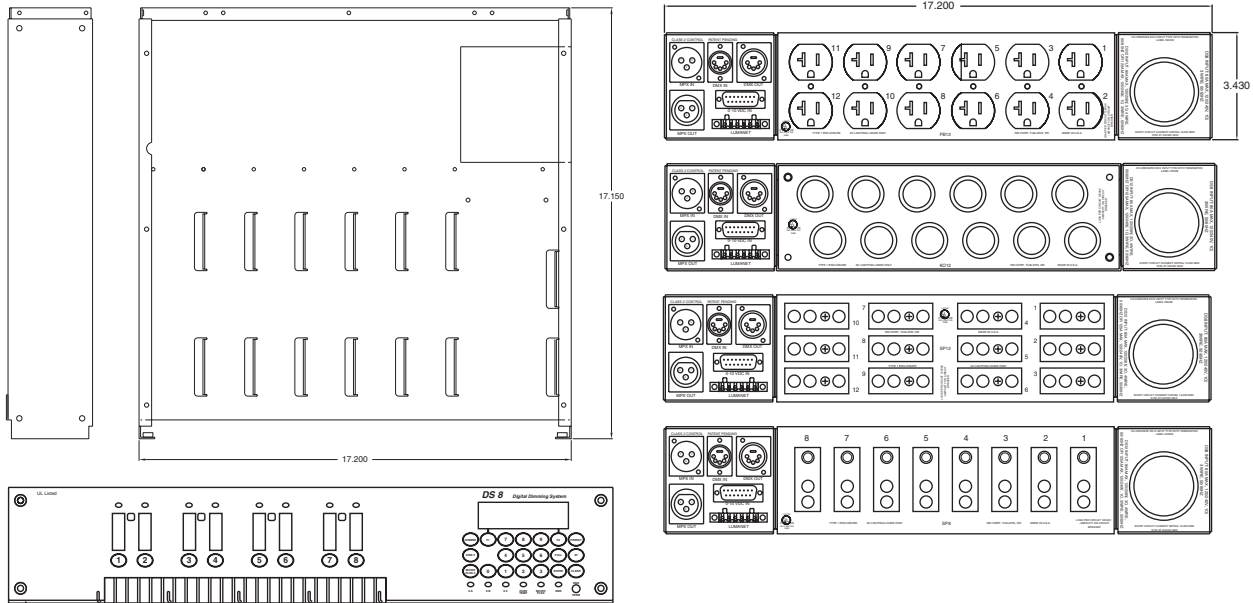**LEVITON**®

Modular Rack Dimmers

Leviton-NSI DS dimmer systems feature high power capacities in an easy to service compact and modular design.

The 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 fade time, soft patch of DMX and NSI Micro-Plex control signals, O-IOVDC analog input control, and dimmer module temperature monitoring. LED's on the front panel also provide status to a host of functions like dimmer control level, active power sources, active DMX512 and NSI Micro-Plex control signals, and over temperature warning. A DMX512 termination switch is also provided on the front panel. All of these performance features combined with the highest power density on the market make this dimmer an unbeatable value. Patents pending.

Modular Rack Dimmers

DIMENSIONAL DATA - IN. [CM] LBS. [KG]				
	DS8-12	**DS8-24**	**DS12-12**	**DS12-24**
Width (chassis)	17.2 [43.69]	17.2 [43.69]	17.2 [43.69]	17.2 [43.69]
Total Width	19.0 [48.3]	19.0 [48.3]	19.0 [48.3]	19.0 [48.3]
Depth*	17.15 [43.56]	17.15 [43.56]	17.15 [43.56]	17.15 [43.56]
Height	3.5 [8.89]	3.5 [8.89]	3.5 [8.89]	3.5 [8.89]
19" Rack Spaces	2	2	2	2
Shipping Weight**	40 [18.1]	40 [18.1]	48 [21.8]	48 [21.8]

*K/O Version is 20" [50.8] deep   **Add 2 lbs. for Stage Pin models

PRODUCT DATA

Modular Rack Dimmers

FEATURES
- 20 button function keypad
- Liquid crystal display (backlit 16 character x 2 line)
- 400 programmable time fade presets
- Non-volatile EEPROM preset and softpatch storage
- Valid DMX signal indicator
- Valid NSI Micro-Plex signal indicator
- Line power indicator LED's
- Individual dimmer load LED indicators
- Temperature status LED
- Front panel accessible DMX512 termination switch
- 120V input power
- 15V RMS preheat range
- Adjustable level test switches can be set to bump or latch action
- Over voltage and over temperature protection

DIMMING
- Individual dimmer test/lamp focus buttons
- 10,000 AIC branch rated fully magnetic circuit breakers
- Rugged dual SCR dimmer design
- Automatic line regulation/compensation for power fluctuations
- 8 channel/single phase power operation
- 12 channel/single or three phase power operation
- Available in Edison/U-ground, stage pin or hardwired versions
- 1 output per dimmer
- Available in 1.2kW and 2.4kW versions
- Programmable maximum and minimum levels for each dimmer
- Pre-programmed dimming curve for Advance Mark X™ fluorescent dimming ballast
- LCD dimmer feedback including current temperature, control level and type of control signal

MECHANICAL
- Unique modular dimmer design
- Unique modular control electronics design
- Modules are front panel accessible and plug-able for easy cleaning and service

- Highest power density on the market, requiring only 2 EIA 19" rack spaces
- Internal variable speed cooling fan
- Recommended minimum of one rack space between packs to maintain adequate cooling

CONTROL
- DMX512 in/out (5 pin XLR male and female)
- NSI Micro-Plex in/out (3 pin XLR male and female)
- NSI Luma-Net® architectural (plug-able 6 screw terminal block type)
- 0-10VDC analog control Inputs (15 pin D-Sub, male)

DS8-12
- 8-1200 watt dimmer/relay channels
- 9,600 watts maximum power capability
- 2 pole 40 amp power feed
- 400 microsecond toroidal filtering

DS8-24
- 8-2400 watt dimmer/relay channels
- 19,200 watts maximum power capability
- 2 pole 80 amp power feed
- 400 microsecond toroidal filtering

DS12-12
- 12-1200 watt dimmer/relay channels
- 14,400 watts maximum power capability
- 2 pole 60 amp/3 pole 40 amp power feed
- 400 microsecond toroidal filtering

DS12-24
- 12-2400 watt dimmer/relay channels
- 28,800 watts maximum power capability
- Single/three phase power operation
- 2 pole 120 amp/3 pole 80 amp power feed
- 400 microsecond toroidal filtering

CAT. NO.	DESCRIPTION
NDS08-1E0	DS 8-12, 8x1.2kW Dimmer Pack, Edison 5-20R Outputs.
NDS08-1K0	DS 8-12, 8x1.2kW Dimmer Pack, Knockout Panel.
NDS08-1S0	DS 8-12, 8x1.2kW Dimmer Pack, Stage Pin Panel.
NDS08-2E0	DS 8-24, 8x2.4kW Dimmer Pack, Edison 5-20R Outputs.
NDS08-2K0	DS 8-24, 8x2.4kW Dimmer Pack, Knockout Panel.
NDS08-2S0	DS 8-24, 8x2.4kW Dimmer Pack, Stage Pin Panel.
NDS12-1E0	DS 12-12E - 12 Channel 1200 Watt/Channel Modular Rack Mount Dimmer/Relay System, DMX512, Micro-Plex, LUMA-NET, and 0-10V standard. LCD Display, Soft Patch, Memory Scenes, and 22 Button Keypad. Edison Output Panel, UL/C-UL Listed
NDS12-1K0	DS 12-12, 12x1.2kW Dimmer Pack, Knockout Panel.
NDS12-1S0	DS 12-12, 12x1.2kW Dimmer Pack, Stage Pin Panel.
NDS12-2E0	DS 12-24E - 12 Channel 2400 Watt/Channel Modular Rack Mount Dimmer/Relay System, DMX512, Micro-Plex, LUMA-NET, 0-10V standard. LCD Display, Soft Patch, Memory Scenes, and 22 Button Keypad. Edison Output Panel, UL/C-UL Listed
NDS12-2K0	DS 12-24, 12x2.4kW Dimmer Pack, Knockout Panel.
NDS12-2S0	DS 12-24, 12x2.4kW Dimmer Pack, Stage Pin Panel.

ACCESSORIES

ADSAC-0CM	DS Dimmer Control Module
ADSAC-1DM	1200 Watt/Channel Dual DS Dimmer Module
ADSAC-2CM	2400 Watt/Channel Dual DS Dimmer Module

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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