## Product Guide

A 4595A School Lockdown Controller



## A 4595A School Lockdown Controller



#### Overview

This lockdown controller complements the A 4565 alert/evac controller and is primarily aimed at schools which require a lockdown warning facility. The controller has provision for a period bell plus a standby, lockdown and all clear tones. These can be activated by the switches on the front panel, by the remote closing contact triggers on the rear of the unit or by the optional wall plate (A 4598) or paging console (A 4596).

A pre bell/chime/tone is also included which can only be triggered by the closing contact on the rear of the unit. All tones are stored on an SD card in MP3 format. Using MP3 files gives the user complete control over the sounds played for each tone. This could be music, a pre-recorded tone or speech etc. The standby and lockdown tones can also be set to loop/repeat via external DIP switches. The order of priority from highest to lowest is all clear, lockdown, standby, bell and pre-bell. If the period bell is activated the period bell switch on the front of the unit will illuminate until the tone finishes. If the standby or lockdown tone is activated, the corresponding switch on the front of the unit will illuminate until the tone finishes. After this, the switch will continue to illuminate until the lockdown overrides the standby condition or the all clear condition is activated. If the all clear tone is activated the all clear switch will illuminate until the tone finishes.

If any wall plates or paging consoles are connected the switches or LEDs on these units will illuminate accordingly. The unit is powered from a 24V DC source (power supply included) and separate 24V DC switched outputs are supplied for remote triggering (of sirens/ strobes etc) for all tone conditions (pre-bell, period bell, standby, lockdown and all clear). Connections to the paging consoles and wall plates are made via Cat5e cabling. Up to eight paging consoles or wall plates can be connected at one time. A standard line level output is provided for connection to the schools PA system.

The lockdown unit can be connected to the A 4565 alert/evac controller if an EWIS system is also required.

#### Key Features

- ✓ Australian made
- √ 10 year manufacturer warranty with local product support
- ✓ 1U 19" rack mount
- ✓ Interfaces with A 4565 for a complete fire/evac & lockdown system
- ✓ 24V DC operation (plugpack included)
- ✓ Period bell, standby, lock down and all clear controls with remote contacts
- ✓ Connects to lockdown wallplate and/or paging console via Cat5e UTP cabling
- ✓ MP3 SD card tone & audio announcement playback
- ✓ Stereo RCA audio output
- ✓ Up to 8 paging consoles and 8 remote wallplates per system
- ✓ Flip up switch covers to prevent accidental triggering
- ✓ Adjustable rear mounted level control
- ✓ Switched 24V outputs for all conditions (all clear, standby, lockdown, bell, pre-bell, emergency & common contacts).

### About Redback® Public Address Products

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

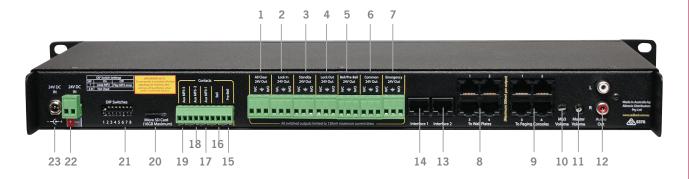
Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 45 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

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## Rear Panel



1	All clear 24V out
2	Lock in 24V out
3	Standby 24V out
4	Lock out 24V out
5	Bell/pre-bell 24V out
6	Common 24V out
7	Emergency 24V out
8	RJ45 connectors for wall plates

9	RJ45 connectors for paging consoles
10	MP3 volume
11	Master volume
12	Audio out RCA connectors
13	RJ45 connector
14	RJ45 connector
15	Pre-Bell contact
16	Bell contact

17	Aux MP3-1 contact
18	Aux MP3-2 contact
19	Aux MP3-3 contact
20	Micro SD card socket
21	DIP switches
22	24V DC input (backup)
23	24V DC input (main supply)

Output Level		
Output Connectors		
Audio output:	RCA stereo socket	
Emergency 24V DC out:	Euroblock terminal	
Common 24V DC out:	Euroblock terminal	

Audio output:	RCA stereo socket
Emergency 24V DC out:	Euroblock terminal
Common 24V DC out:	Euroblock terminal
Prebell/Bell 24V DC out:	Euroblock terminal
Standby 24V DC out:	Euroblock terminal
Lock in 24V DC out:	Euroblock terminal
Lock out 24V DC out:	Euroblock terminal
All clear 24V DC out:	Euroblock terminal
NOTE: Maxim	im output load par output is 120mA

NOTE: Maximum output load per output is 120mA

#### **Input Connectors**

Paging console input:	4 x RJ45 8P8C
Wall plate input:	4 x RJ45 8P8C
24V DC power:	Euroblock terminal
24V DC power:	2.1mm JACK (centre +ve)
PreBell, Bell, Aux, MP3 triggers:	Euroblock terminal

Controls
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0 0 1 1 1 1 1 1 1	
MP3 volume:	Rear volume
Master volume:	Rear volume
Power:	On/Off switch
Standby switch:	Illuminated push switch
Lock in switch:	Illuminated push switch
Lock out switch:	Illuminated push switch
All clear switch:	Illuminated push switch

#### Indicator

Power on bell/prebell active, MP3 error, aux MP3 active, PA active

## MP3 File Format

Up to 320kbps, 44.1kHz, 32bit,VBR or CBR, stereo (better as mono).

## General

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Power supply:	24V DC @ 2 Amp
Dimensions:	483W x 125D x 44Hmm
Weight:	1.6kg
Colour:	Black

#### **Product Guide**

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# System Accessories

#### **Remote Lockdown Vertical Wallplates**

This remote wallplate provides the same functionality as the buttons on the front of the A 4595. All switches have safety covers to prevent accidental triggering. If a tone is triggered by the main unit or a paging console the corresponding switch on the wall plate will illuminate. Connection is made via Cat5e cable with a maximum range of 300m and up to 16 wall plates can be cascaded together. Each wall plate must have its own ID number which is set by DIP Switches on the rear of the plate.

A 4598 Horizontal A 4598V Vertical





#### **Fire Alarm Test Remote Wallplate**

Provides the means to remotely operate the Fire Test and Fire Alarm tones of the A 4565 or A 4595. The switches are momentary operation and must be pressed for up to 3 seconds to activate. Protective 'flip up' covers prevent accidental operation. Connection is made to the A 4565 or A 4595 via standard Cat5e cabling. Connection is made via Cat5e cable with a maximum range of 300m and up to 4 wall plates can be cascaded together. Note, the Fire Test and Fire tones cannot be triggered by any other means than the A 4597 wall plate.



A 4597

## Paging Console With Lockdown Control

The paging consoles provide the same functionality as the buttons on the front of the A 4595. If a tone is triggered by the main unit or a wall plate the corresponding LED on the paging console will illuminate. A paging microphone allows the user to speak over the tone being played. Connection is made via Cat5e cable with a maximum range of 300m and up to 4 paging consoles can be cascaded together. Each paging console must have its own ID number which is set by DIP switches on the rear of the unit.

A 4596

