

LT-60D Series Dimmer Rack

LT-60D 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
- 60 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. 400A
- 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): 414(W) × 1940(H) × 620 (D)

Operation Environment

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

Ordering Information

Cat NO	Description
101001	60D reporting dimmer rack
101002	60D standard dimmer rack
111001	60D 3kW 200μs, standard dimmer module
111002	60D 5kW 300μs, standard dimmer module
111003	60D 3kW 200μs, dimmer & relay module

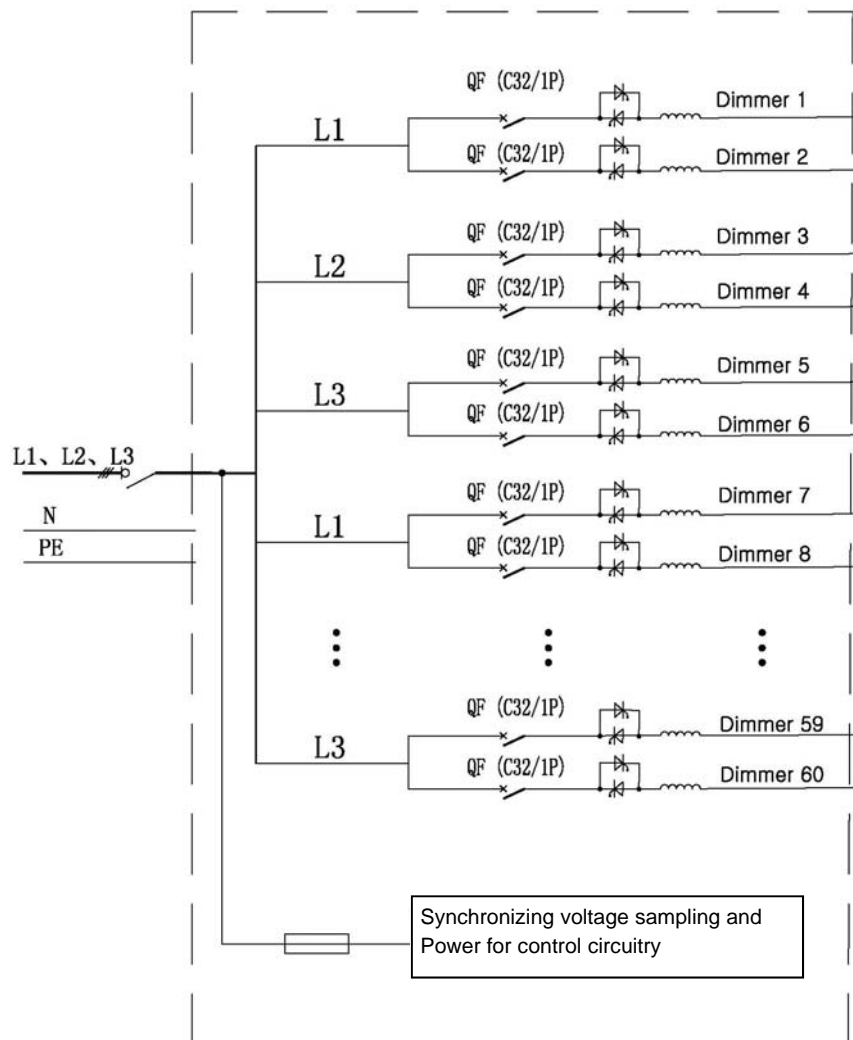
60 Channels Dimmer Rack

LT-60D Series Dimmer Rack

Optional types of LT-60D Series

Type	Specification	Processor	Overload Protection	Short-circuit Protection	Control Protocol	Dimensions (mm)
LT-60DE (Network)	60CHs , 30 modules 3KW / 6KW per channel	Dual	✓	✓	DMX512 Art-Net	W414×H1940×D620
LT-60DN	60CHs , 30 modules 3KW / 6KW per channel	Dual	✓	✓	DMX512	
LT-60DA	60CHs , 30 modules 3KW / 6KW per channel	Single	✓	×	DMX512	

Power distribution system diagram



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60 Channels Dimmer Rack

Plug-in Modules for 60D series

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



Main Features

- Dimmer & Relay module in 3kW or 5kW, optional
- Rising time: 3kW 200 μ s
5kW 300 μ s
- 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

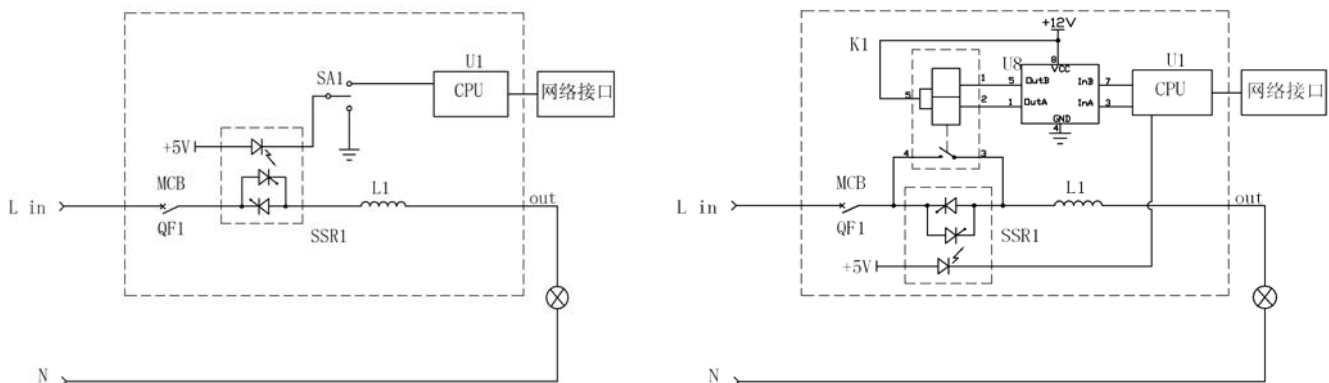
Mechanical Data

- Module weight: 4.5kg

Ordering Information

Cat NO	Description
111003	3kW 200 μ s, dimmer & relay module
111004	5kW 300 μ s, dimmer & relay module

Circuit Diagram



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60 Channels Dimmer Rack

Plug-in Modules for 60D 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

Mechanical Data

- Module weight: 4.5kg

Ordering Information

Cat NO	Description
111001	3kW 200 μ s, standard dimmer module
111002	5kW 300 μ s, standard dimmer module

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