

Rack Mount Dimmer

- 12 Channels
- 1200W per Channel
- 10 Amp Fast Acting Fuses
- Dim/Relay Mode per 6 Channel groups
- 120/240V 60 Amp
- DMX-512 Protocol
- UL-508 Compliant
- Optional Circuit Breakers

RE121D
Rack Mount Dimmer



The RE121D is a 12 channel rack mount dimmer with a capacity of 1,200 watts per channel giving a total of 14,400 watts. It is suitable for church, stage, theater, school, night club, live performances and other event and artistic applications.

The RE121D is controlled by a lighting control console. The unit uses the DMX-512 control protocol. Channels 1 - 6 and/or channels 7 - 12 may be switched to operate in "relay" mode. In relay mode, channels are either full on or full off (non-dim) depending on console fader position..

Control Output Connection Options:

230V - 230 Volt Operation

DP - Duplex outlet panel with 1 connection per channel

XT - External terminal strip / Barrier Connector (includes knockout cover)

CB - Circuit Breaker Option *Non UL-508 Compliant

ST - Stagepin panel with 1 connection per channel *Non UL-508 Compliant

SO - Socapex connector panel (wiring per customer selection) *Non UL-508 Compliant

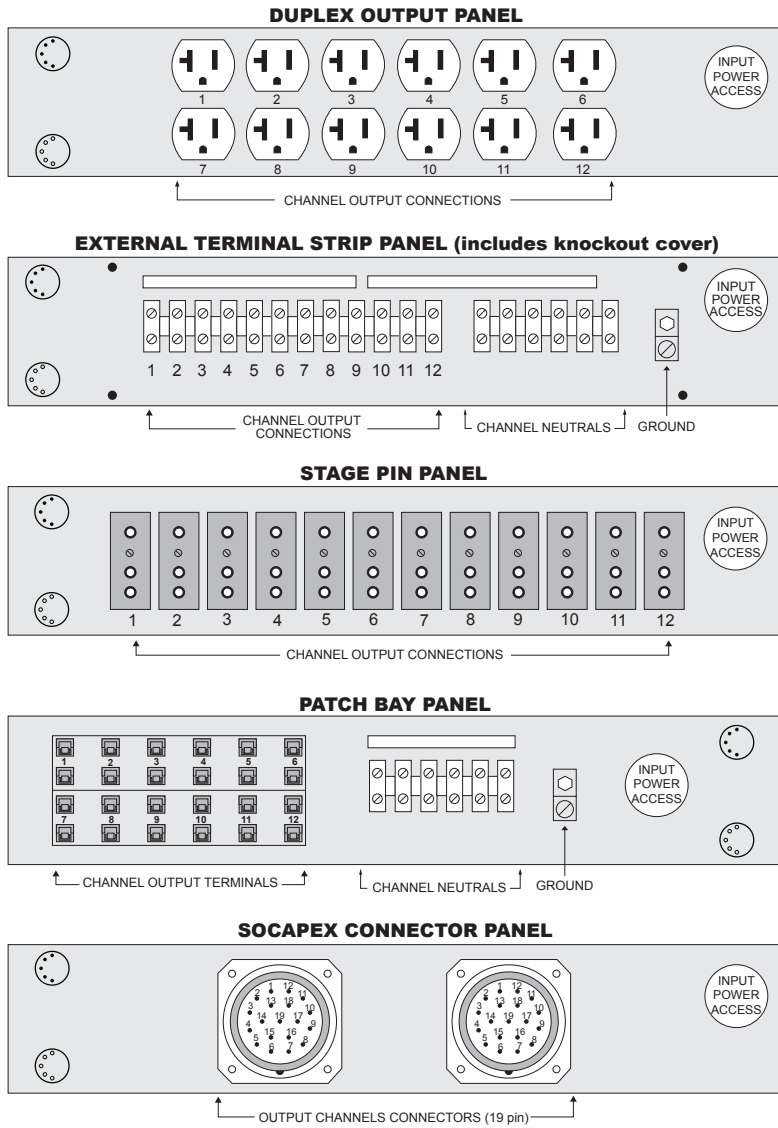
PL - Patchbay panel with 2 powerlock connections per channel *Non UL-508 Compliant

SPECIFICATIONS

Channels/Capacity:	12 @ 1200 Watts each
Power Input:	2 Hots of 120VAC Single/Three Phase 60 Amps per Hot Input Under Full Load
Power Connection:	Terminal Block
Overload Protection:	10 Amp Fast Acting Fuses or Optional Circuit Breakers
System Addressability:	512 DMX Channels
Cooling:	Internal Fan Cooled Heatsink
Filtering:	350 Microseconds Minimum Rise Time

Minimum Load:	15 Watts
Control Sources:	DMX-512
Temperature Rise:	34 Degrees F at Full Load
Response Time:	8.33 Milliseconds
Efficiency:	97%
Size:	19"W x 3.5"H x 13"D
Weight:	26 Pounds

Rack Mount Dimmer



Architect & Engineer's Specifications

The dimming system shall have 12 circuits with a load capacity of 1200 Watts per circuit. Each circuit is protected by a 10 Amp fuse or an optional 10 Amp fast acting magnetic circuit breaker. An allowance of 200% overhead capacity is employed in the circuit design. The dimming system shall have a rise time of not less than 350 microseconds. Programming setup and memory attributes is via front panel dip switches. A user may program the system setup, dimmer attributes of Dim or Relay. LED indicators display individual channel levels, signal presence, and input power status. The dimming system uses the USITT standard DMX-512 protocol for direct control of the dimming circuits.

Power requirements of the dimming system shall be 2 hots of 120VAC Single/Three phase service. Capacity shall be 60 Amps per leg. DMX-512 is connected through a standard 5 pin XLR connector. A variety of electrical output connections are available including Duplex (Edison), External Terminal Strip, Stage Pin, Patch Bay (Powerlock) and Socapex. Mounting of the dimming system shall be on standard 19" EIA rack mount.

Dimensions are 3.5"H x 19"W x 13"D and the weight shall be 26 lbs.

The dimming system shall be a Lightronics RE121D.

To view and/or download the Owner's Manual click here: www.lightronics.com/manuals/re121m.pdf