

DPC digital power supply controller

LS-DPC-S series · Light controllers · 14 models

DPC series digital controllers provide brightness-control power for 24 V LED lights, controlled from the front panel or by serial communication (remote control) with 256 brightness steps (0-255); they can stay lit for long periods and have a built-in external trigger for easy on/off switching.



Features

- Multi-channel constant-voltage output controlled from the front panel or the serial port
- 256-step digital dimming; load light brightness can be precisely controlled by software
- RS232 serial communication control
- Power-off memory: current settings are kept and restored automatically after restart
- Built-in overload auto-protection
- High-speed optocoupler-isolated trigger

Common specifications

Input voltage	AC100-240V 50/60Hz
Control	Front-panel keys + RS232 serial port
Dimming	0-255 (256 steps)

Trigger wiring	Trigger terminals can be wired common-positive or common-negative; COM is the common input; the numbers are the channel inputs (1 = channel 1, 2 = channel 2, ...); NC is unused; +24V and GND are a DC 24 V output.
Front panel	Channel display, brightness display (0-255), CH select key, brightness + / - keys, trigger terminal, RS232 port, power input, power switch

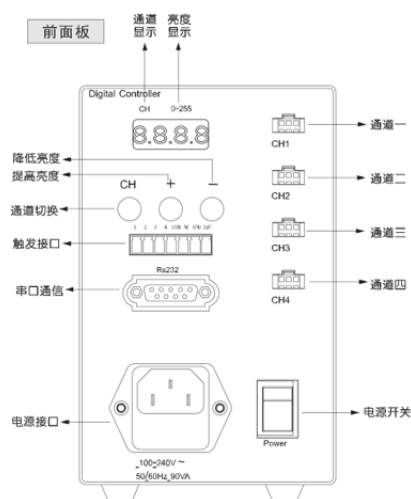
Models

Model	Channel / output	Output voltage	Single channel current	Total output current	Channels
LS-HDPC2465D-2T	C2 O2 (2 channels, 2 outputs)	16~24V	2A	2.7A	2
LS-HDPC2465D-4T	C4 O4 (4 channels, 4 outputs)	16~24V	2A	2.7A	4
LS-HDPC2465D-6T	C6 O6 (6 channels, 6 outputs)	16~24V	2A	2.7A	6
LS-HDPC2465D-8T	C8 O8 (8 channels, 8 outputs)	16~24V	2A	2.7A	8
LS-HDPC24125D-2T	C2 O2 (2 channels, 2 outputs)	16~24V	3A	5.2A	2
LS-HDPC24125D-4T	C4 O4 (4 channels, 4 outputs)	16~24V	3A	5.2A	4
LS-HDPC24125D-6T	C6 O6 (6 channels, 6 outputs)	16~24V	3A	5.2A	6
LS-HDPC24125D-8T	C8 O8 (8 channels, 8 outputs)	16~24V	3A	5.2A	8
LS-HDPC24200D-4T	C4 O4 (4 channels, 4 outputs)	16~24V	3A	8.3A	4
LS-HDPC24200D-6T	C6 O6 (6 channels, 6 outputs)	16~24V	3A	8.3A	6
LS-HDPC24200D-8T	C8 O8 (8 channels, 8 outputs)	16~24V	3A	8.3A	8
LS-HDPC48150D-2T	C2 O2 (2 channels, 2 outputs)	22~48V	3A	3.3A	2
LS-HDPC24400D-2T	C2 O2 (2 channels, 2 outputs)	0~24V	10A	16.5A	2
LS-HDPC24500D-2T	C2 O2 (2 channels, 2 outputs)	0~24V	10A	21A	2

More values per model (Control (perform), Trigger input) are on each product page.

Dimensions

面板说明



■ 面板说明适用型号：
LS-HDPC2465D-2T/4T/6T/8T
LS-HDPC24125D-2T/4T/6T/8T
LS-HDPC24200D-2T/4T/6T/8T

特别说明：
不同通道的前面板除输出通道和触发接口不一样，其他完全一样，不同触发端口定义详见触发接口说明

触发接口

- 触发端子可以灵活选择共正或者共负接法。
- COM表示公共端的输入端。
- 数字表示各个通道的输入端，如1表示一通道，2表示二通道等。
- NC表示空脚，+24V和GND为DC 24V输出。

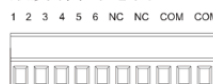
□ 1.LS-HDPC24XXXD-2T
触发端子示意图



□ 1.LS-HDPC24XXXD-4T
触发端子示意图



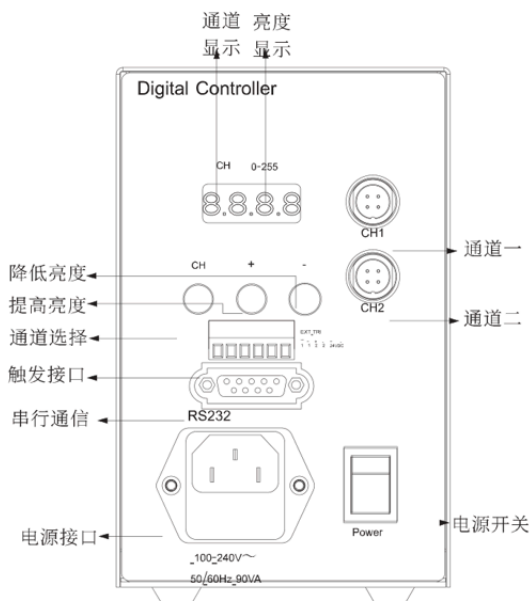
□ 1.LS-HDPC24XXXD-6T
触发端子示意图



□ 1.LS-HDPC24XXXD-8T
触发端子示意图



面板说明



■ LS-HDPC48150D-2T

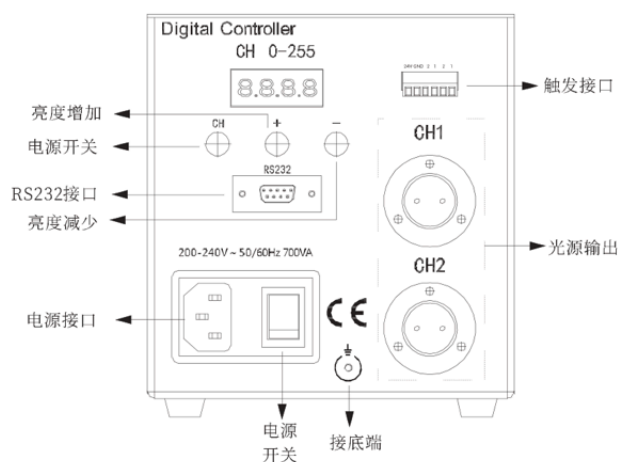
触发接口

- 触发端子可以灵活选择共正或者共负接法。
- 数字表示各个通道的输入端，如1+表示一通道触发正极，2-表示二通道触发负极等。
- 24VDC为DC 24V输出。



EXT TRI
+ - + - + -
1 1 2 2 24V DC

面板说明



面板说明适用型号:
HHDP24400P-2T
HHDP24500P-2T

触发接口

·触发端子可以灵活选择共正或者共负接法。

·数字表示各个通道的输入端，如1表示一通道，2表示二通道等。

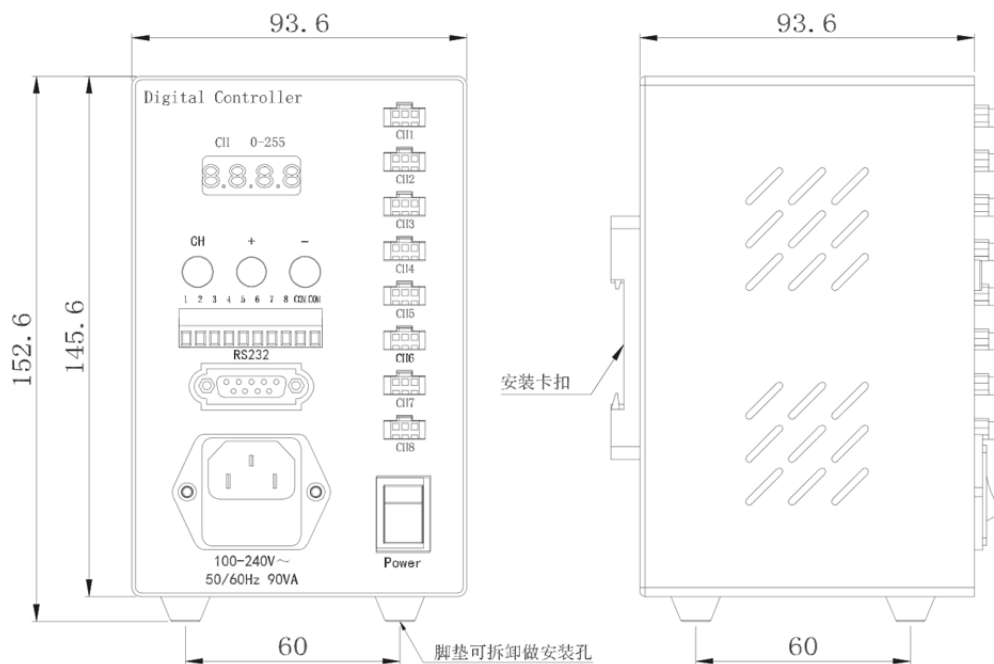
·24V和GND为DC 24V输出。

24V GND 2 1 2 1



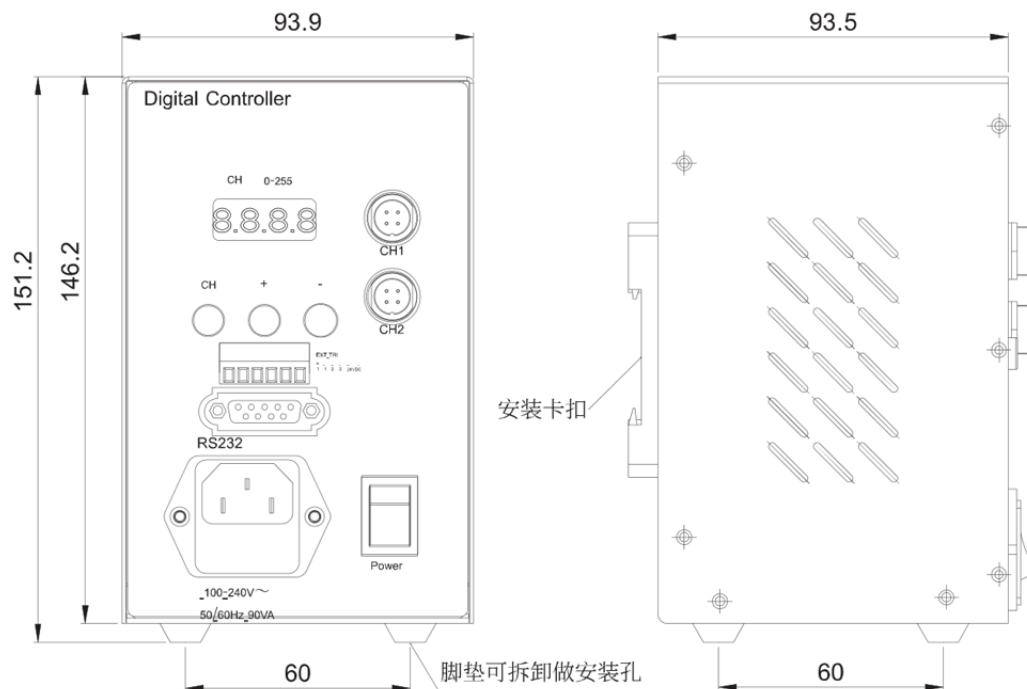
安装尺寸图

□□□□LS-HDPC2465D-2T/4T/6T/8THDPC24125D-2T/4T/6T/8T
LS-HDPC24200D-2T/4T/6T/8T□□□□□□□□□□□□□□□□



安装尺寸图

LS-HDPC48150D-2T



安装尺寸图

□□□□HLS-HDPC24400D-2THHDPC24500-2T
不同通道的控制器外壳尺寸完全一样

