

# 4PAKc

## 4 CHANNEL DIMMER / CONTROLLER



### DESCRIPTION

The Jands 4PAKc integrates a four channel chaser control desk, dimmer and interconnecting cables into a single, easy to use economical unit. An in-built microphone enables the chaser to be triggered from ambient audio with no external connections.

The 4PAKc is suitable for use in a variety of situations including stage lighting for schools, bands and theatre groups, effects switching for mobile applications and the control of shop window or trade show displays.

The 4PAKc is rated for a total load of 2300 watts. The load may be connected to any single channel or spread in any combination across some or all channels.

### FEATURES

- Four (4) x 10A output circuits
- Long throw faders (60mm) allow precise level control
- Flash buttons instantly bring channels to full output
- A mimic LED per channel provides visual indication of each channel's output
- Integral chaser unit with speed control
- Audio switch to create sound-to-light effects from in-built microphone
- Master fader level control
- Over-current circuit breaker with built-in indicator
- Connections to the lights are made via four (4) standard GPO style outlets on the back panel
- Supplied complete with captive 1.7m lead fitted with 10A plug
- Integral carry handle
- Durable polycarbonate face panel decal

### OVERALL SPECIFICATIONS

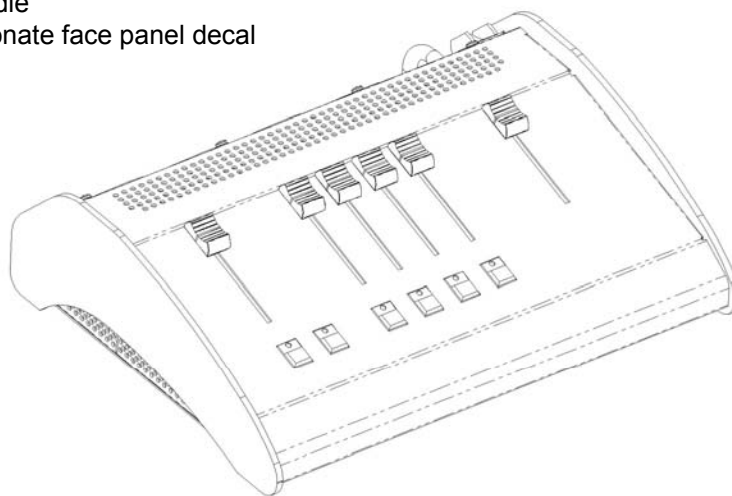
Channels	:	4
Power rating	:	2.3 kW per channel/ total
Power supply	:	230V +/-10% 10A max.
Mains input connector	:	Australian 10A plug
Maximum ambient operating temp	:	40°C max.
Output connectors	:	1 x 10A Australian outlet per channel
Output risetime	:	85us (10-90%)
Over current protection	:	1 x 10A magnetic circuit breaker
Over temperature protection	:	Internal 110°C cutout
Fader Controls	:	4 x channel level 1 x master level 1 x chaser speed
Button controls	:	4 x channel flash 1 x chaser on/off 1 x audio on/off
Dimensions (mm)	:	324x 255 x 93(WDH)
Net/shipping weight:	:	5.7kg

### SUPPLIED ACCESSORIES

- User Manual

### ORDERING INFORMATION

MODEL/PART	PART NUMBER
4PAKc 4 channel dimmer/controller	JND-4PAKc



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Specifications subject to change without notice. Manufactured by Jands Pty Ltd ABN 45 001 187 837.  
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**ARCHITECT & ENGINEER'S SPECIFICATION**

**Mechanical**

The dimmer/controller shall be designed to be free standing. The dimmer/controller shall be 324mm (wide) x 255mm (deep) x 93mm (high).

The dimmer/controller shall be constructed of 1.2 mm steel, and shall be provided with a removable base for access to internal electronics. All metal surfaces shall be properly treated and finished in durable powder coat or wet spray.

The dimmer/controller shall have a built-in handle for easy transport and sides designed to provide a degree of protection for front panel controls.

All operator controls and displays shall be provided on the top operating surface of the controller.

**Electrical**

The dimmer/controller shall feature four (4) identical controller and dimmer channels, each capable of dimming lamp loads of up to 2300 watts. The output sockets shall be 3 pin 10 amp Australian GPO.

The dimmer/controller shall be supplied with a 1.7 metre power cable fitted with a 10 amp Australian three-pin mains plug. The dimmer/controller shall operate from a single-phase supply of 220-240 volts AC with a frequency of 50 Hz.

The dimmer/controller shall have a magnetic circuit breaker that limits the consumed current to 10 Amps. The dimmer/controller shall be capable of drawing a maximum of 10 Amps from the mains supply, spread across any combination of a single or all four (4) channels.

**Electronics**

The dimmer/controller shall have a fader per channel to control the output level of that channel. A master fader shall control the output of all 4 channels together.

The dimmer/controller shall have a Flash button for each channel to instantaneously flash that channel to full output. The dimmer/controller shall use LEDs in the channel Flash buttons to mimic the channel output level.

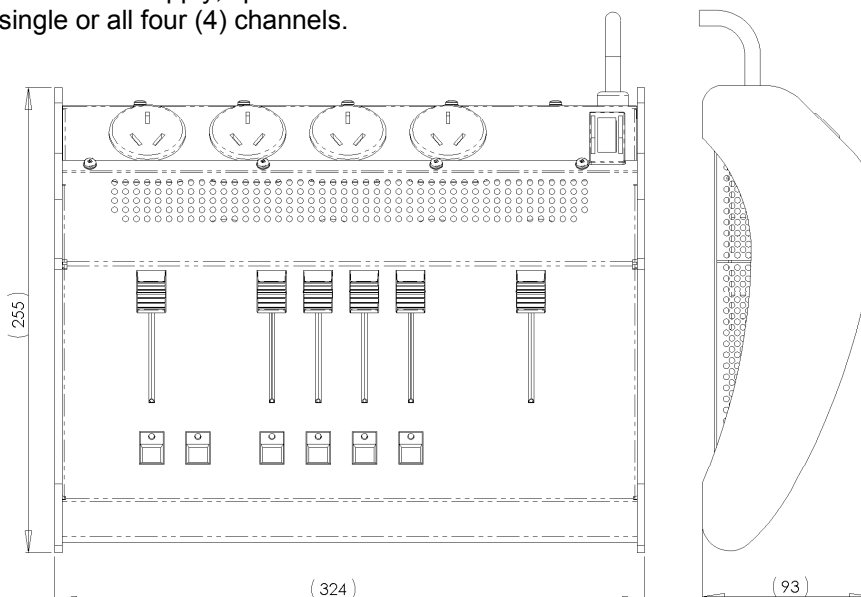
The dimmer/controller shall have an inbuilt chaser for sequentially turning each channel on and off, with the rate controlled by a Chaser fader. The dimmer/controller shall have an inbuilt microphone such that when enabled, the chaser will be triggered by any ambient low-frequency audio peaks.

The dimmer/controller shall feature toroidal RF-interference suppression chokes in each output channel, with a minimum risetime of 85 µs.

The dimmer/controller incorporates design techniques and interference suppression to comply with Australian directives on electrical safety and electromagnetic compatibility (EMC).

The dimmer/controller shall be factory tested to ensure the product meets stringent test criteria.

The dimmer/controller shall be the JANDS 4PAKc.



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