

Third generation four channel mini digital controller (DPM3)

LS-DPM3 series · Light controllers · 1 model



Third generation 4-channel mini digital PWM controller: small volume, automatic power adaptation, two trigger modes, adjustable stroboscopic pulse width, short circuit and overcurrent protection, brightness levels 0-999.

Features

- Small volume
- Exquisite appearance
- Automatic power adaptation
- Two trigger modes
- Stroboscopic pulse width is adjustable
- Short circuit and overcurrent protection
- Brightness levels 0-999 are adjustable

Applications

- Powering machine vision LED light sources, brightness control and strobe (trigger) control

Common specifications

Control mode	PWM driven type (choosable)
Input voltage	DC24V
Channel	4 Channel
Manual adjustment	yes (adjust by key)
Remote adjustment	yes (through the upper computer software)
Luminance level memory	yes (memory automatically remembered 3 seconds after adjustment)
RS232 communication baud rate	9600
Adjustable brightness level	0-999 level
Max. power output/channel	72W
Total output power of the controller	72W
External trigger mode	High level trigger (effective trigger voltage range 5-24V DC)

External trigger delay time	H, ON→OFF <10us
External trigger frequency	<1/T (e.g. T=1ms gives at most 1KHz)
Short-circuit protection	yes: when the circuit is short, the corresponding channel output is automatically closed
Overcurrent protection	yes: beyond 72W all channels are automatically closed and Err1 is displayed; restart and restore after the exception condition is removed
Work environment	Temperature: -10~50 °C, Humidity: 20~80%
Storage environment	Temperature: -20~70 °C, Humidity: 10~90%
Stand-by power consumption	<3W
Boundary dimension (mm)	81*60*100mm (LxWxH)

Ordering code: LS-<A analog / D digital><P PWM / C current / V voltage driven><M mini / S standard><2.0 = 2nd generation>-<channels>C<max W per channel>W-<output V><PS passive / AS active / S switch-level trigger>

Models

Model	Power/CH	Output voltage	External trigger	Total power	Channels
LS-DPM3-4C072W72W-24PS	72W	24V	yes	72W	4

Dimensions

