination of 1 to 6 digits. Ensure that you remember your new code. If you forget your new code, you will need to arrange for an installer to come and reset the code for you which will incur a service call charge. The new code is displayed on the screen. Press to exit Client programming mode. How to Add or Change the User Code

While in **CLIENT** mode (see page-14), press $\textcircled{1} \bigoplus$ then the **User number (i.e.: user 2** arget. Using the numeric keys, Add or Change the PIN Code for through to 100 of the system)

to **save** your new code. The PIN Code can be any combination of **1 to 6** that use, then press diaits.

Note that entering a new PIN Code will delete the old code.

Repeat the procedure for all users.

🕑 and 🛚 to exit Client Programming mode. Press

How to Delete the User Code

While in **CLIENT** mode (see page-14), press $\textcircled{1} \bigoplus$ then the **User number (i.e.: user 2** through to 100 of the system) The code will be displayed on the screen. Press

delete the existing User PIN Code.

 $(\square)_{and} ()$ Press Press to exit Client Programming mode. to **save** the change.

Adding/Changing Telephone Numbers

Your panel accepts up to eight (8) phone numbers, each can be up to 16 digits. Your panel can be programmed to dial all or any of these numbers depending on the event which have occurred. (The eight (8) phone numbers are at program address P181E 1-8E).

While in CLIENT mode (see page-14), key in the following sequence P181E 1E

(The address for telephone number 1), the existing number is displayed on the screen of the

keypad. Using the numeric keys, enter the **<NEW TELEPHONE #>** then press

At any time you can enter in the address for the telephone number just to view the currently

programmed value. Press to exit Client Programming mode. and

For example, P181E 1E= PH # 1, P181E 2E = PH# 2, P181E 8E = PH# 8, etc.

How to set Time and Date

The alarm system has an internal clock that may be used to automatically Arm or Disarm the alarm or turn Outputs On or off. It is also used to identify when events occurred in memory via the keypad display. If you need to change the Time & Date, it must be done from the CLIENT mode (see page-14). To change the Time & Date;

ツ<1> ピ <26> <ннмм> 🖔 Press Where HH = Hour in 24 Hour Format and MM = Minutes

<2>

<1-7> <26> Press Where 1-7 = the current day of the week (where 1=Sun, 2 = Mon 3 = Tuesday, 7 = Sat, etc.)

<3> /<DDMMYY> Press <26> Where DD =1-31 current date, MM= months 1-12, YY = year 00-99

How to start Walk Test Mode

While in **CLIENT** mode (see page-14), a User with the proper authority can start the walk-test mode. This special mode is used to check if the detection devices connected to the system are functioning when you walk in front of them. In Walk Test Mode, the keypad will continually beep and if you activate a detection device, the keypad display will continue to show the zone number of that device. This test function will allow one person to trigger every detector connected to the

alarm then return to the keypad to verify the operation. On terminating Walk-test mode, the test results are put into the memory buffer so they can be viewed at a later time.

You can start Walk-test mode while in **CLIENT** mode (see page-14), press $\bigoplus_{<6>} \bigoplus \bigoplus$ and the keypad buzzer beeps at 1-second intervals.

Next, trigger every detector connected to the panel then return to the keypad and all of the zones that were triggered will be displayed on the keypad.

To terminate Walk-test mode press \bigoplus , the keypad stops beeping. To exits CLIENT mode,

press @4 times until the screen says `Exit Program Mode', then press \ominus

How to Answer an In-Coming Call

From time to time your installer may need to access the alarm from a remote PC to make changes to the programming of your system and for security reasons they may have configured the alarm so that an authorized person on-site is required to make the alarm system answer the in-coming call. This option is only available in CLIENT mode (see page-14).

If the panel is not configured to answer in-coming calls, the user can force it to answer the call by pressing and holding down the 'Control' function button (that has been manually assigned to the 'CONTROL' function), followed very quickly by holding down the digit <9>. This forces the panel to answer the call immediately. For this function to work, the phone line must be ringing at the time and there must have been at least two rings before pressing the buttons.

Provided the line connected to the alarm was ringing at the time, the panel now answers the call and allows a remote PC connection.

Control button can be one of the following buttons: (A, B, C, D) (See Button Assignments on page-21).

Using the Remote Command Control

Another powerful feature available from your alarm is Command Control. This feature is a remote control facility which allows valid users to access the panel via a standard touch tone telephone and check or changes the Arm/Disarm status of each of the areas, operate each of the eight outputs or turn on an optional Microphone.

The Command Control feature is only available on panels fitted with a Voice board. The Voice board provides voice prompts to guide you through Command control operations.

Please talk to your installer to find out if all or any of these options are available on your alarm.

To perform any of the Command Control features you must first ring the phone number which the panel is connected to. The panel may be set up to answer after a specific number of rings or it can be set-up to use a fax defeat option. Either way, when you ring the phone number and the panel answers the call, the first thing you hear over the phone is a two seconds burst of modem tone. After this tone stops, you must enter the access code assigned by your installer which is associated with the Command menu option you wish to access. Remember that the code you enter determines which menu option you access. If you miss the pause, the panel repeats the modem tone and then pauses again for 5 seconds looking for your access code. This process is repeated four times before hanging up, if no valid code is received. When entering codes or other information in Command Control the "#" key acts as a "Clear" button.

When you have entered the required 4-digit access code the panel replies with the status message associated with the Command Control function you have accessed. For example, let's say we have a code of "2045" to allow Arming & Disarming of Area A. Once the code "2045" has been received, the panel checks the current status of Area A and replies with the preprogrammed voice message relating to that status. For example, if Area A is armed, then the Armed message is sent, if Disarmed then the Disarmed message is sent.

Once the status message has informed you of the actual state of the system, you can use the "*" key to toggle the option on & off or Arm and Disarm, e.g. in our example above, code "2045" accesses Area "A" arming or disarming.

Assuming the status message we received was "Area A alarm is Armed" If we press the "*" key, Area "A" is Disarmed and we would receive a status message "Area A alarm is Disarmed" (or whatever message is programmed in the Voice Board by the installer).

While you are on-line with the panel, you can move between menu options by entering the code of the option you want to control. Assuming there was a code of "4321" programmed to control outputs. After having used code "2045" to control the Arm/Disarm status of Area A, we first press the "#" button to reset all previous entries. Then we can enter the digits "43215" (that is "4321" as the code to control outputs and "5" to select output #5). The current status of output #5 is given either by the voice message or the appropriate tone and then the status can be changed with the "*" button on the remote telephone.

NOTE:

For output control, you must enter the 4 digit code, for example, 4321 followed by the output number you wish to control, in this case 5.

At any stage, if you enter in an incorrect code you can press the "#" button on the remote telephone to clear all code entries and then start again.

To turn on the optional Microphone (only available if the Voice Board is fitted) you must enter in the appropriate code for Microphone Control followed by the "*" button. To turn the Microphone off, you simply press the "*" button again.

To end a Command Control session, simply hangs up the phone. The panel is monitoring the phone line at all times and 15 seconds after your last key press, it automatically hangs up the line. This 15-second timer is active during the whole command control process, so a period of 15 seconds without a key press causes the panel to hang-up.

Using Local Command Control

If a command control code for outputs is programmed and the output/s are allowed to be locally

controlled from the keypad, then entering the 4 digit code at a keypad followed by \smile , will take the keypad screen back to normal mode but you will be able to press keypad digits that correspond to the Output number you want to control. When you press the digit for the Output Number, the Output will operate and the screen will change and show a `*' for each digit (Output

Number) you press. To Exit the Local Command Control mode, you can either press the \bigcirc button or you can let the keypad Control Mode to Time-Out (1 minute) and return to normal mode.

This feature works the same way as "Directly Controlling an Output", with the difference being that you require a code to access this function.

OLED Keypad in Local Edit Mode

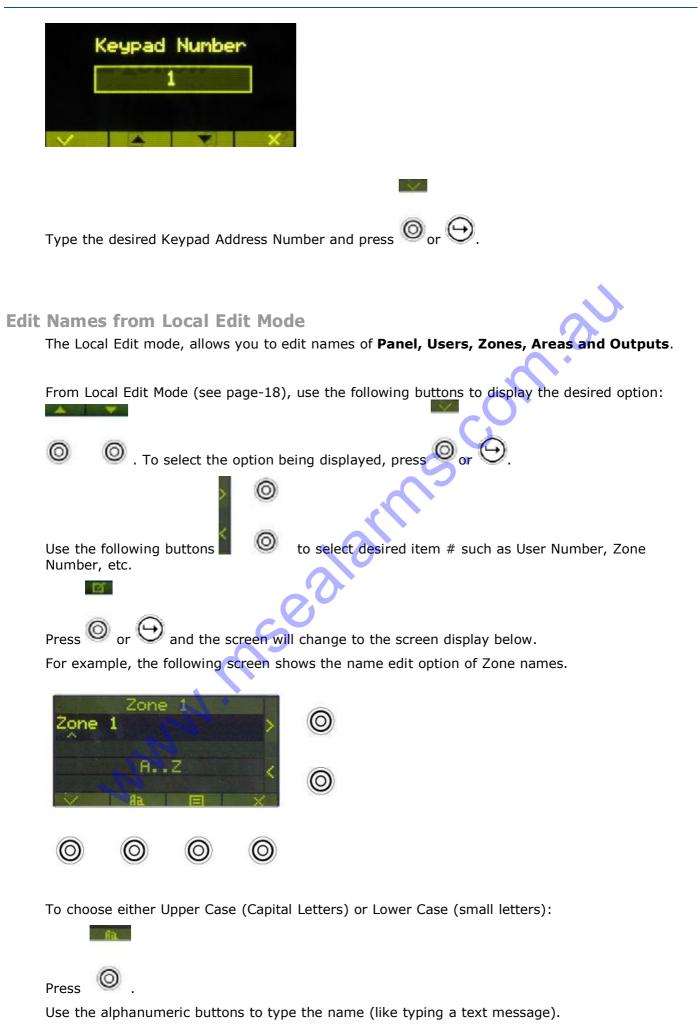
The Local Edit Program Mode allows the customisation of the "System Name" (the name displayed during idle mode at the keypad), "Zone Names" (the text that appears on the keypad when a zone is unsealed), "User Names" (the User name is displayed when viewing arm/disarm events in memory mode), "Area Names" (the Area name is displayed when viewing arm/disarm events in memory mode) and "Output Names" (the Output name is displayed when viewing Output On/Off events in memory mode).

Accessing Local Edit Mode

To enter Local Edit Program Mode, Press **<MENU>** ^O And scroll down **▼** until Local Edit option:

-

Chine Memory View Local Edit Programming	con.au
Press O _{or} O.	ams
The first option that you will see is Keypa down, using the following buttons:	d Number . To view other options, just scroll up or O. To select an option being displayed, press O.
Changing Keypad Number	
Press Or Oto select the Keypad Nu	mber option.



▼Button #	1st Press	2nd Press	3rd Press	4th Press
1	space	1		
2	A (a)	B (b)	C (c)	2
3	D (d)	E (e)	F (f)	3
4	G (g)	H (h)	I (i)	4
5	J (j)	K (k)	L (I)	5
6	M (m)	N (n)	O (0)	6
7	P (p)	Q (q)	R (r)	7
8	S (s)	T (t)	U (u)	8
9	V (v)	W (w)	X (x)	9
0	Y (y)	Z (z)	0	

Use the following buttons to move the cursor Left or Right:



NOTE:

Use the same method to edit all other names: Panel Name, User Names, Zone Names, Area Names and Output Names.

Button Assignment

But	ton As	ssignm	ent
		₹4	
~		•	×

This feature allows you to customise the preset function buttons O, O, O, O, so that they start to operate the functions you desire them to have.



The above screen shows the **default** use of the buttons. To change their operation (from Local Edit Mode - see page-18), press the desired button several times, until the desired option will appear. For example, in order to make a button to operate the bypass function, press it 3 times. You can use the same method to customize the bytom and function buttons. To save the new setting, press button.

Changing Language

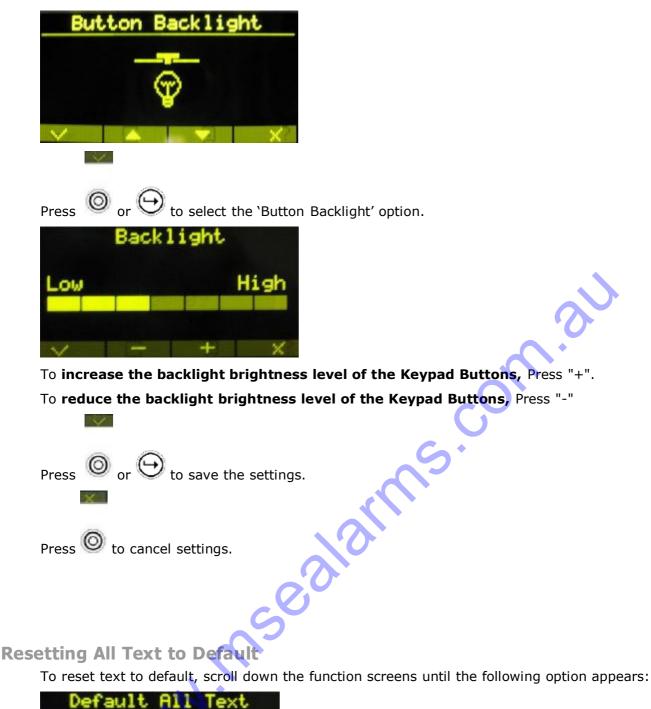


To change the language (from Local Edit Mode - see page-18), scroll to the language screen and



Adjusting Backlighting

To adjust the backlight brightness level of the Keypad Buttons (from Local Edit Mode - see page-18), scroll to the 'Button Backlight' screen;







1



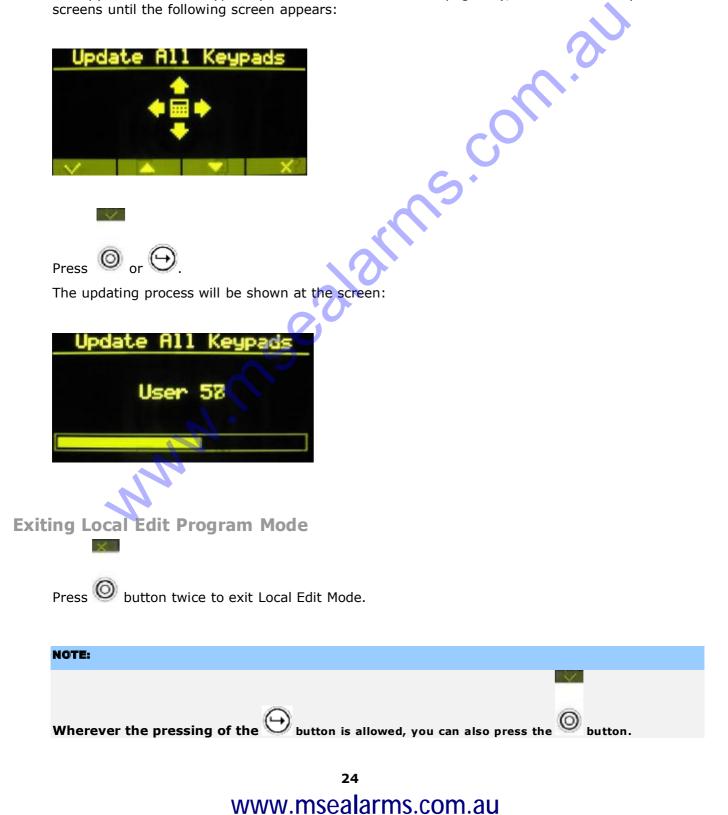
The updating process-bar will be shown on the screen:



Copying Text to another OLED or LCD Keypad

If more than one OLED (or LCD) keypad are connected to the Runner panel, it is possible to copy the edited Text from one OLED (or LCD) keypad to all other OLED (or LCD) keypads connected to the same Runner panel.

To copy text to other keypads (from Local Edit Mode - see page-18), scroll down the option screens until the following screen appears:



Crow (Australia) P/L

Crow House

142 Keys road,

Cheltenham, Vic., 3192

E-Mail: crow@crowaust.com.au

Web: <u>www.crowaust.com.au</u>

For technical assistance with this product, please contact your systems un, com,au com,a installer/supplier, as Crow would Not be familiar with the way your system is configured and therefore would not be able to assist.

P/N: RUNOLEDWG

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