

Dimming Systems

DB-612 Truss Mount Dimmer



- 6 Channels
- 1200 Watts per Channel
- Truss Ready
- DMX-512 Control Protocol
- Magnetic Circuit Breakers
- Available with Edison, Stagepin or Twistlock Connectors
- Available in Black or White



Stagepin Connectors



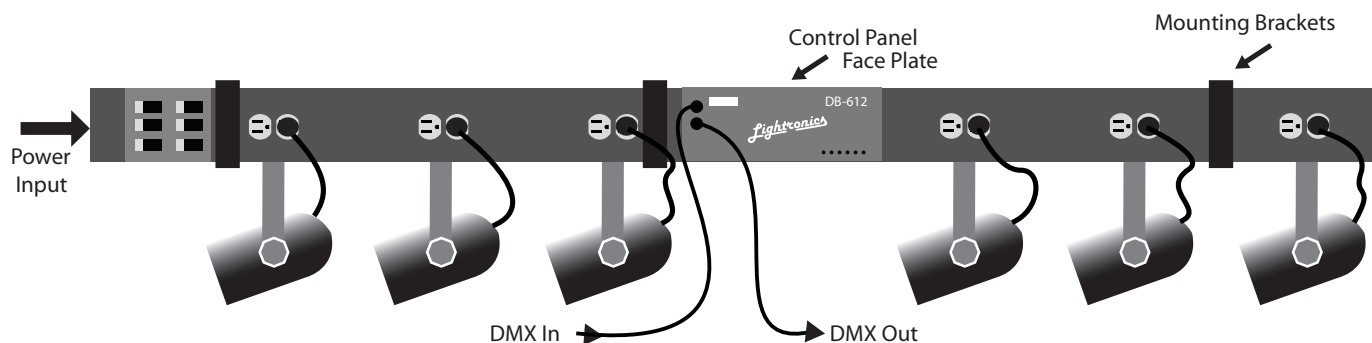
Twistlock Connectors

The DB-612 dimmer is ideally suited for all stage applications including schools, worship facilities, theaters, and auditoriums. This dimmer has the versatility to accommodate a wide range of facility configurations. High power triacs and extensive heat dissipation capability will ensure reliable operation.

Channel test buttons are conveniently accessible on the dimmer control panel. LED status indicators show control signal status and key dimmer operating information at all times.

The unit is supplied with three mounting brackets which allow a wide variety of installation options.

TYPICAL SYSTEM DIAGRAM



Specifications

Channels / Capacity:	6 @ 1200 Watts each
Semiconductors:	40 Amp 400V Triacs, 300% overhead
Power Requirements:	120/240VAC Single Phase, 30 Amps 120/208VAC Three Phase, 20 Amps
Control Protocol:	USITT DMX-512
Filtering:	450 Usec. Minimum
Overload Protection:	10 Amp, Fast Acting Magnetic Circuit Breaker for each Channel
Addressing:	Starting channel can be set to any of 512 channels
Local Control:	On board test buttons for each channel
Relay Mode:	Switchable by Individual Channel
Output Panel Options:	Edison Plugs 20 Amp Stagepin Panels 20 Amp Twistlock Panels
Size:	72"L x 5"W x 3"D
Weight:	26 Pounds

Architect & Engineer's Specifications

The dimming system shall have 6 circuits with a load capacity of 1200 Watts per circuit. Each circuit is protected by a 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 450 microseconds. Programming setup and memory attributes are via front panel LED indicators, rotary decade switches, and dipswitch controls. A user may program the system setup, dimmer attributes of Dim or Relay, circuit test, and unit address via the panel controls. The dimming system's circuit indicators shall be variable brightness in relation to the output of the dimmer. Circuit breaker status indicators are via illuminated LED. The test circuit controls shall latch on. The test circuit latch function can be defeated remotely using a DMX-512 signal raised to activate the HTP (Highest Takes Precedence) function of the dimming system. The dimming system shall use the USITT standard DMX-512 protocol for direct control of the dimming circuits.

Power requirements of the dimming system shall be 120/240VAC single phase or 120/208VAC three phase operation. Capacity shall be 30 Amps per leg single phase mode, 20 Amps per leg three phase mode. All connections for control are made via a 5 pin USITT approved connector. A selection of load output connectors is available: Twistlock, Edison, and Stagepin. Input electrical connections are made through terminal connectors. Access to connections shall be through "knock out" panel suitable for conduit on either end of the dimming system. The dimming system is to be mounted via standard lighting equipment pipe clamps. The attaching bolt for these clamps will fit into an inverted "T" slot located along the bottom of the dimmer. The slot will also accommodate a 1/2" bolt (3/4" across bolt head flats). The dimming system shall be supplied with three mounting adapters and their associated hardware; the adapters can be used for other defined mounting arrangements. All components and sub-systems of the dimming system shall be UL and CSA recognized and conform to the standards set forth. Dimensions are 72" long, 5" wide, 3" deep; the weight shall be 26 lbs. The dimming system is covered by a 5 year factory warranty.

The dimming system shall be a Lightronics DB-612.

CONTROL PANEL



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.

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