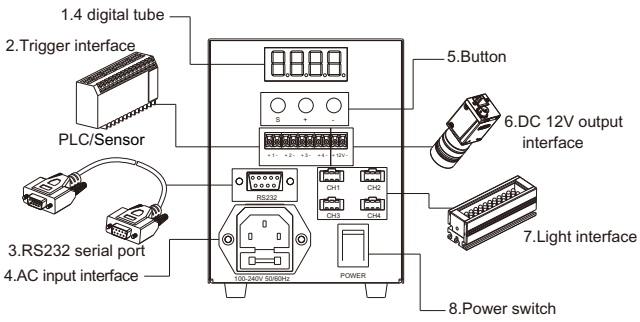
Digital Controller High cost-effective

PD Series

- Easy to operate, each channel can be controlled independently with high precision.
- Digital display, button control, easy to understand.
- Can communicate with PC by RS232.
- With trigger, faster respond speed, high reliability.
- Power off saving function.

Control panel specification <LTS-PD2460-4>

No.	Parameter	Specification
1	4 digital tube	First from left display the channel, other 3 digital tube display the luminance level
2	Trigger interface	Connect external trigger signal to do the frequency strobe working, high level trigger
3	RS232 serial port	Connect the controller and PC by RS232 serial port
4	AC input interface	Input AC100-240V 50/60 Hz
5	Button	S is channel selection button, +/- is for the each channel luminance controlling, and on/off output button
6	DC 12V output interface	Output 12V 500mA voltage, can power supply to camera or other device. This interface strictly prohibit reverse connected
7	Light interface	Four way output, can be controlled independently
8	Power switch	On/ off controller power



Connection step:

Step 1: connected the light and controller (Reference to the picture on the right).

Step 2: if need the external trigger control, please connect the external trigger signal with the controller trigger interface.

Step 3: connect power (AC100-240V 50/60 Hz), press the red switch "-", indicator light up, "o" uplifted, power on.

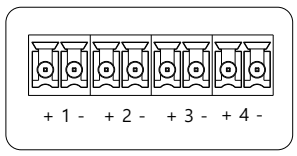
Step 4: If need to control the luminance by PC, please connect the PC with controller by RS232 data line in the power off status, then control by our demo program or the program you write yourself. Can set-up the each channel parameter manual when operated by serial port mode. That's to say, the upper computer and controller all can set-up the parameter, no need mode swapping.

Mode setup

Working mode	Control method
Normal on lighting mode	Control by S button, when first of digital tube display 1/2/3/4, luminance of output interface connected light can be adjusted.
H 1 mode	Control by S button, when first of digital tube display H, third of digital tube display 1, output interface open.
H 0 mode	Control by S button, when first of digital tube display H, third of digital tube display 0, output interface close.

Trigger port setup<LTS-PD2460-4>

This series controller is high level trigger. Total 4 group trigger ports, each has +,- mark. To input high level to +,- port can achieve the trigger function.



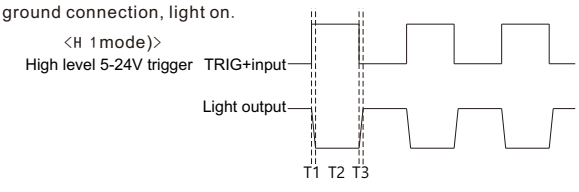
Sequence chart

Normal on mode (H1 mode):

When connect external trigger signal, trigger "+" input high level 5-24V "-" ground connection, light off.

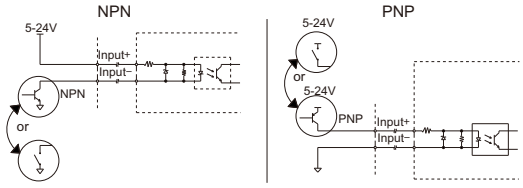
Normal closed mode (H0 mode):

When connect external trigger signal, trigger "+" input high level 5-24V "-" ground connection, light on.



Specification: T1 is trigger delay time, T1≤200us , T3≤200us。

Wire connection method of the external trigger signal



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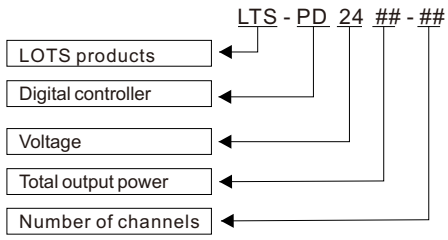
Digital Controller
PD Series

Parameters

Item	LTS-PD2460-4	LTS-PD24120-8	Remark
Number of channels	4	8	
Addition output voltage	12V/500mA	N/A	power supply to camera or other device. This interface strictly prohibit reverse connected
Input voltage	AC 100-240V		
Input frequency range	50/60Hz		
Output voltage range	0-24V		
Luminance control method	manual adjust by button, PC remote adjustion		
Luminance control mode	PWM adjust		change PWM duty radio to adjust voltage
Luminance control Level	256 level		
Saving function	self-saving parameter of luminance when power off		
External trigger voltage	5-24V		
Communication method	RS232 serial port communication		
Normal on/Normal closed mode switch	change H mode by CH button		H1 mode is normal on H0 mode is normal closed

Coding Rule

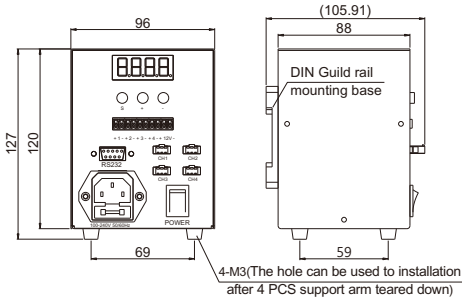


Controller model

Product	Model	Output voltage range	Total output power	One way Max. output power	Number of channels	Dimen -sion	Extenal trigger voltage	Remark
Digital Controller	LTS-PD2460-4	0-24V	60W	40W	4	1	5-24V	Have communication, trigger, digital tube display and power supply to camera function
	LTS-PD24120-8	0-24V	120W	60W	8	2		Have communication, trigger, digital tube display function

Boundary dimension(mm)

1.LTS-PD2460-4



2.LTS-PD24120-8