

DPCL multi-function digital controller

LS-DPCL series · Light controllers · 2 models



DPCL digital multi-function controller for standard 24V light. High-frequency PWM output, 1024-level brightness adjustment, storage for 16 sets of brightness data, multiple trigger modes (CM, SM, FM), external high-speed strobe triggering, with serial port.

Features

- Large Screen Display Design, easy operation.
- 1024 Level Brightness Adjustment.
- 16 sets of brightness data, manually/communication control.
- Built-in Soft Trigger, light on/off through external communication.
- Multiple triggering modes, including CM (Cyclic Mode), SM (Synchronous Mode), and FM (Cyclic Mode 2).
- High-speed optocoupler extends light life via strobing.
- With serial ports (RS232/RS485/RJ45 Optional), can be remotely operated
- DIN rail or bottom mount options.

Applications

- Used for 24v light.

Common specifications

Input voltage	AC 100-240V
Output voltage	24V
Single channel output power	48W
Adjustment method	PWM control 0-1023 level
PWM frequency	Selectable high and low operating frequencies
Trigger output voltage	DC5-24V
Trigger delay	8us
Overload protection	110% (Restore after power-off and restart)
Communication interface	RS232/EIA485
ID setting	TD: 0-99 (When using EIA-485, one PC can control multiple controllers, up to 100.
Light on/ light off	Configurable by trigger timing or RS232/EIA-485

Number of channels	4 channel
Operating environment	Temperature: 0-40°C, Humidity: 20-85%
Trigger modes	CM (Cyclic Mode), SM (Synchronous Mode), FM (Cyclic Mode 2)

Ordering code: DPCL + output total power + output voltage + channel + interface (232 is RS232, 485 is EIA485, RJ45 is Lan); coding table example: DPCL | 60 | 24 | 4 | 232

Models

Model	Total output power
LS-DPCL-6024-4	60W
LS-DPCL2-10024-4	80W

More values per model (Control) are on each product page.

Performance

