

Product Guide**A 4572** Alert / Evacuation Tone Generator

A 4572 Alert / Evacuation Tone Generator

**Overview**

This easy to operate controller is designed around industry standard building emergency alert/evacuate requirements. When connected to a paging system amplifier, building occupants can be alerted and/or evacuated in the event of an emergency eg: fire, gas leak, bomb scare, earthquake. Alert & evac switches are fitted with safety covers to prevent accidental operation. A CB style microphone (C 0335) may be plugged into the rear panel for recording voice over messages.

Operation

The A 4572 can be operated either by the remote trigger switch inputs on the rear panel or by the front panel controls. A voice over message can be recorded to give evacuation instructions. These will be precluded by the 'Evac' tone and can be set to repeat at varying intervals which are adjusted by the DIP switches on the rear panel.

Remote function: Terminals are provided for the connection of a remote switch wallplate (A 2081). When activated with a closing set of contacts this will activate any tone. This is useful when the controller may not be readily accessible.

Key Features

- ✓ **Australian made**
- ✓ **10 year manufacturer warranty with local product support**
- ✓ 1U 19" rack mount.
- ✓ Interfaces with fire indicator boards.
- ✓ Remote operation of alert and evac tones.
- ✓ 24V dc operation.
- ✓ Local operation of alert, evac and bell.
- ✓ Provision for voice-over message.
- ✓ Microphone terminal connection for recording voice message.
- ✓ Bell chime facility.
- ✓ Switched 24V output for operating override relay on remote volume controls with alert/evac/PA signals.
- ✓ Separate relays for alert and evac signals for external strobe light operation.
- ✓ On-board timer for remote alert activation adjustable from 30 seconds to 7.5 min in 30 second increments.
- ✓ Externally operated inputs are activated by switching to ground.
- ✓ Line level output.
- ✓ Tones conform to Australian standard AS1670.4.

About Redback® Public Address Products

Redback® products are proudly designed, engineered and manufactured in Australia.

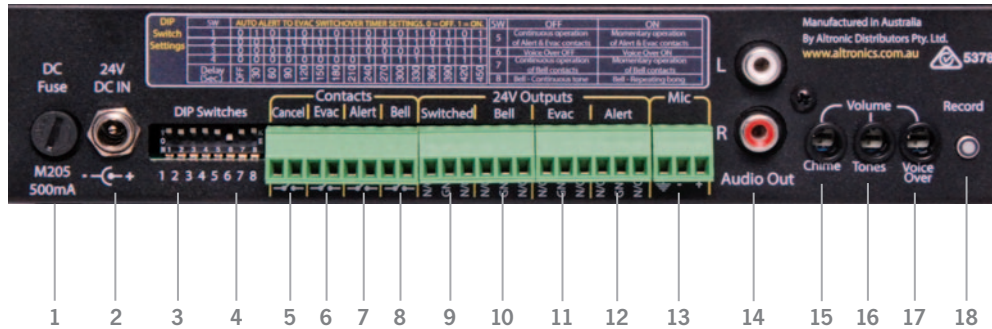
Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 30 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

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Rear Panel



| | | | | | |
|---|------------------|----|---------------------|----|--------------------------|
| 1 | M205 500mA Fuse | 7 | Alert contacts | 13 | 3 pin balanced mic input |
| 2 | 24VDC Input | 8 | Bell contacts | 14 | Audio RCA output |
| 3 | DIP switches 1-4 | 9 | Switched 24V output | 15 | Chime level |
| 4 | DIP switches 5-8 | 10 | Bell 24V output | 16 | Tones level |
| 5 | Cancel contacts | 11 | Evac 24V output | 17 | Voice over level |
| 6 | Evac contacts | 12 | Alert 24V output | 18 | Record button |

Specifications

Electrical

| | |
|------------------------|---------------|
| Output level: | 0dBm |
| Frequency response: | 140Hz - 20kHz |
| Mic input sensitivity: | 2mV balanced |
| Power supply: | 24V dc |
| Protection: | 1A fuse |

Inputs & Outputs

| | |
|----------------------|-------------------|
| Audio output: | RCA stereo socket |
| Switched 24V DC out: | Screw terminals |
| Mic input: | Screw terminals |
| Remote contacts: | Screw terminals |

Mechanical

| | |
|-------------|--------------------|
| Dimensions: | ≈210W x 145D x 44H |
| Weight: | ≈0.4 kg |

Architect Specifications

The control panel shall generate emergency alert and evacuation tones (Conforming to Australian Standard AS1670.4) and bell chime tones. It shall be able to be operated manually from the control panel, automatically by input from a fire indicator board or via remote switches. When triggered, both alert and evacuation operations shall also switch 24V DC relays to connect power to external strobe lamps. Background music shall be muted when any other function is operating. A rear panel mounted 3 way pluggable terminal shall provide microphone input. Rear mounted pluggable terminals shall provide for remote triggering of the chime, alert and evac tones by closing contacts. 24V DC relay outputs are provided for switching power to bell chime, alert and evacuation strobe lamps, switched 24V DC output for remote volume override relay control and an input of 24V DC. The rear panel shall have separate volume controls for Chime, alert evac tones, and voice over message. The unit shall have a recordable voice over message chip. The unit shall be remote triggerable by A 2081 wallplate which shall connect via RJ45 UTP cabling. Audio output shall be by dual line level RCA sockets. The unit shall operate from 24V DC and shall be fuse protected. The control panel shall be housed in a half width 1RU ABS rack chassis. The control panel shall be a REDBACK model A 4572.

Accessories

Remote Control Wallplates.

Allows the A 4572 alert/evac unit to be activated remotely. Featuring alert, evacuation, chime and cancel buttons with protective "flip up" covers to prevent accidental operation. Plate fits standard wall box. Two snap-on covers are provided, allowing you to choose a style that suits your installation.

A 2081 connects to main A 4572 unit via suitable 8 core cable. All connections via screw terminals for easy on-site termination.



A 2081



Made in Australia by Altronic Distributors Pty. Ltd.

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