



The Jands HPC 12 Channel Dimmer/Controller Plus Contactor Unit – The leading edge in dimming – the Jands HPC12 with AirGap™ technology.

The HPC12 continues the JANDS tradition of building rugged and reliable dimmers and provides an innovative solution for all dimming and power control needs.

The HPC12 with AirGap™ technology integrates both dimming and high current full-on and full-off contactor type elements on each channel to deliver true, any load performance.

The HPC 12 has been designed with flexibility in mind. The Jands HPC12 is available in either 220 or 470 μ s rise times and upon request, with single Triac or dual SCR dimming devices plus a variety of output panel options. The HPC12 may also be fitted with an RCD protection device on each channel. In other words, you can maximise control of your rig with peace of mind.

The HPC12 provides all the features you expect from a top end product. Current control algorithms reduce the instance of circuit breaker drop out due to cold lamp inrush, while dual speed controlled fans, extremely high performance mains filtering and a soft over-temperature cut-out ensure maximum duty cycle and performance.

At last a dimmer that can truly control any type of mains load – the HPC 12 Dimmer with AirGap™ technology.

Features

- Combined dimmer and contactor per channel. A channel in switch mode that is turned off has a true air gap between the incoming mains and the output socket.
- DMX-512 digital control protocol with RDM
- Soft over-temperature cutout
- Dual temperature controlled DC fans
- Third-order active filters eliminate mains noise issues

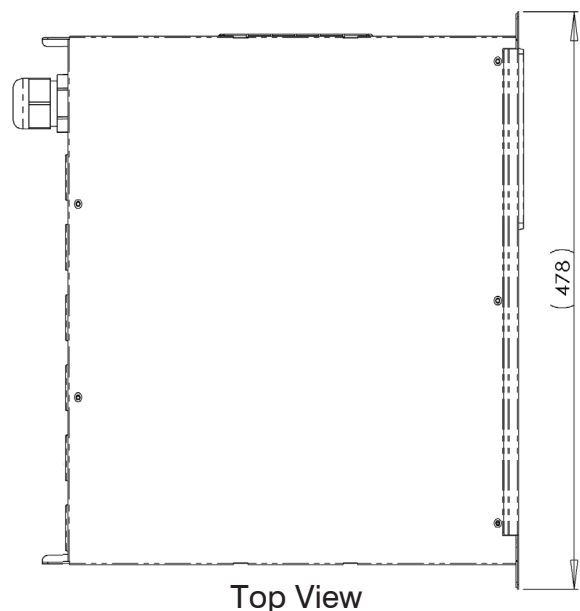
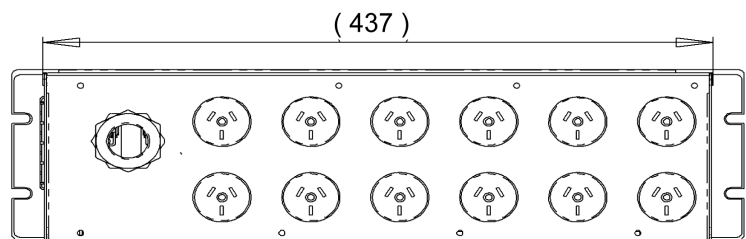
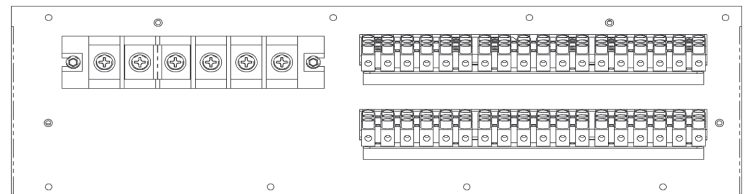
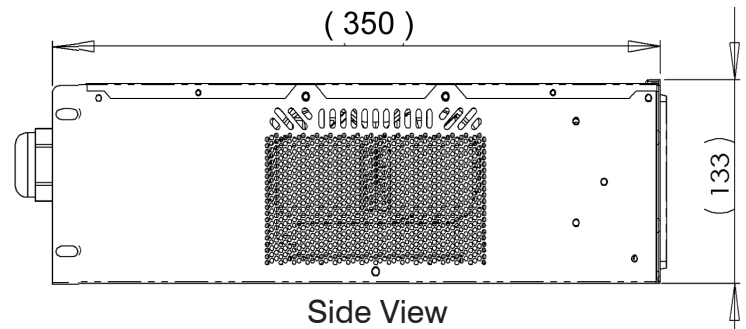
Manufactured by

JANDS

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Specifications

Channels :	12
Power Rating :	10A per channel
Mains type :	1, 2, or 3 phase with neutral
Mains Voltage :	90 to 264 VAC phase to Neutral
Mains Frequency :	40-66Hz
Operating Temp :	0 - 40°C max
Output Protection :	Thermal-Magnetic circuit Breaker per channel. Optional combined thermal-magnetic breaker plus 30mA RCD
Control Input :	ANSI E1.11:2004 DMX512A ANSI E1.20:2006 RDM
Input Connector :	5 pin AXR with loop through
Dimmer Curve :	Linear Power
Snapshot scenes :	2
Output rise-time :	220 or 470µs, 10-90%
Dissipation :	<1.0% of output load
User Interface :	3 x 7 segment red LED + 4 switches
Indicators :	3 x blue, 2 x bicolour, 1 red, 1 x green
Start Channel :	Any number from 1 to 512
Ingress Protection :	IP20
Dimensions (mm) :	478(W) x 350(D) x 133(H)
Net/shipping weight :	Approx 28kg (Dependant upon the as-built configuration)



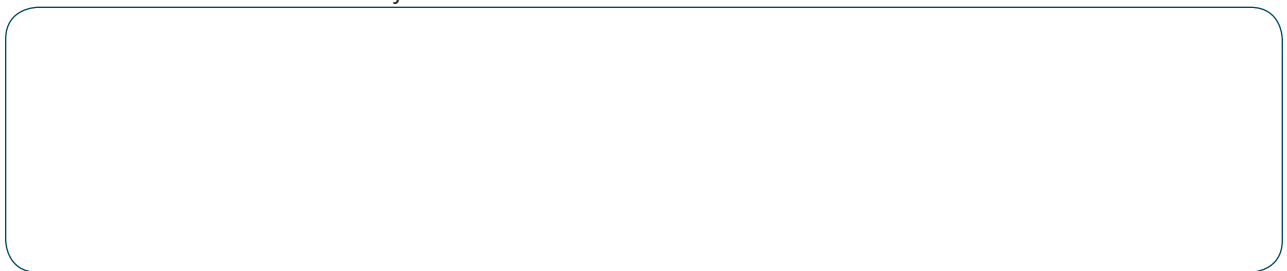
Supplied Accessories

- 2 metre 3-phase lead and P540 (or equivalent) plug Note: lead and plug not supplied with hardwire product
- 2 x heavy duty rear mounting support brackets
- User Manual

Ordering Information

Model/Part	Part Number
10A/220us/Triac/P540/Australian Output	JND-HPC12-AZ100
10A/220us/Triac/Hardwired Input and Output	JND-HPC12-AZ102
10A/470us/SCR/P540/Australian Output	JND-HPC12-AZ110
10A/470us/SCR/P540/Australian Output/RCD	JND-HPC12-AZ110R
10A/470us/SCR/2 x Socapex style outlets	JND-HPC12-AZ111
10A/470us/SCR/2 x Socapex style outlets/RCD	JND-HPC12-AZ111R
10A/470us/SCR/Hardwired output	JND-HPC12-AZ112
10A/470us/SCR/Hardwired output/RCD	JND-HPC12-AZ112R

For further details contact Jands or your nearest Jands authorised dealer:



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