

96 Channels Dimmer Rack

LT-96D Series Dimmer Rack

LT-96D series Dimmer Rack , with full digital plug-in dimmer modules and backup processors, is the prime consideration for theater ,TV station and studio.



Main Features

- Plug-in Modular Dimmer System
- LCD touch screen
- 96 channel
- Dimmer status reporting function, provided with a wide range of dimmer information
- All dimmer status and rack configuration is available via The Dimmer Manager connected to the lighting network
- Fade smoothing (1024-step resolution)
- Dual processor systems
- MCB overload and SCR protection against short-circuit
- Intelligent control of fans and over-heat warning
- 10-level filaments preheating
- 10 Dimmer laws
- Each channel can be set as dimming or switching
- Stores up to 10 Presets in memory
- Dual DMX-512 input with opto-isolated protection, and ART-NET Ethernet input
- 3-phase indicator and communication status LEDs

Technique Parameters

- Power supply: 3NPE 400V 50Hz TN-S system
- Power supply voltage range: 230V±10%
- Power rating: 3kW/5kW per channel
- Input current: Max. 600A
- MCB breaking capacity: 6kA
- Signal protocol: DMX512/1990, ART-NET
- Safety standard: EN60439-1, EN60950-1
- Ingress protection: IP2X
- CE marked

Mechanical Data

- Dimensions (mm): 473(width) × 2030(height) × 667 (depth)

Operation Environment

- Temperature: 0~35
- Humidity Range: 0~90% non condensing

Ordering Information

Cat NO	Description
102001	96D reporting dimmer rack
102002	96D standard dimmer rack

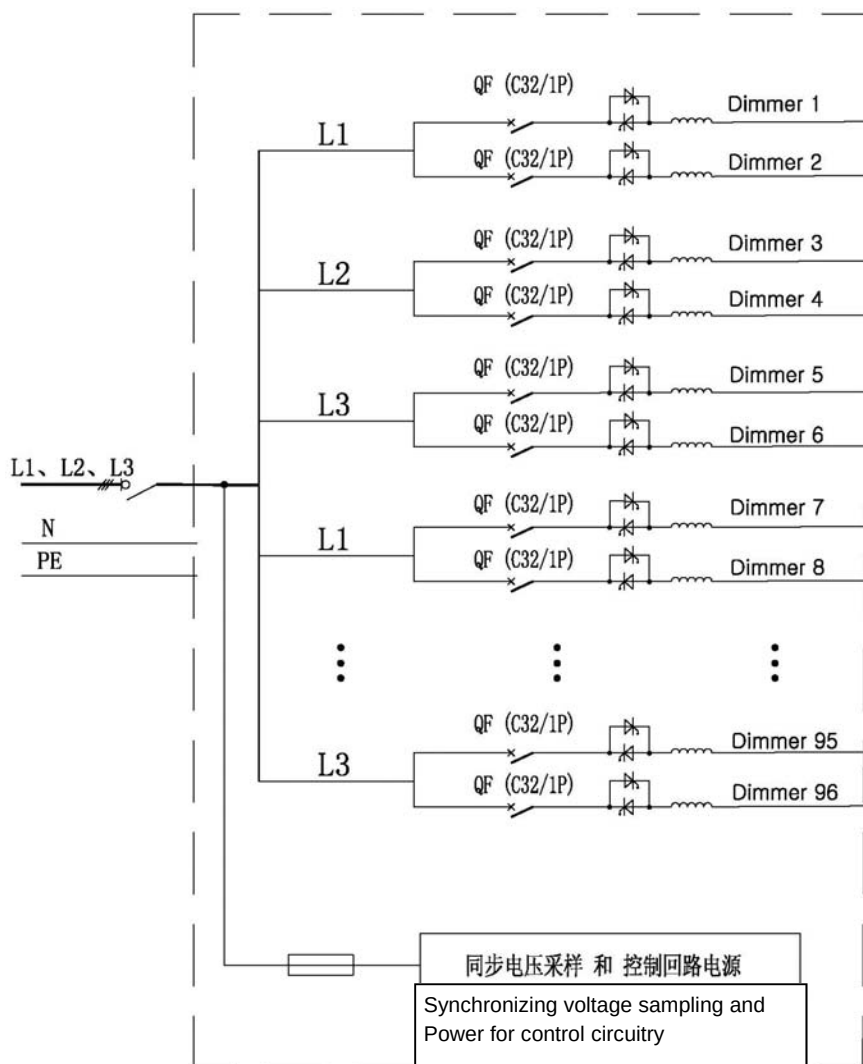
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Optional types of LT-96D Series

Type	Specification	Processor	Overload Protection	Short-circuit Protection	Control Protocol	Dimensions (mm)
LT-96DE (Network)	96CHs , 48 modules 3KW / 6KW per channel	Dual	✓	✓	DMX512 Art-Net	W473×H2140×D667
LT-96DN	96CHs , 48 modules 3KW / 6KW per channel	Dual	✓	✓	DMX512	
LT-96DA	96CHs , 48 modules 3KW / 6KW per channel	Single	✓	×	DMX512	

Power distribution system diagram



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96 Channels Dimmer Rack

Plug-in Modules for 96S series and 96D series

Dimmer & Relay Modules (with *Magnetic Latching Relay*)



Main Features

- Dimmer & Relay module in 3kW or 5kW, optional
- Rising time: 3kW 200μs
5kW 300μs
- Output status (dimming or switching) remote controlled via network
- The relay can be manually operated via an operating element
- The relay is particularly suitable for switching loads with high peak inrush currents

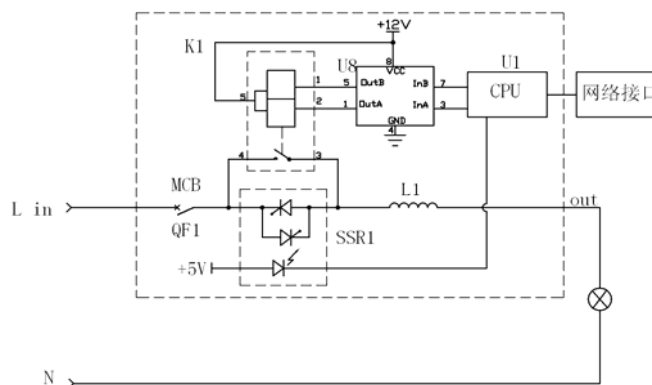
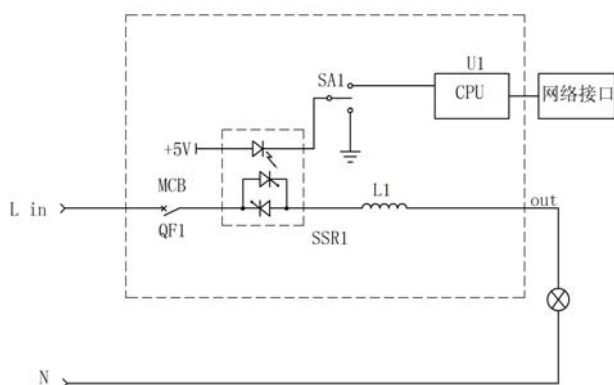
Mechanical Data

- Module weight: 4.5kg

Ordering Information

Cat NO	Description
112003	3kW 200 μ s, dimmer & relay module
112004	5kW 300 μ s, dimmer & relay module

Circuit Diagram



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96 Channels Dimmer Rack

Plug-in Modules for 96S series and 96D series

Standard Dimmer Modules



Main Features

- Standard dimmer module in 3kW or 5kW, optional
- Rising time: 3kW 200 μ s
5kW 300 μ s
- Level indicator and output status indicator per channel
- Over-heat warning indicator
- Emergency direct switch for each channel

Mechanical Data

- Module weight: 4.5kg

Ordering Information

Cat NO	Description
112001	3kW 200 μ s, standard dimmer module
112002	5kW 300 μ s, standard dimmer module

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