

RackPack I

Dimmer Pack

RackPack I, 12 channels, 13 amp MCBs



- Simple and rugged dimmer for Schools, Hire, Theatre, or TV
- DMX start address setup by thumbwheel for utmost simplicity
- Fully isolated DMX Input with DMX Thru output
- Surge protected DMX input, 1/8th standard RS485 load
- Dimmer protection by thermal-magnetic circuit breakers
- 6 channel and 12 channel versions available in either SCR and budget Triac versions

THEATRELIGHT NZ

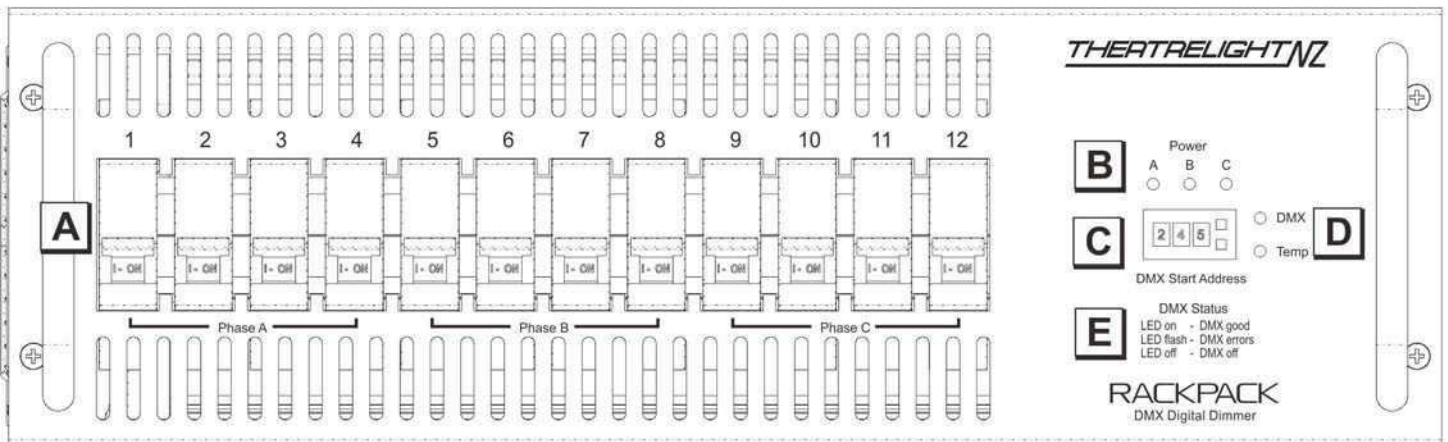
of New Zealand

Rack Pack I Dimmer Pack

Easy to set up and use, the Rackpack I has all the functions necessary in a reliable dimmer for Schools, Hire, Theatres or TV studios. The simplicity of the Rackpack I makes it ideal for schools and hire use as there are no complicated setup issues: once the DMX start address is set, there is nothing else to go wrong. This new design uses the latest microprocessors and components chosen for reliability. The isolated DMX input presents only 1/8 th standard loading, reducing the possibility of DMX errors. Noise filters on the zero cross sensors ensure immunity to mains interference even in the most adverse environment. The wide input voltage and frequency range allows the Rackpack I to work in any country. The Rackpack I is available in an economic 12 channel Triac model, and 12 and 6 channel SCR versions with a variety of output connectors, or to customer specification.

RACKPACK I

- Simple and easy to use DMX setup by thumbwheel
- DMX LED indicates state of DMX signal
- Temp LED flashes if there is an overtemperature condition. If the overtemperature condition continues, the dimmers are faded to black. When temperatures reduce, the dimmers levels are restored
- LED indicators to show mains on phases A, B and C
- DMX-512 in and through connectors
- XLR connector options include Neutrik 3 or 5pin, and generic brand goldplated 3 or 5 pin XLRs
- Isolated, floating DMX input, 1/8 th standard RS-485 load
- Fixed 300msec softstart for long lamp life
- In the event of a bad DMX frame, the last levels are held
- Variable speed cooling fan for low acoustic noise and long fan life
- Amorphous iron powder toroidal chokes for low EMI
- High immunity to Mains interference and low DMX signal
- Protection by Thermal/Magnetic circuit breakers



Front Panel Legend

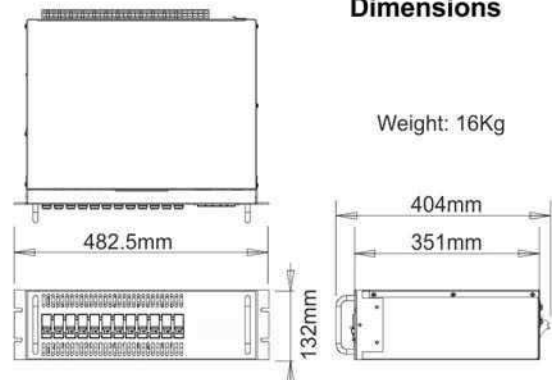
- A: Thermal/Magnetic Circuit Breakers (MCB) protect each dimmer in the event of a lamp failure or load short circuit
 B: A B C LEDs indicate presence of mains power on each phase
 C: Thumbwheel for setting DMX Start Address

- D: The DMX LED shows the presence of DMX signal, and any errors. The TEMP LED flashes if there is an overtemperature condition
 E: DMX LED status legend

Specifications

Form: 3u high, 19 inch wide, powder coat zinc-plated steel case
Electronics: Flash MCU, digitally controlled power devices
Input: 90 to 265 volts AC, 1, 2 or 3 phase and Neutral, 45 to 65 Hz
Output: 12 chn Triac (ST BTA40-600, Itsm 300 amps), 12 chn SCR (ST BTW69-600, Itsm 580 amps), 6 channel SCR (IR 70TPS1200, Itsm 1200 amps) versions available in various current ratings
Filtering: Iron powder toroidal filter chokes
Terminations: Moving cage terminals, or cable input with socket
Control Input: DMX-512 via Neutrik 3 or 5 Pin XLR connectors with a DMX Thru output for linking other dimmer packs

Dimensions



Your Local Distributor:

THEATRELIGHT NZ

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