



HAZAVOID

Wireless Emergency Alert Systems

COMPANY DIVISIONAL STRUCTURE OVERVIEW



Designers & Manufacturers of embedded electronic controls, safety warning solutions, in road advanced warning systems and rugged portable computing solutions

HAZAVOID
Wireless Emergency Alert Systems



PNE Electronics



SAFEZONE



impart



opentec



ecd
ecd.com.au





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Wireless Emergency Alert Systems

Hazavoid Components

Control Module

WIRELESSLY ACTIVATED SELF-CONTAINED UNITS

-  **Receive and relay** radio messages from remotes, fixed control panels or other control stations to other devices in the same network
-  Drive the remotely mounted **sirens or speakers**
-  Charge the internal battery (via mains or optional solar-powered charger)
-  May be **wall or pole-mounted** (requires optional mounting kit)





Sirens - Outdoor

EXTERNALLY MOUNTED AUDIO OUTPUT DEVICES

Connected to Control Stations to provide high-volume alerts via **distinct tones** and spoken **voice-overs**



Supplied with **cable** and has built in **mounting bracket**



Optional **pole mounting kit** available for installing on poles



Sirens - Indoor

ALTERNATIVE OUTPUT DEVICE TO HIGH-VOLUME SIRENS



Low Volume Audio Alert Solution which may be flush mounted in a cavity wall / ceiling or surface mounted in an architecturally unobtrusive housing



Ideal for **supplementary audio coverage** inside a building



Connects straight to Control Station



For a higher (approximately 10db) volume level, an optional **Indoor Speaker Booster** is available



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Indoor Beacon System

SUPPLEMENTARY VISUAL ALERTS FOR INDOORS

For locations where high-ambient noise, hearing-impaired personnel or regions of low siren audibility merit an additional mode of alert



Warnings are delivered via three or four colour-coded strobe lights



May be wall or ceiling mounted



Outdoor Beacon System

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Wireless Remote Control

WIRELESS HAND-HELD REMOTE

Control the activation of alert warnings



Test and diagnose system performance



Configure other networked devices



Wall-mounted Remote Control

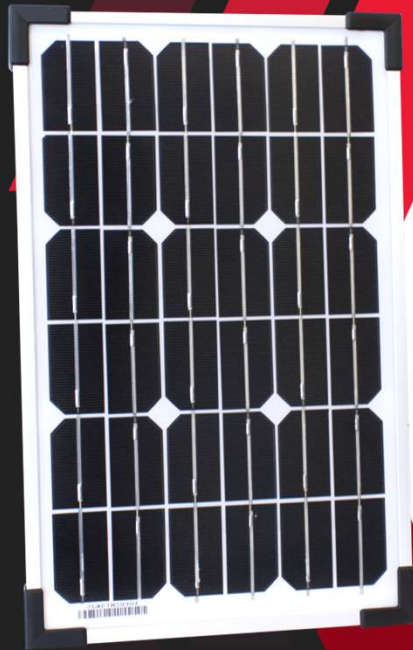
STAND-ALONE FIXED CONTROL PANNEL

-  Can be **remotely located** at strategic locations throughout a site to provide additional alert activation locations
-  Provide an activation signal to a network of installed Hazavoid™ devices and cannot be used to extend wireless system signal coverage
-  Designed to be **wall-mounted**



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Power Kits

SOLAR POWER OR MAINS POWER KITS

Solar Power Kit



May be connected to control station (one solar kit per station) to allow installation of control stations in locations that do not have mains power

Mains Power Kit



Plugs into mains power source to drip charge battery

HAZAVOID™ SPECIFICATIONS

OPERATING FREQUENCY
433.40 / 915 MHz

NOMINAL RANGE
300 m to another control station

RF POWER OUTPUT
10 mW

OPERATING TEMP
-20°C to 65°C

ENVIRONMENTAL RATING
IP66

DATA TRANSMISSION SECURITY
Encrypted with 32 bit pseudo-



ENCLOSURE MATERIAL
1.5mm Steel, Colour RAL 7035

MAINS BATTERY CHARGER
Input: 240Vac, Output: 16Vac 1.38A

INTERNAL BATTERY MATERIAL
12V 12Ah Sealed Lead Acid

TIME
Approx. 1000 Hours
(w/o activation)

MASS
Complete Control Station Assembly:
10kgs approx.

Hazavoid™ Features



Security Coded Wireless Alert System

Remote Control Activation

Loud, distinct AS2220 compliant siren tones & voice alert

Adjustable volume control

Rapid charge battery, scalable, modular architecture

Battery backup for each Siren Station & 300 m range per siren

Indoor, outdoor, or combined use

Up to 3 outdoor sirens or 18 indoor speakers per site station

Hazavoid™ Features



Wall or pole Mountable

Easy LED diagnosis

Ability to combine multiple units for large areas

Programmable inputs/outputs

Customisable alert tones

Mains or solar powered options

Easy integration with existing Fire Indicator Panels (FIP)

12-month warranty (return to base)

ACMA/FCC Certified

WILAS - Portable

PORTABLE WIRELESS LOCKDOWN & ALERT SIREN SYSTEM

-  Portable
-  Cost-competitive
-  Ideal for situations where infrastructure is not in place in event of an emergency
-  Delivers loud, easily distinguished **Lockdown, Evacuation** and **All Clear** alerts
-  For applications where fast response times are essential to minimize risk of injury or death resulting from incidents such as fires, lighting strikes etc.



WILAS - Portable

PORTABLE WIRELESS LOCKDOWN & ALERT SIREN SYSTEM



Designed to be ultra-compact and versatile



Can be quickly set up or packed in a matter of minutes



Quickly and easily transported to another location or stored for its next use



Able to charge the unit via mains outlet or 12v (car)



Features a Public Address (PA) microphone



Allows user to deliver loud and clear messages to their local audience as required





Advanced Warning System

WARN RAIL DRIVERS, MOTORISTS, PEDESTRIANS, OR CYCLISTS

Warn individuals about dangerous conditions that require them to stop or increase awareness



Allows for placement of battery powered, radio-controlled, compact beacons and alerts into potentially dangerous travel environments



How can Safezone be Implemented



Warning vehicles approaching a railway or pedestrian crossing that crossing is active.



Warning rail commuters on a platform to stand clear of edge



Warning pedestrians on a footpath that crosses a carpark exit of a vehicle approach



Warning drivers approaching an ambulance or fire station that a vehicle is departing ahead



Warning drivers on remote/unlit roads of road changed in bad weather (curves ahead to hidden driveways)



SAFEZONE AREAS OF APPLICATION



PREMISES ALERT



GOLF COURSE



WATER VESSELS



WATER RECREATION



LIGHTNING ALERT



HORSE RACECOURSE



RAIL



DRIVEWAY & CARPARKS



PEDESTRIAN LANES



CROWD GUIDANCE



ROAD HAZARD WARNING



ROAD MAINTENANCE



EMERGENCY VEHICLE SUPPORT





The world's most reliable wireless alert system

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