



PD191 Location Quad Pro-Dim 10  
with DMX input option

The Quad Pro-Dim 10 provides four channels of dimming or switching operation in a robust and portable package. With circuit breaker protection on each channel and CEE form input and output connectors, the pack is ideal for studio, marquee or location use. The pack combines hard fired triacs with digital control technology to achieve complete dimming control with no minimum load constraints making it suitable for a wide range of dimming applications from incandescent lamps to motors and cold cathode lighting. Portable 4 channel dimming/switching pack with CEE form input and outputs

- Suitable for dimming control of incandescent, resistive, inductive/wound transformer loads, and most dimmable electronic transformers for low voltage or cold cathode lighting
- 10A per channel capability with C10 circuit breaker over current protection on each channel
- 32A double pole isolator / circuit breaker limits total input current
- Optional RCBO earth leakage input supply protection
- Robust steel construction with insulating feet and carrying handle
- Local level control on four 60mm sliders
- Internal 0-25% Preheat control
- Remote control version PD191 with analogue and DMX inputs
- DMX input on both XLR and RJ45 in and through sockets
- Thumbwheel bcd DMX address setting and DMX data LED
- Dual DIN analogue inputs
- Wipe clean channel assignment panel, including marker pen
- Effects model PD191FX: Includes pre-programmed lighting effects



Rear view



Front view without DMX

The unit has a 32 A CEE form chassis mounted plug for the input, with four 16 A CEE form chassis mounted output sockets. The input is protected by a 32 A double pole circuit breaker, while the outputs are protected by 10 A single pole circuit breakers.

The lid of the Quad Pro-Dim is larger than the chassis, creating a hood. This offers a degree of protection from moisture and accidental damage to either the breakers or local control sliders.

The Quad Pro-Dim can be truss mounted on two G clamps, if required, through M10 captive nuts which are situated at the back on the chassis and hood.

A thermostatically controlled fan keeps the unit within operating temperature limits and will be brought on as the temperature rises. If unable to maintain correct operating temperature a microprocessor limits channel output levels. Full output is restored when the temperature has been reduced.

The standard product has local control via sliders, but the Quad Pro-Dim can also be supplied with 8 pin DIN sockets for remote analogue control and/or 5 pin or 3 pin XLR and RJ45 sockets for remote control by DMX.

The **PD191FX** version includes pre-programmed lighting effects designed for use in theatre, film and TV industries. These realistic effects are tailor made to simulate a number of light sources including firelight, candle light and lightning and provide a versatile effects unit integrated into a handy four channel location dimmer.

Effects can be adjusted through use of the four slider controls provided on the unit to control minimum, maximum levels, effects speed and a controllable level of extra sparkle. When these effects are not required, the four channel dimmer can be controlled from the four channel sliders or from DMX. One handy unit, three possible modes of use.

### Input Supply

Single phase connection – live, neutral and earth through 32 A double pole circuit breaker

Operating Voltage range 215 – 245 V AC, Frequency 46 – 64 Hz

Electronics protected by 100 mA anti-surge 5 x 20 mm glass fuse

32 A double pole circuit breaker

### Outputs

4 channels of either zero voltage switching or phase controlled dimming

Type C 10 A circuit breaker on all channels

Rating 10 A rms per channel maximum

### Optional Control Inputs

Merged DMX and analogue control inputs.

DMX control to USITT DMX 512 via XLR and RJ45

Analogue inputs via DIN sockets, 0 to +10 V input control range (full range adjustable between 5 V and 25 V)

### DC Outputs

+ 5 V, 50 mA regulated supply for external equipment on RJ45

+ 10 V, 10 mA reference supply on DIN sockets

+ 25 V 50 mA supply for remote desks etc. on DIN sockets

### Operation

Use sliders on the front to set levels. Dimming or switching operation individually (internally) selectable for each channel

Preheat 0-25%

Electronic ballast setting for electronic loads

For correct operation and cooling, do not block vents or fan

Always operate horizontally, whether on the feet or G clamps

If DMX fitted: Start address from 1 to 511 settable on bcd switches

If DMX input fails, last level is held indefinitely until DMX input restored

Test mode: DMX input disabled, and channels can be individually switched from Off to either full On or to 50% dimming

### Indicators

Mains On indicator

Internal monitor LED indicator per channel

DMX active LED indicator/thermal

Breaker tripped indication of overload condition

### Physical / Environment

Rugged steel chassis construction

H x W x D 135 x 410 x 330 mm

WEIGHT 8.6 kg

BOXED 180 x 500 x 410 mm

WEIGHT 10 kg

Recommended ambient operational temperature range 0 – 35°C

**Compliance** Complies with relevant parts of current CE regulations for:

EMC: EN50081-1 emissions, EN50082-1 immunity

LVD: EN60439 / EN60950

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**Anytronics Limited**

Units 5-6 Hillside Industrial Estate, London Road, Horndean, Hants, England, PO8 0BL, UK

Tel: +44 (0)23 92 599410 Fax: +44 (0)23 92 598723 email: sales@anytronics.com www.anytronics.com

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