PRODUCT DATA SHEET

FS-LOCKDOWN
Lockdown Unit

FEATURES

- ✓ Australian made
- ✓ 1U 19” rack mount
- ✓ 24Vdc operation (plugback included)
- ✓ Period bell, Pre-bell, Aux MP3-1, Aux MP3-2 and Aux MP3-3 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 4 paging consoles and 16 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, lock in, lock out, bell, pre-bell, emergency & common contacts).

PRODUCT DESCRIPTION

The Lockdown Controller is primarily aimed at schools which require a lockdown warning facility.

The controller has provision for a Pre-Bell and a Bell Tone which are activated by the closing contact triggers on the rear of the unit.

Standby, Lock In, Lock Out and All Clear tones can be activated by the switches on the front of the controller, or by the optional wall plates, or paging consoles.

TONE OPERATIONS

All of the tones are stored on an SD card in MP3 format which is accessed at the rear of the unit. Using MP3 files gives the user complete control over the sounds played by each tone. This could be music, a pre-recorded tone or speech, etc.

The durations of time the tones are active is determined by the length of the MP3 used for that tone.

The tones can also be set to loop/repeat via external DIP switches. Note: This will apply to all tones.

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LOCKDOWN MODES

The Lockdown controller has four Lockdown Modes which are Standby, Lock In, Lock Out and All Clear. Once a Lockdown mode is activated an MP3 audio file is played until the audio file finishes or it changes mode.

Standby Mode
This would typically be used to notify students and staff that there may be a possible situation in the school grounds and to “Standby” for a possible Lock Down. A music track which doesn’t cause panic but is known by the staff would be an appropriate audio file to be played in this mode.

Lock In Mode
This mode would be used to notify students and staff that there is a situation outside the school classrooms but still in the school grounds (e.g The School Oval) or maybe the hall ways. Students and staff would be then required to lock themselves inside their classrooms. A warning tone with a repeating message may be suitable.

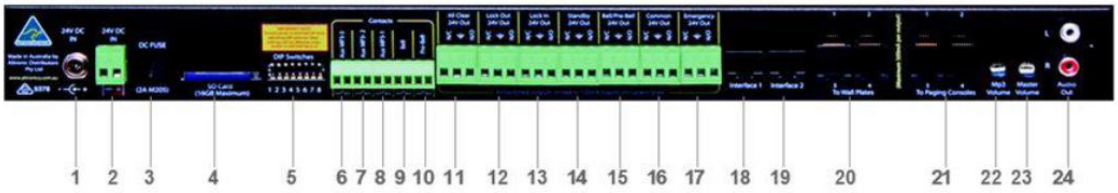
Lock Out Mode
This mode would be used to notify students and staff that there is a situation inside the school buildings. Students and staff would be then required to remain outside their class rooms or other school buildings, but remain in the school grounds. This may be applicable when students are on a lunch break and are playing outside. A warning tone with a repeating message may be suitable.

All Clear Mode
This would notify students and staff that it is now safe and the situation has been rectified. A music track which is known by the staff would be an appropriate audio file to be played in this mode.

The order of priority for the functions are as follows:

Emergency paging (Via the optional paging consoles), General paging (Via the optional paging consoles), All Clear Mode, Lock In or Lock Out Mode, Standby Mode, PreBell/Bell and (AuxMP3-1, AuxMP3-2, AuxMP3-3).

There are seven sets of 24Vdc output terminals for the connection of 24VdcC driven devices. E.g School bell, warning strobes, override relays in volume controls etc.



1	24V DC input (DC jack)	9	Bell contacts	17	Emergency switched 24V out
2	24V DC input (screw terminal)	10	Pre-bell contacts	18	Interface 1 RJ45 socket
3	DC fuse protection (2A M205)	11	All clear switched 24V out	19	Interface 2 RJ45 socket
4	SD card socket	12	Lock-out switched 24V out	20	4 x Wallplate RJ45 sockets
5	DIP switch selections	13	Lock-in switched 24V out	21	4 x Paging Console RJ45 sockets
6	Aux MP3-1 contacts	14	Standby switched 24V out	22	MP3 volume level
7	Aux MP3-2 contacts	15	Bell Pre-bell switched 24V out	23	Master volume level
8	Aux MP3-3 contacts	16	Common switched 24V out	24	Stereo RCA audio output

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TECHNICAL SPECIFICATIONS

Electrical

Output Level	1V RMS
Power Supply	24Vdc
Protection	2A fuse
Recommended System Cabling	Cat5e UTP

Inputs & Outputs

Wallplate Connection	4 x RJ45 8P8C
Paging Console Connection	4 x RJ45 8P8C
Audio Output	RCA stereo socket
Switched 24V DC Out	Screw terminals
Remote Contacts	Screw terminals

Mechanical

Dimensions	Approx. 483mm W x 152mm D x 44mm H
Weight	Approx 2.5kg

ACCESSORIES

Remote Lockdown Wallplate
The remote wall plates provide 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.

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.

Remote Lockdown Wallplate

Paging Console with Lockdown Control

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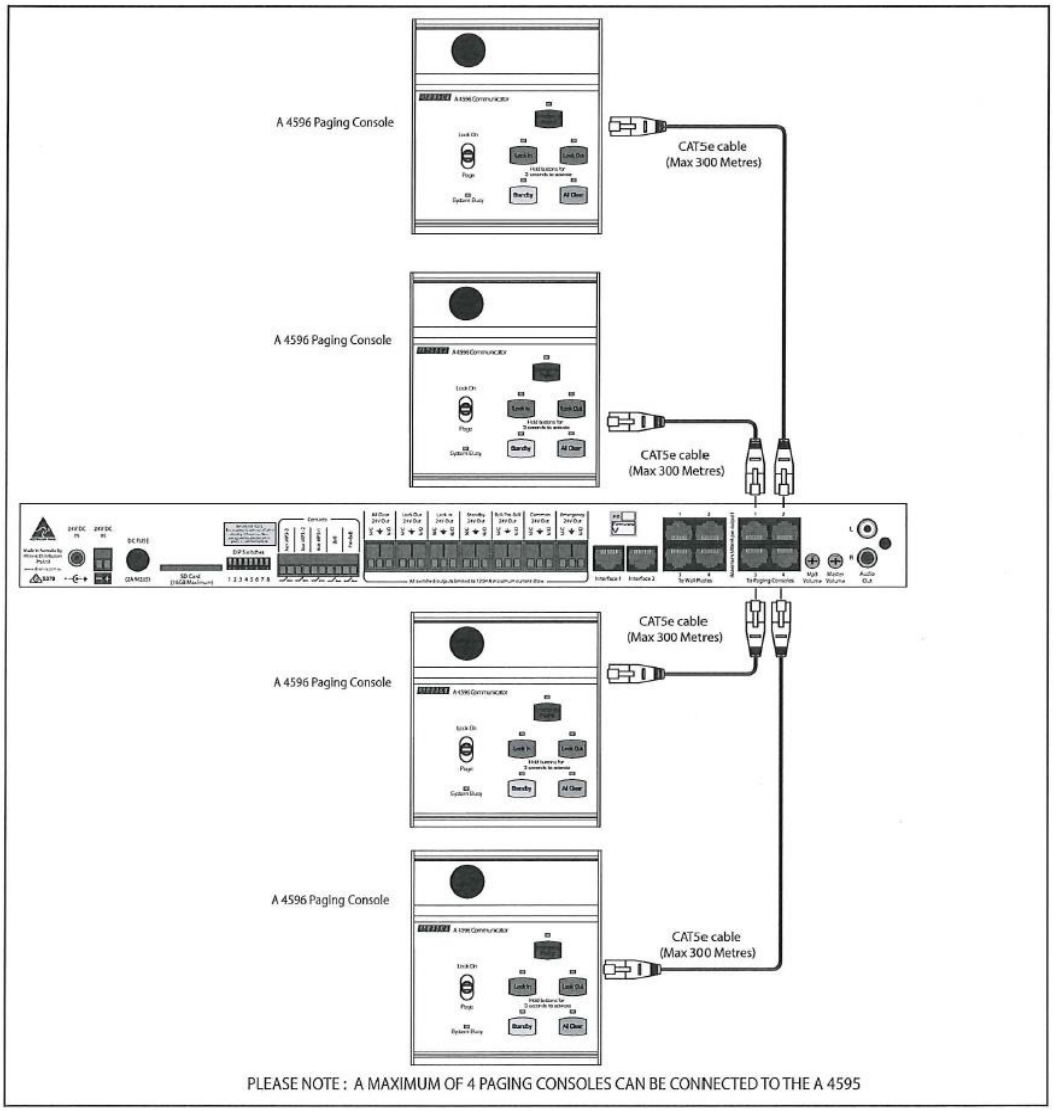
CONNECTING THE PAGING CONSOLES

The consoles are connected to the Lockdown Controller via standard Cat5e cabling as shown below. The maximum distance between the lockdown Controller and a paging console is 300m. Note that each paging console must be assigned an ID number before operation.

A maximum of four consoles can be connected using the four RJ45 ports on the back of the Lockdown Controller.

The diagram below shows how to connect one paging console per RJ45 port.



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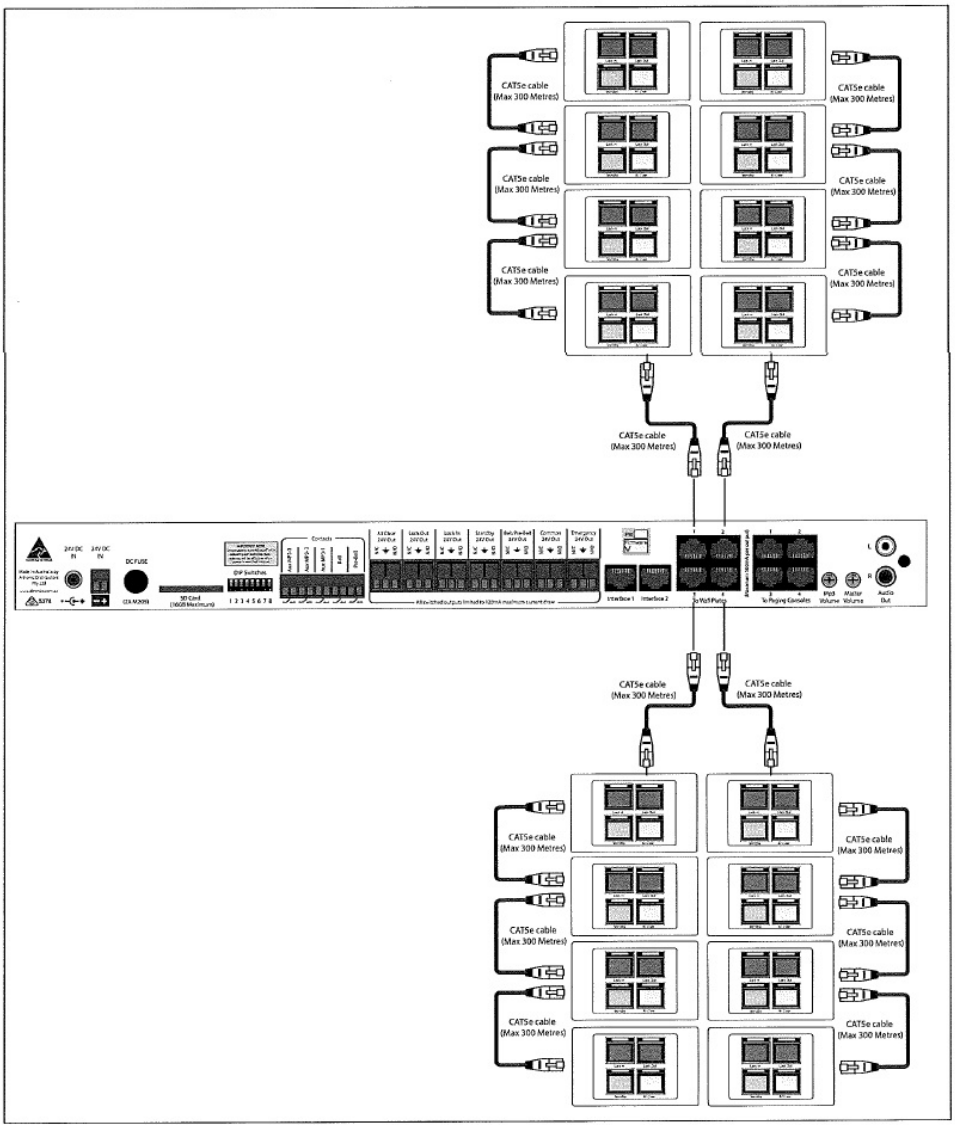

It is recommended that a maximum of 16 x Remote Lockdown wall plates be connected to the Lockdown Controller as shown in this figure. Although, up to 63 Remote Lockdown wall plates can be cascaded together to the Paging Console.

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