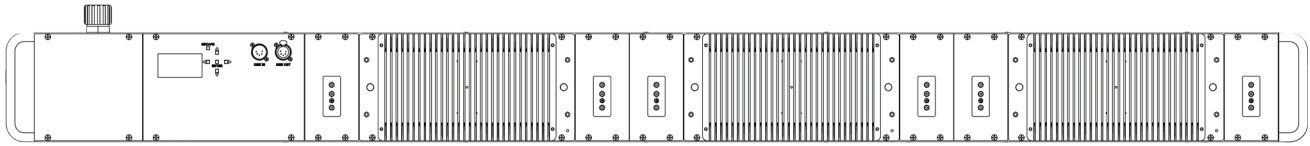


Intelligent Power System

IPS-DS-2400



IPS Dimmer Strips are lightweight, compact, enclosures containing six 2400W Intelligent Power System IGBT dimmers (in three modules).

IGBT dimmers use an Insulated Gate Bipolar Transistor power device working in conjunction with a dedicated micro-processor to control almost any type of lighting load while automatically suppressing surges and protecting against short circuits. The intelligent micro-processor also adjusts and maintains proper voltage and current in response to changes detected in the load and electrical service, which serves to extend lamp life.

Since IGBT dimmers do not use filter chokes, the system is virtually silent, eliminating vibrations, buzzing, and other mechanical noises associated with Silicon Controlled Rectifier (SCR) dimmers. Overall, IGBT dimmers provide better efficiency (max 2.5 voltage drop at full), less weight, and produce less heat than conventional dimmers. Additionally, IGBT dimmers reduce natural harmonics and can be configured to operate on Low Harm mode, making them one of the lowest harmonic generating dimmers available.

Applications

- Educational Theatre
- Auditorium / Cafeteria
- Black Box Theatre
- Rehearsal Spaces
- Regional Theatre
- Houses of Worship
- TV Studios
- Hotels / Casinos

Ordering Information

- IPS-DS-2400-() 3 x 2.4 KW, 120 Volt Dimmer Strip (PC = Pin Connector, TL = Grounded Twistlock, SB = Straight Blade)*
- IPS-MB-SP Single Pip Hanger
- IPS-MB-DP Double Pipe Hanger
- IPS-MB-WM Wall Mount Hanger
- IPS-MB-CC "C" Style Mounting Clamp
- IPS-MB-CB Cheeseboro Mounting Clamp
- IPS-CO-() Cord Kit with NEMA L21-20P connector (length in inches-48 or 72)
- IPS-DX-() DMX512 control cable (length in feet)

Features

- Digital dimmer strip with automatic or user selectable forward and reverse phase dimming
- Simple set up with back lit LCD display and easy button access, LCD blacks out when not in use
- Six dimmers packages in three dual modes
- LED mode for drivers that require reverse phase operation
- DMX512 I/O
- Natural convection quiet operation, no cooling fans
- Efficient energy usage – only 2.5 volt insertion loss
- Solid-state dimming technology
- Adjustable transition (rise) time up to 1000 μ s for quiet operation (automatic adjustable)
- Low Harm mode to reduce neutral harmonics
- Automatic overload and short circuit protection
- Choice of three power input locations – top, bottom, and back
- Choice of three load connector options
- Local focus buttons and LED status indicators
- Compact size for easy installation
- Hangers available for wall and pip mount applications
- ETL listed

Job Information Device Type #: _____

Job Name: _____

Cat. No.: _____

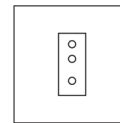
Notes:

Intelligent Power System - IPS-DS-2400

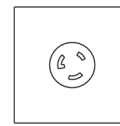
Specifications

Number of dimmers:	3 dual dimmer modules
Output voltage:	100 / 110 / 115 / 120 VAC: (user selectable)
Minimum load:	1 watt
Maximum load per dimmer:	2.4kW per dimmer module
Dimming phase:	Forward or reverse user selectable or automatic:
Transition (rise) time:	Up to 1000 μ s (automatic adjustable):
Insert loss:	Max 2.5 volts
Power feed:	3-phase 4 wire (w/ground) 120 / 208 volts 20 amp Terminal block or optional input power cables available
Frequency	50 / 60 Hz
Ambient temperature	0 to 40 degrees C
Humidity	5% - 95% non-condensing
Cooling	Natural convection
Height	6.0 in (152.4 mm)
Depth	4.0 in (101.6 mm)
Length	72.0 in (1,828.8 mm)

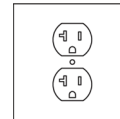
Connector types



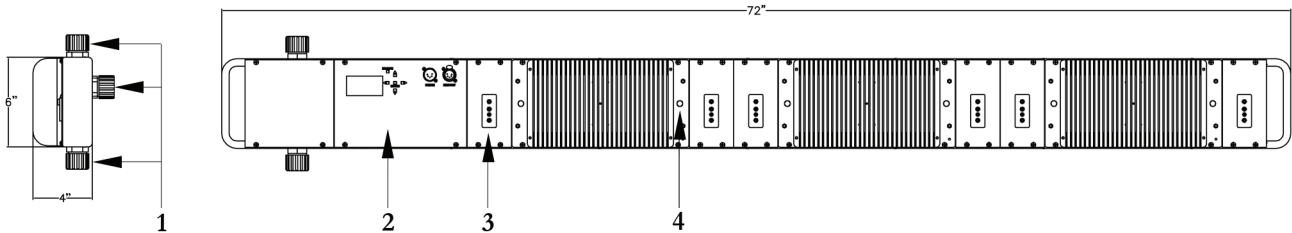
(PC) grounded stage
pin



(TL) grounded twist-
lock NEMA L5-20A



(SB) straight blade
NEMA 5-20R (T-slot)



1. Power input locations (strain relief included in optional power cord)
2. Head end processor (with backlit display)
3. Load connector (see connector type illustration)
4. Focus button and status LEDs



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