

Architectural Systems

- 12 Channels
- 2400 Watts per Channel
- Remote Network Control
- DMX-512 Control
- UL-508 Compliant
- Single or Three Phase Power

RA-122 Architectural Rack Mount Dimmer



CONTROL OUTPUT CONNECTIONS 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)

The RA-122 is a 12 channel X 2400 Watts per channel dimmer. It accepts DMX-512 signals and allows remote station control of preset scenes. The unit operates from either single or three phase power. The highly versatile RA-122 may utilize multiple remote stations to activate specific user programmed scenes pre-stored in the unit. Several remote types may be used. The RA-122 is UL-508 compliant and is listed by MET Laboratories.

SPECIFICATIONS

Channels/Capacity:	12 @ 2400 Watts each
Power Requirements:	120/208VAC Three Phase, 80 Amps each Leg OR 120/240VAC Single Phase, 120 Amps each Leg
Power Devices:	Dual 65 Amp SCRs
Power Connector:	Terminal Strip
Channel Output:	Edison, Terminal Strip, Patch Panel, Socapex
Circuit Breakers:	20 Amp Fast Acting
Minimum Load:	15 Watts
Curve:	Modified Square Law
Filter Rise Time:	450 Usec. Minimum
Output Function:	DIMMER or RELAY Selectable
Control Input:	DMX-512 USITT Standard with Softpatch
Front Panel Control:	8 char. x 2 Line LCD Display & Keypad
Remote Network:	RS-485, 62.5 Kbaud, Bidirectional 9 Bit Network
Local Presets:	64 Scenes Standard, Expandable to 255 Scenes
Closure Input:	8 Inputs for Single, Dual Button, or Combine Stations
Remote Stations:	Total of 32 Remote Station with Unique System Addresses
Slave Units:	Up to 31 addt'l. units may be added
Size:	19"W x 3.5"H x 16"D
Weight:	40 Pounds

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 rise time of not less than 450 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, scene memories, and unit addresses via the front panel display and keypad controls. The dimming system will have a minimum of 64 programmable scenes. Scenes are recalled via standard 8 contact closures, and up to 32 remote stations using a RS-485 protocol. The dimming system shall use USITT standard DMX-512 protocol for direct control of the dimming circuits.

Power requirements of the dimming system shall be 120/208 VAC Single or Three Phase mode. All connections for control and power are made through terminal connections. Mounting of the dimming system shall be on standard 19" EIA rack mount. All components and sub-systems of the dimming system shall be UL recognized and conform to the standards set forth. Dimensions are 3.5" high, 19" wide, 16" deep. The weight shall be 40 lbs. The dimming system is covered by a 5 year factory warranty.

The dimming system shall be a Lightronics RA-122.

5 YEAR WARRANTY

The 5 year warranty is valid if the Warranty Registration card is returned to Lightronics, Inc. within 30 DAYS of the purchase date.