

JANDS

Dimming & Power Control Systems



PowerControl Systems

Maximising the benefits of lighting technology and the introduction of “green” requirements, Jands HUB Power Control Systems allow venues to easily integrate the control of the stage power and a mixed inventory of LED and traditional lighting into the building management infrastructure.

The HUB Power Control Systems are available in two variants: the HUB SDP which offers 12 contactor/dimmer circuits with 12 direct power distributors; while the HUB XCD is a more robust Power Distribution unit.



HUB XCD

The Hub XCD is ideal for complex installations where more control may be required. The Hub XCD has a dimmer and contactor pair per channel and can be configured to be on, off or to act as a dimmer. The Hub XCD also features a Standby mode which enables all connected loads to be globally turned on or off, reducing power usage substantially when venues are not in use.

- Combined dimmer and contactor pair per channel
- RCD per channel
- DMX-512 control protocol with RDM
- Ethernet input supports streaming and command protocols
- User configurable switch inputs
- Touch screen LCD with graphical user interface
- High performance ARM CPU
- Switch and indicator per channel
- Soft power off facility with sequenced power on
- Active filters ensure stable dimming output
- Soft over-temperature control
- Temperature controlled fans
- Simple installation
- Companion Patch module



HUB SPD

The Hub SDP combines 12 fully controllable contactor/dimmer circuits and 12 direct power distribution circuits in one chassis.

- 12 fully controllable dimmer/contactor channels and 12 direct power distribution in one chassis
- Contactor/dimmer circuits can be configured to dim or switch under DMX control, or be hard on or off
- Automatic contactor control reduces heat load when dimming
- Synchronous contactor control extends contactor life
- RCD per phase
- Overcurrent circuit breaker per channel
- LED indicators and configuration switches per channel
- Extensive RDM support
- Active filters ensure stable dimming output
- Soft over-temperature control
- Temperature controlled fans
- Simple installation
- Extremely high density allows high channel counts to be installed in a small area
- Companion output patch system available



HUB PATCH

The HUB-Patch's modular design allows it to be configured during installation to suit the requirements of most permanent dimmer systems. The frame comes supplied with 24 channels, each fitted with a 10 Amp lead and plug, providing a 24 way patch capacity out of the box. An additional four modules can be fitted during installation to extend the capacity of the patch system to 72 x 10A circuits in increments of 12 circuit modules.

- Unique high density form factor
- Compatibility with Jands HUB-XCD and HUB-SDP series power controllers simplifies design and installation
- Frame supplied with 24 pre-wired 10A leads
- Up to four additional 12 channel modules can be fitted giving a maximum of 72 x 10 Amp lead and plug circuits
- Easy cable access via large rear opening
- High density
- Rapid installation

Dimmers

Jands lighting consoles, dimmers and lighting control products are internationally recognised as reliable, good value, solid and dependable.

HPC - *one product for every application.*

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.



- 12 channels at 10A per channel
- 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 cut-out
- Dual temperature controlled DC fans
- Third-order active filters eliminate mains noise issues
- Available in either 220 or 470 μ s rise times
- Upon request, with single Triac or dual SCR dimming devices
- Variety of output panel options.
- May also be fitted with an RCD protection device on each channel

HPD

The Jands HPD represents a fully featured power product designed for the remote control of all dimmable mains powered equipment.

- 6 channels at 25A per channel
- DMX-512 digital control protocol with RDM functionality allows remote configuration and status readback
- Soft over-temperature cut-out
- Dual temperature controlled DC fans
- Third-order active filters eliminate mains noise issues
- Output rise time 330 μ s
- Multiple phase power operation modes
- Low acoustic/electrical noise
- Operates from wide mains supplies 100V to 230VAC, 40 to 66Hz



FPX

The Jands FPX is a rugged 12 channel 2.4kVA per channel dimmer rack ideally suited for applications where ease of use and cost efficiency are primary concerns. A simple menu is used to access the configuration and test options making the product ideal for schools and driveway hire applications.

- High contrast three digit 7 segment display
- Simple operation
- Built in test facilities
- Opto fired triac control
- Recessed channel circuit breakers
- Smart turn on software prevents nuisance tripping of circuit breakers

- DMX address selected by start channel, in banks of 12
- Over-temperature protection
- Over-voltage protection
- Last DMX value held for 10 minutes if control data is interrupted



WMX

The Jands WMX is a high quality wall mounting 12 channel 2.4KVA per channel dimmer rack specifically designed for contracting/theatre applications. A simple menu is used to access the configuration and test options making the product ideal for schools and general installation use.

- High contrast three digit 7 segment display
- Simple operation
- Built in test facilities
- Opto fired triac control
- Smart current-control software prevents nuisance tripping of circuit breakers
- Circuit breaker protection
- Stand alone operation with channel level control
- DMX start address selected by start channel, in banks of 12
- Over-temperature detect
- Over-voltage cut off protection
- Last DMX value held for 11 minutes if control data is interrupted



4PAKD - *As versatile as a Swiss Army Knife*

The Jands 4PAK-D integrates an enhanced four channel multi-scene/chaser control desk, dimmer and interconnecting cables into a single, easy to use economical unit.

- Four (4) identical control channels may be controlled via the front panel or remotely by DMX
- A fader and flash button per channel for manual control
- A mimic LED per channel provides visual indication of each channel's output at all times
- High brightness LED display
- Easy to use menu-based setup
- Predefined and user programmable chases
- User programmable scenes
- Link capability for expanded operation



PatchingSystem

WM Patch

The Jands WM-Patch is a wall/rack mounting patch panel system that can be configured by the end user to suit the requirements of most permanent dimmer systems.

A WM-Patch 24A comes supplied with 2 pre-wired modules, each fitted with 12 x 10 amp lead and plug circuits, providing a 24 way patch capacity. An additional 4 pre wired modules can easily be fitted to extend the capacity of the patch system to 72 x 10 amp lead and plugs, in increments of 12 circuits per module.

Alternatively the WM-Patch system can be configured to accommodate up to 36 x 20 amp lead and plug circuits or 36 x 10 amp (or

20 amp) sockets in increments of 6 circuits per module, with a maximum capacity of 6 modules.

It is possible to mix and match lead/plug modules with socket modules as long as the basic capacity of 6 modules per patch frame is not exceeded. For example it is possible to configure a WM Patch system to have 36 x 10 amp lead and plugs together with 18 x 10 amp or 20 amp sockets.

Features

- Supplied complete with 2 pre-wired 12 way 10 amp lead modules
- Supplied complete with detachable wall/rack mounting bracket
- Up to 6 (lead and plug or socket) modules can be accommodated
- Unused spaces are filled with blank modules
- Up to 72 x 10 amp leads and plug circuits, in increments of 12 circuits per module
- Up to 36 x 20 amp leads and plugs circuits, in increments of 6 circuits per module
- Up to 36 x 10 amp sockets, in increments of 6 circuits per module
- Up to 36 x 20 amp sockets, in multiples of 6 circuits per module
- Socket module is able to be fitted to both sides by rotating sockets
- Compatible shape with Jands WMX dimmers
- Easy cable access via large rear opening



PowerDistribution

Distribution of mains power is the backbone of any performance sound, lighting or vision system. It is also crucial that the means employed to achieve this are in keeping with the latest regulations set out by the energy authority. Safety, reliability and importantly

compliance with the relevant legislation are all factors that ensure that your power distribution system will not only protect the people who use it but also those who are legally responsible for their welfare.



PDS12R11

12 x 10amp Power Distribution Unit.

The Jands PDS12R11 Power Distribution System is designed for fixed or mobile applications where three phase to single phase GPO power distribution is required.

The Jands PDS12R11 has RCD protection per phase.



PDS6R11

6 x 20amp Power Distribution Unit.

The Jands PDS6R11 Power Distribution System is designed for fixed or mobile applications where three phase to single phase GPO power distribution is required.

The Jands PDS6R11 has RCD protection per phase.

DataSplitter

DD811



The Jands DD8 provides the optimum in DMX-512 isolation ensuring complete isolation from data drop-outs, buffering and isolating each input and output. Everything you need is there including 500V AC isolation on each of its eight outputs; DMX Thru connection, termination switch and clear and easy to read LED indicators. The DD811 conveniently fits into a 19 inch rack.

Proud Member of



audio • lighting • staging

Over the past 40 years, Jands has become known as Australia's premier supplier of high quality audio, lighting and staging products. These products are found world-wide in applications where excellence is paramount.

Jands designed and manufactured dimmers and lighting control equipment enjoy an international reputation for innovation and reliability.

Best Products, Best Solutions, Jands.

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