NOTES

Power Wave - 8

8 Zone Alarm Panel

USER GUIDE

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About your Alarm System

Thank you for choosing to protect your premises with an 'PowerWave-8' (PW8). In doing so you have invested in the most advanced and adaptable panel on the market.

As you become familiar with your PW-8, ***ask your installer** about the incredible program options and additional expandability of your PW-8 Alarm Controller.

Your new panel is ready to give you years of trouble free operation and can be custom programmed to your specific needs.

Add on features like the **RX-40** wireless receiver card to operate any of the 4 outputs and the arm / disarm of your panel with up to 8 key fob wireless pendants, or add wireless detectors at any stage.

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

The Keypad

Your PW-8 Alarm Controller has been designed with you in mind. Clearly named backlit keys may cost a little more but mean you don't have to remember multiple key combinations to achieve a result. As with everything about the PW-8, even key functions can be fine tuned to your specific needs. Please ask your installer.

Arming Your System

Press the **[ARM]** to arm your system, the Armed light will come on. Your panel will begin beeping it's exit delay. During this time it is optional to press the **[ARM]** key again to disarm. (to prevent accidental arming, the panel can be programmed to require a code to arm. To do so enter your code followed by the **[ENTER]** key).

Disarming

Enter your 1 to 6 digit code then press the **[ENTER]** key.

If your system has the wireless receiver installed, your system can also be armed or disarmed with your remote key fob pendant.

Panic

This special key's function is best programmed by your installer to suit your individual situation. Most commonly it is used in a panic situation to sound only the outside siren and perhaps call a monitoring station. A panic command can be instant or your installer can program a 2 second delay to prevent false alarms.

(A ***Panic*** can also be triggered by a dedicated 'Stay' Mode Keypad or a Remote Control button programmed as instant or delayed panic).

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OUTPUTS:

Output 1 _____

Output 2 _____

Output 3 _____

Output 4 _____

Siren Time: ____ (minutes)

COMMUNICATION OPTIONS:

Monitoring ☐ Domestic ☐ Speech ☐

SERVICING:

	Yes	No
Can your system be serviced by another technician?	☐	☐

If yes, Installer Code _____

SERVICING NOTES:

Please contact your alarm installer if you require further information.

The CONTROL Key

Another special key that can be programmed to control a number of functions.

1) Chime Zone Control: *A Chime Zone is a detector that can be part armed while you are home but working in another part of the building. It can be programmed to operate a buzzer or light to let you know you have a visitor.*

Press the **[CONTROL]** key
(Program and System LED's will be on steady).

Press the **[PROGRAM]** key
(Program LED will flash)
indicating that *Chime Zone* is disabled.

To enable Chime Zone
Press **<CONTROL> and <PROGRAM> key again.**

Note: When the system is armed it changes to become a full alarm zone.

2) Output Control: *Outputs are programmable contacts on the panel that can be used to switch power or external devices on or off.*

Press the **[CONTROL]** key
(Program and System LED's 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 LED will illuminate indicating the output is on. Press the **[ENTER]** key to return to normal keypad function. To check what outputs are on simply press the **[CONTROL]** key again, LED 3 will be illuminated pressing the 3 key again will toggle the output off. Press **[ENTER] to return keypad to normal.**

The STAY Key

'Stay' mode allows you to monitor areas you will not be in at night. Pre-selected zones or sensors can be armed with this key while you are in the building and programmed to go into your choice of alarm states if triggered. As with everything else on the panel this too can be tailored to your needs. For example you may wish to have the detectors in your garage and lounge sound only a little buzzer by your bed at night to warn you of an intruder.

To use this feature press the **[STAY]** *key and if programmed to do so, the exit delay will sound. The armed light on the keypad will flash.*

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To disarm, press the **[STAY]** *key again. The PW-8 can be programmed to require your user code and pressing* **[ENTER]** *to disarm.*

The BYPASS Key

This key allows you to temporarily Bypass zones of your choice when arming your panel. The Bypassed zones will go back to normal the next time you disarm the panel (except 24 Hour zones which must be manually un-bypassed). 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 Bypass that detector (say Zone 1) from the system.

To Bypass zone 1, key in the following sequence:

[BYPASS]
(Ready/Bypass and Program LEDs will illuminate).
1 [ENTER]

When the **[ENTER]** *key is pressed the Ready/Bypass LED will flash to indicate the Bypass function is active* ***before arming,*** *any number of zones may be Bypassed in this manner. Key in* **[BYPASS]** *again to add or remove Bypassed zones. Key the 1 again and zone 1 will be un-bypassed.*

<ARM>

NOTE: 24 hour zones (for example smoke detectors) will remain Bypassed until they are manually included again. All other Bypassed zones will return to normal automatically the next time the panel is armed.
It is advisable to vacate the secured area before the exit delay expires.

The ENTER Key

This key is used to accept a series of button presses.

Note: If you make a mistake while entering your code, press the **[ENTER]** key and start again.

The PROGRAM Key

This key is used to get into program mode. The PW-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). You will now be able to add, delete or change codes for other users.

MONITORING COMPANY:

Account Number_____ Passcode_____

Phone_____

USER CODES:

			Master Code
1.	Code_____	Name_____	☐ ü
2.	Code_____	Name_____	☐
3.	Code_____	Name_____	☐
4.	Code_____	Name_____	☐
5.	Code_____	Name_____	☐
6.	Code_____	Name_____	☐
7.	Code_____	Name_____	☐
8.	Code_____	Name_____	☐
9.	Code_____	Name_____	☐
10.	Code_____	Name_____	☐

ZONES:

	Delay	Stay Mode	Chime
Zone 1 _____	___	☐	☐
Zone 2 _____	___	☐	☐
Zone 3 _____	___	☐	☐
Zone 4 _____	___	☐	☐
Zone 5 _____	___	☐	☐
Zone 6 _____	___	☐	☐
Zone 7 _____	___	☐	☐
Zone 8 _____	___	☐	☐

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EVENT	DEVICE	INDICATOR	STATUS
WIRELESS ZONE LOW BATTERY	Wireless PIR Zone 1-8	LED's 1-8	Flashing
REMOTE CONTROL LOW BATTERY	Remote Control Button 1-8	TROUBLE LED's 1-8	On Steady Flashing
PANIC BUTTON (BUTTONS 1&3 PRESSED TOGETHER)	Keypad Panic	SYSTEM	Flashing
FIRE ALARM (BUTTONS 4&6 PRESSED TOGETHER)	Keypad Fire	SYSTEM AREA A	Flashing Flashing
MEDICAL ALARM (BUTTONS 7&9 PRESSED TOGETHER	Keypad Medical	SYSTEM AREA B	Flashing Flashing
PENDANT PANIC	Radio Key User 1-8	SYSTEM LED's 1-8	Flashing Flashing
ARMED A	Area A Armed	AREA A LED	On Steady
ARMED B	Area B Armed	AREA B LED	On Steady
STAY MODE A	Area A Stay Mode ON	AREA A LED	Flashing
STAY MODE B	Area B Stay Mode ON	AREA B LED	Flashing
DURESS ALARM	Duress Alarm	TROUBLE AREA A & B	On Steady Flashing

Installation Notes:

INSTALLTION COMPANY:

Company_____

Technician_____ Phone_____

Installation Date_____

To add a new user code:
By default only the master code has access to change add or remove codes. Any new codes added will be able to arm, disarm and put either area of the panel into 'Stay' mode. User codes can be limited in their levels of access if required. See your installer.

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

[PROGRAM] mastercode [ENTER]
The program light will come on steady, indicating readiness to accept new programming.
To load, for example, user code 3 with a code 4321, key in the following sequence: Add further user codes from 2 up to 10 if required.

[PROGRAM] 3 [ENTER]
If there is an existing code already in that address it will be flashed back on the key pads LED display. Entering the new code will delete the old and the new code will be flashed back to you.

4321 [ENTER]
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

[PROGRAM] 3 [ENTER] [BYPASS] [ENTER]

To exit out of program mode key

[PROGRAM] [ENTER]
Note: on the LED display 0 is indicated by LED 'A' and 9 by LED 'B'.

Event Memory
Your PW-8 alarm panel has an event memory which stores, the 127 most recent events including all alarm events and system events such as mains failure etc as well as sets.

The ***System LED will flash*** when an event occurs e.g. "mains failure".

When the event is cleared "mains returns", the ***system LED will remain steady.*** To clear this indicator press **[MEMORY]** or it will simply clear next time you arm the panel.

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The ***Trouble LED will flash*** when an alarm occurs e.g. Tamper Alarms. When the alarm is cleared, by entering a valid code the ***Trouble LED*** will turn off.

If the reason for the alarm is not cleared the ***Trouble LED*** will remain on solid until the cause is found and cleared fully.

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 enter View the EVENT MEMORY

Press **the [MEMORY]** button.

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 **[MEMORY]** key repeatedly and the memory display will be sped up accordingly

To exit memory mode press **[ENTER]**

If the System light is on, but no other Zone lights are—there are no current System alarms. Arming/Disarming or reviewing the Memory will turn it off.

When viewing the memory by pressing the **[MEMORY]** button, the first thing that will always be displayed are CURRENT SYSTEM FAULTS. Below here are the System fault indications:

Zone LED	System Fault
u	Battery Low
•	Mains Failure
Ž	Telephone Line Failure
•	Wireless Detector Battery Low
•	Remote Control Battery Low
‘	Wireless Detector Supervision Failure
’	Zone Inactivity Timeout
“	Dialler failed to get a Kiss-Off

Following the display of current system alarms the panel will then sequence through the 127 historical memory events starting at the most recent event.

VIEWING THE MEMORY

EVENT	DEVICE	INDICATOR	STATUS
ACTIVATION	Zones 1-8	LED's 1-8	On Steady
BYPASS	Zones 1-8	READY/BYPASS LED's 1-8	On Steady On Steady
DETECTOR TAMPER (SHORT CIRCUIT)	Zones 1-4	TROUBLE LED's 1-4	Flashing On Steady
DETECTOR TAMPER (OPEN CIRCUIT)	Zones 5-8	TROUBLE LED's 5-8	Flashing On Steady
CABINET TAMPER	Cabinet or External Siren	TROUBLE	Flashing
LOW BATTERY	Alarm Backup Battery	SYSTEM LED 1	On Steady On Steady
MAINS FAILURE	Alarm Mains Supply	SYSTEM LED 2	On Steady On Steady

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