

DS

NSI CORPORATION
P.O. BOX 2210
TUALATIN, OREGON 97062
503.404.5500 • FAX 503.404.5600
www.nsicorp.com



MODULAR DIMMER SYSTEMS



DS8-12

8 - 120 Watt Dimmer / Relay Channels
9,600 Watts Maximum Power Capability
Single Phase Power Operation
2 pole 40 Amps
400 Microsecond Toroidal Filtering



DS12-12

12 - 120 Watt Dimmer / Relay Channels
14,400 Watts Maximum Power Capability
Single / Three Phase Power Operation
2 pole 60 Amps / 3 pole 40 Amps Input
400 Microsecond Toroidal Filtering



DS8-24

8 - 240 Watt Dimmer / Relay Channels
19,200 Watts Maximum Power Capability
Single Phase Power Operation
2 pole 80 Amps
400 Microsecond Toroidal Filtering



DS12-24

12 - 240 Watt Dimmer / Relay Channels
28,800 Watts Maximum Power Capability
Single / Three Phase Power Operation
2 pole 120 Amps / 3 pole 80 Amps Input
400 Microsecond Toroidal Filtering

Introducing NSI's **NEW DS Modular Dimmer Systems** featuring **high power capacities in an easy to service compact and modular design.**

NSI DS digital dimmer systems combine convenient mobility with a rugged design and high caliber performance for a variety of lighting application demands.

Our innovative modular design concept provides easy front panel access for

control and dimmer module replacement even while the systems are rack mounted. This friendly feature is especially important for touring groups and also permanently installed systems where complete pack removal is difficult or impossible.

The DS digital dimmer systems include a sixteen character liquid crystal display and front panel keypad for intuitive access to features like backup presets with time fades, soft patch of DMX and NSI Micro-Plex control signals, 0-10VDC analog input control, and module temperature data. LED's on the front panel also

provide status to a host of functions like

dimmer control level, active power sources, active DMX-512 and NSI Micro-Plex control signals, and temperature conditions.

A DMX-512 termination switch is also provided on the front panel. All of these

performance features combined with the highest power density on the market makes this dimmer an unbeatable value. UL, CUL, and Patents pending.



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FEATURES

- [16 Character] X [2 line] Backlit Liquid Crystal Display
- 20 Button Function Keypad
- Programmable Time Fade Presets
- Non-Volatile EEPROM Preset and Softpatch Storage
- DMX-512 Control to Dimmer Softpatch
- NSI Micro-Plex Control to Dimmer Softpatch
- NSI Luma-Net Architectural Control Signal
- 0-10VDC Analog Control Inputs
- Valid DMX Signal Indicator
- Valid NSI Micro-Plex Signal Indicator
- Line Power Indicator LED's
- Temperature Status LED
- Front Panel Accessible DMX-512 Termination Switch

- Optional DMX-512 Opto-isolated Input Available
- 120V Input Power
- 15V RMS Preheat Range
- Full On Test/Focus
- Over Voltage and Over Temperature Protection

DIMMING

- Individual Dimmer Load Indicators
- Individual Dimmer Lamp Test / Focus Buttons
- 10000 AIC Branch Rated Fully Magnetic Circuit Breakers
- 400 Microsecond Toroidal Filtering
- Rugged Back to Back SCR Dimmer Design
- Automatic Line Regulation / Compensation for Power Fluctuations
- 12 Channel / Single or Three Phase Power Operation
- 8 Channel / Single Phase Power Operation

- Available in Edison/ U-ground, Stage Pin or Hardwired Versions
- Available in 2.4KW and 1.2KW Versions

MECHANICAL

- Unique Modular Dimmer Design
- Unique Modular Control Electronics Design
- Modules are Front Panel Accessible and Pluggable for Easy Cleaning and Service.
- Highest Power Density on the Market, Requiring only 2 EIA 19" Rack Spaces
- Internal Variable Speed Cooling Fan
- Dimensions: (Inches) 3.5H x 17.0D x 17.2W 50 lbs.

