

Single Channel 10A Dimming/Switching Pack
LOCATION PRO-DIM 10



Location Pro-Dim 10
with DMX option shown.

The Location Pro-Dim 10 provides portable dimming and switching control for use in studios, marquees or on location. Housed in a robust steel enclosure with carrying handle and insulating feet, this dimmer with 16A CEE FORM inputs and outputs is ideally suited to use in such applications. A front panel level control with mimic LED provides immediate control of dimming levels, with an external DMX input as an option, and the 10A circuit breaker provides reliable circuit protection.

- Portable 10A 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
- Front panel C10 circuit breaker overcurrent protection
- Front panel rotary level control
- Selectable dimming or zero voltage switching operation
- Power connected neon indicator
- Internal 0-25% preheat control
- Setting for use with electronic ballasts
- Recommended minimum load 100 W
- Selectable 1 second fade rate for soft start operation with large incandescent lamps
- Optional DMX input on XLR and RJ45 with thumbwheel bcd address setting and selectable termination resistor



K160

K169

The Location Pro-Dim 10 is a versatile and portable single channel dimmer which can also be used for zero voltage switching of suitable loads. It features front panel mounted rotary level control, mimic LED 'power connected' neon indicator and circuit breaker.

DMX512 option

If fitted, this option will allow connection of DMX inputs via 3 or 5 pin XLRs or via a convenient RJ45 connector. The RJ45 connection also provides a +5V supply to external equipment such as the Anyscene or AMD range of Anytronics DMX controls. The DMX address is set on the three bcd switches. An address of zero will disable the DMX input. Addresses between 512 and 799 are interpreted as address 512. Addresses above 799 will be ignored.

Internal DIL switch options

With DIL switch 1 OFF dimming operation is selected, with it ON then the output will be zero voltage switched on and off as the inputs pass through the switching thresholds.

If problems are encountered when dimming loads connected via electronic transformers, switch DIL switch 2 to ON for better compatibility with this type of load.

For a smooth output response, the normal dimming response time with DIL switch 3 OFF is approximately 100 mS. By switching DIL switch 3 ON this response time can be extended to one second in order to diminish the thermal shock applied to large incandescent loads.

Such loads should ideally have a measure of preheat set as well so that lamp filaments remain warm and in a high impedance state.

A DMX termination resistor can be switched in by setting DIL switch 4 to ON.

Technical Specification

SUPPLY

Nominal 200-240 Vac, 50/60 Hz

OUTPUT BREAKER

Maximum current 10 A limited by C type circuit breaker
 Minimum recommended load 100 W
 Full load 10%-90% current risetime > 160 μs

CONTROLS/INPUTS

Rotary level control
 Optional DMX input on XLR / RJ45

OPERATIONAL OPTIONS

- 1. Dimming or zero voltage switching
- 2. Electronic ballast dimming
- 3. Rate limiting for soft start operation

DIMENSIONS

300 mm x 200 mm x 120 mm

WEIGHT

3.0 kg net 3.4 kg gross

COMPLIANCE

Complies with relevant parts of current CE regulations
 for EMC: EN50081-1 emissions, EN50082-1 immunity
 LVD: EN60439 / EN60950

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