High Power Constant Current Controller New

DPA 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-DPA24200-1S>

No.	Parameter	Specification			
1	Power indicator	Power indicator, the indicator light on when controller power on			
2	TS	Output initial state option switch. Move TS up, output open; Move TS down, output off			
3	3 digital tube display	Luminance grade display			
4	Button	Press "+" button, to increase the luminance, press "-" button, to decrease the luminance			
5	Light interface	AS16 aviation joint			
6	Trigger interface	Connect external trigger signal to do the frequency trigger working, high level trigger			
7	RS232 /LAN	Connect the controller and PC by RS232 serial port or LAN			
8	Cooling fan	Heat dissipating of the controller, can extend the controller working life-span			
9	Power switch	On/ off controller power			
10	AC input interface	AC96-264V/47-63Hz			

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 (AC96-264V 47-63 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.

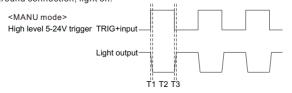
Sequence chart

Normal on mode (MANU mode) :

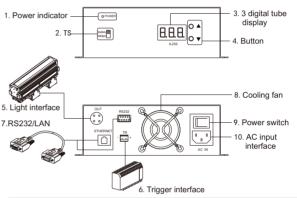
When connect external trigger signal, trigger "+" input high level 5-24V "-" around connection, light off.

Normal closed mode (REMO mode) :

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



Specification: T1 is trigger delay time, T1 $\!\!\!<\!\!80 us$ T3 $\!\!\!<\!\!80 us$.



Mode setup

Working mode	Output interface				
Normal on mode	TS up, output state is open mode				
Normal closed mode	TS down, output state is off mode				

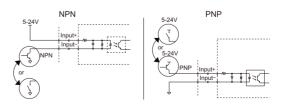
→ Trigger port setup 〈LTS-DPA24200-1S〉

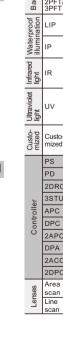
This series controller is low level trigger controller. Total 1 group trigger ports, each has +/- mark. To input low level 5-24V to +/- port can achieve the trigger function.



Trigger introduction: when output initial state is open mode, input 5-24V to trigger port, light off; when output initial state is off mode, input 5-24V to trigger port, light on.

→ Wire connection method of the external trigger signal





3LINH 3LINL

3LIN 2LINS

2LIN 2COXI

2LINN

STL

RN

RNH SRN HPR FPR DML

3DM 2DM

LFX

FPQ

RIH DL 3BRH

2BRS 2BRM

3СОН

3CON COXR 3COX COPA HSL

2SL

SL RNMU

2FTB 2FTR

Shadowless



High Power Constant Current Controller

DPA Series

3LINE 3LINL 3LIN 2LINS 2LIN 2COXL 2LINM SDI STL RN RNH SRN HPR FPR DMI LFR 3DM 2DM LF> FPC RIH

DL 3BRH

2BR

2BRS

2BRM 3COH

3CON

3COX COPA

> HSL 2SL

SL

2FTB/ 2FTR

LIP

IR

PS

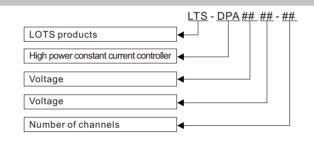
2DRC 3STU APC DPC 2APC

DPA 2ACC 2DPC

Are

→ Parameters								
Model	LTS-DAP24200-1S	LTS-DPA24400-1S/2S	LTS-DPA48600-1S	LTS-DPA481000-1S	LTS-DAP481200-1S			
Number of channels	1 Way	1、2 way	1 Way	1 Way	1 Way			
Input voltage		AC 180-264V						
Communication mode	R\$232,LAN							
Input frequency range	43-67Hz							
Luminance control method	Manual adjust by button, PC remote adjustio							
Luminance control mode	Constant-current							
Luminance control level	iminance control level 256 level							
Storage function	set-up parameter of luminance will be kept while power off							
External trigger voltage	high level 5-24V							
Power supply output voltage of fan	24V 2A							
Baud rate	9600bps							

> Coding rule



> Controller model

Product	Model	One way output adjustable current	Total output power	One way Max. output power	Number of channels	Dimen -sion	Extenal trigger voltage	Remark
	LTS-DPA24200-1S	0-8A	200W	200W	1	1	5-24V	Have communication, trigger, luminance level display function
	LTS-DPA24400-1S	0-16A	400W	400W	1	2		
High power constant current controller	LTS-DPA24400-2S	0-8A	400W	200W	2	3		
Constant current controller	LTS-DPA48600-1S	0-10.4A	500W	500W	1	4		
	LTS-DPA481000-1S	0-16.6A	800W	800W	1	5		
	LTS-DPA481200-1S	0-25A	1200W	1200W	1	6		

→ Boundary dimension(mm)

