# Rack Mount Dimmer

- 12 Channels
- 2400W per Channel
- LMX-128 & DMX-512
- Fast Acting Magnetic Circuit Breakers
- Dim/Non-Dim Mode by Channel
- 8 Chases
- Softpatch
- 120/240V 120 Amp

**RD122**
Rack Mount Dimmer

The RD122 is a 28,800 Watt, 12 channel, rack mount lighting dimmer. It is suitable for church, stage, theater, school, night club, live performances and other event and artistic applications. Each of the channels has a capacity of 2400 Watts. It is controlled via low voltage signals which may be LMX-128 (3 wire multiplex), or USITT DMX- 512. The unit is fan cooled. Channels may be independently assigned from the unit. The unit is over temperature and over voltage protected and has a magnetic circuit breaker for each channel. The RD122 has several stand alone functions which enable it to operate without a control console. These functions include a storable scene which may be activated by an external switch closure, a programmable chaser, and 7 factory set chase patterns.

Control Output Connection Options: Duplex outlet panel with 1 connection per channel, External terminal strip (includes knockout cover), Patchbay panel with 2 powerlock connections per channel, Socapex connector panel (wiring per customer selection)

**SPECIFICATIONS**

| | |
|---|---|
| Channels/Capacity: | 12 @ 2400 Watts each |
| Power Input: | 2 HOTS of 120VAC Single/Three Phase 120 Amps per Hot Input Under Full Load |
| Overload Protection: | 20 Amp Fast Acting Circuit Breakers |
| System Addressability: | Softpatch any dimmer channel to any control channel |
| Cooling: | Variable speed fan with auto shutdown |
| Filtering: | 450 Microseconds Minimum Rise Time |
| Relay Mode: | Each individual channel may be set for relay mode |
| Minimum Load: | 15 Watts |

| | |
|---|---|
| Display: | Dimmer Levels, Scene/Chase/Control Signal Status and Setup Menus |
| Control Sources: | DMX-512, LMX-128 |
| Local Control: | Dimmers may be adjusted without a console |
| Internal Scene: | Level memory with 2 second fade rate, pile-on mode |
| Remote Switch: | Scene ON/OFF, Chase ON/OFF, or Not Used |
| Chase Patterns: | 7 Preset, 1 User Programmable |
| Chase Steps: | 32 Maximum |
| Step Rates: | 1/4 Second Increments, 1/4 Second to 16 1/2 Minutes |
| Size: | 19”W x 3.5”H x 17”D |
| Weight: | 43 Pounds |

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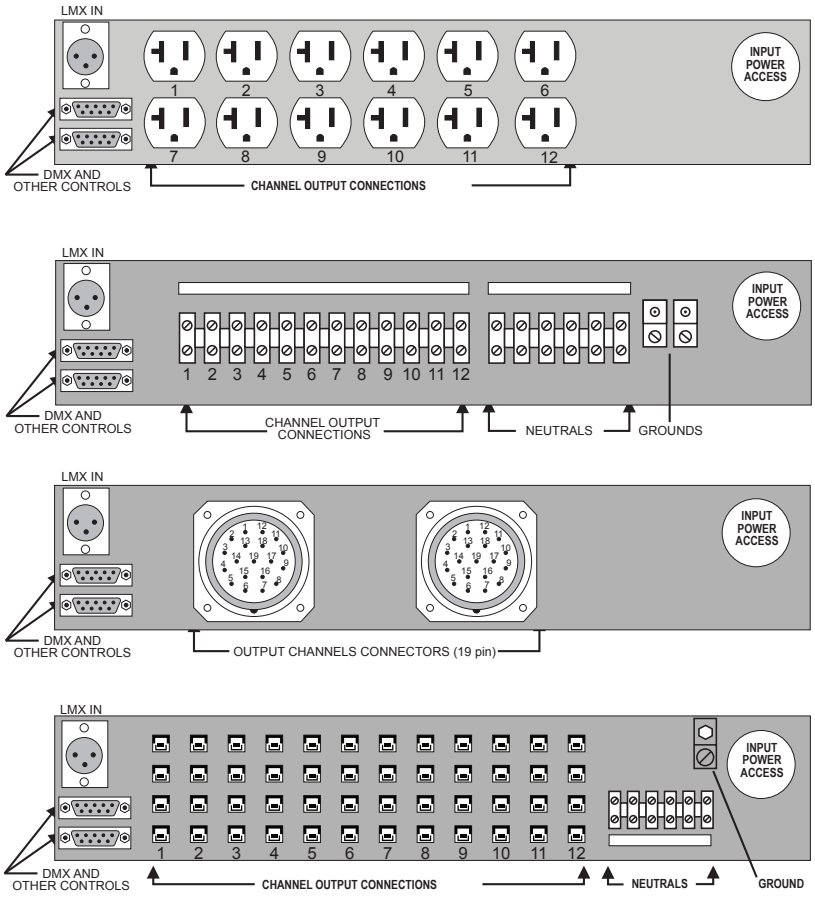


**Architect & Engineer's Specifications**

The dimming system shall have 12 circuits with a load capacity of 2400 Watts per circuit. Each circuit is protected by a 20 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 a front panel LCD display with keypad controls. A user may program the system setup, dimmer attributes of Dim or Relay, Softpatch, a single scene memory and a chase via the front panel display and keypad controls. There are seven preset chases and one user programmable chase, a maximum of 32 steps are available in the chase, chase steps are programmable in 1/4 Sec. increments, 1/4 sec to 16 1/2 Minutes in length. The single scene and chase on/off are recalled via contact closure. The dimming system uses the USITT standard DMX-512 protocol and LMX-128 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 120 Amps per leg. DMX-512 and contact closure are connected through a standard DB9 connector, a ribbon connector is used to pass data to subsequent RD series dimmers. A variety of electrical output connections are available including Edison, Socapex, conduit knockout, terminal connector, Stagepin, and Hot-Patch bay. Mounting of the dimming system shall be on standard 19" EIA rack mount.

Dimensions are 3.5"H x 19"W x 17"D and the weight shall be 43 lbs.

The dimming system shall be a Lightronics RD122.

To view and/or download the Owner's Manual click here: **www.lightronics.com/manuals/rd122m.pdf**

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