

Analog Controller High cost-effective PS Series

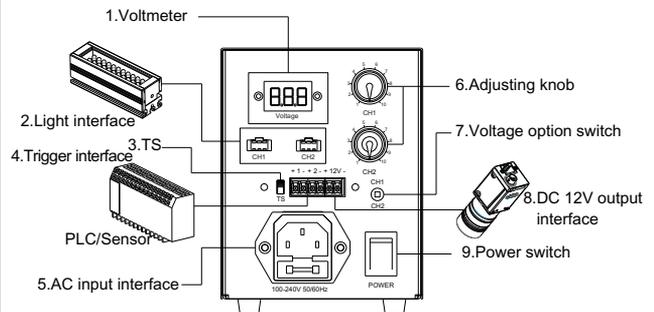
3LINH	Line scan illumination	
3LINL		
3LIN		
2LINS		
2LIN		
2COXL	Structured light	
2LINM		
SDL		
STL		
RN		
RNH	Ring illumination	
SRN		
HPR		
FPR		
DML		
LFR	Shadowless illumination	
3DM		
2DM		
LFX		
FPQ		
RIH	Bar illumination	
DL		
3BRH		
2BR		
2BRS		
2BRM	Coaxial illumination	
3COH		
3CON		
COXR		
3COX		
COPA	Multi-angle illumination	
HSL		
2SL		
SL		
RNMU		
AOI	Back illumination	
2FTB/2FTR		
FTC		
2FT/3FT		
2PFT/3PFT		
LIP	Waterproof illumination	
IP		
IR		Infrared light
UV		
Customized		
PS		
PD		
2DRC		
3STU		
APC	Controller	
DPC		
2APC		
DPA		
2ACC		
2DPC	Lensless	
Area scan		
Line scan		

- ◆ Simple structure, compact volume, DIN guide rail installation.
- ◆ External trigger function.
- ◆ Luminance stepless adjustment.
- ◆ Voltage display function.
- ◆ Normal on/Normal closed mode optional.
- ◆ Have a 12V 500mA output to supply to other device.



→ Control panel specification <LTS-PS2424-2>

No.	Parameter	Specification
1	Voltmeter	CH1, CH2 voltage display
2	Light interface	2 way output, each can be controlled independently
3	TS switch	Move TS up, output open; Move TS down, output off
4	Trigger interface	Input trigger signal, low level 0-1.5V
5	AC input interface	Input AC 100-240V 50/60 Hz
6	Adjusting knob	Ch1 knob adjust the output voltage of CH1 channel, CH2 knob adjust the output voltage of CH2 channel
7	Voltage option switch	Switch up, voltmeter display CH1 channel output voltage; switch down, voltmeter display CH2 channel output voltage
8	DC 12V output interface	output 12V 500mA, Can power supply to camera or other device. This interface strictly prohibit reverse connected.
9	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 (AC 100-240V 50/60 Hz), press the red switch "-", indicator light up, "o" uplifted, power on.

Step 4: Adjust the knob to make the luminance reach the required value.

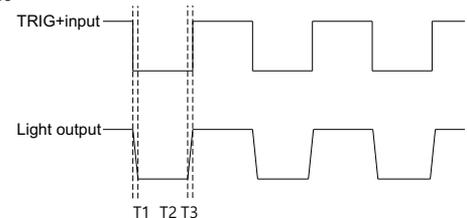
→ Parameters

Item	LP-PS2424-1/2/4	Remark
Input voltage	AC 100-240V	
Input frequency range	50/60Hz	
Number of channels	1, 2, 4	
Output voltage range	12-24V	
Luminance control method	knob adjusting	
Luminance control mode	Constant-voltage	
Luminance control level	stepless adjustment	
External trigger voltage	0-1.5V	xternal trigger function
Addition output voltage	12V/500mA	Power supply to camera, This voltage strictly prohibit reverse connected
Normal on/Normal closed mode switch	build-in	switch by toggle switch TS

→ Sequence chart

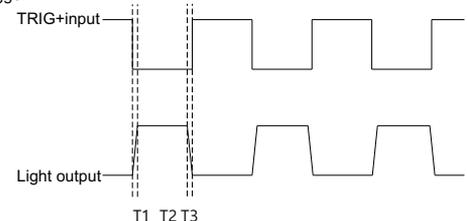
Initial state is open mode:

Low level (0-1.5V) trigger



Initial state is off mode:

Low level (0-1.5V) trigger



Specification: T1 is trigger delay time, $T1 \leq 200\mu s$, $T3 \leq 200\mu s$.

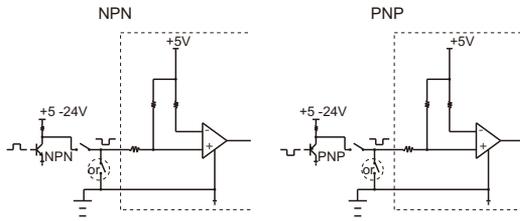


<http://www.lotsmv.com>

Analog Controller

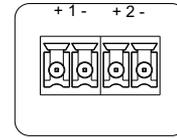
PS Series

→ Wire connection method of the external trigger signal

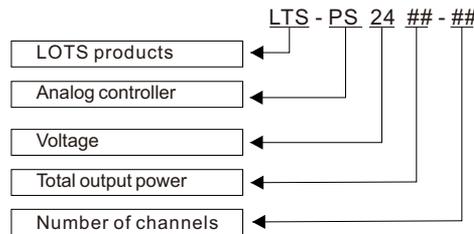


→ Trigger port setup <LTS-PS2424-2>

This series controller are low level trigger. Total 2 group trigger ports, each has +/- mark. To input low level 0-1.5V to +/- port or +/- connected with short circuit can achieve the trigger function.



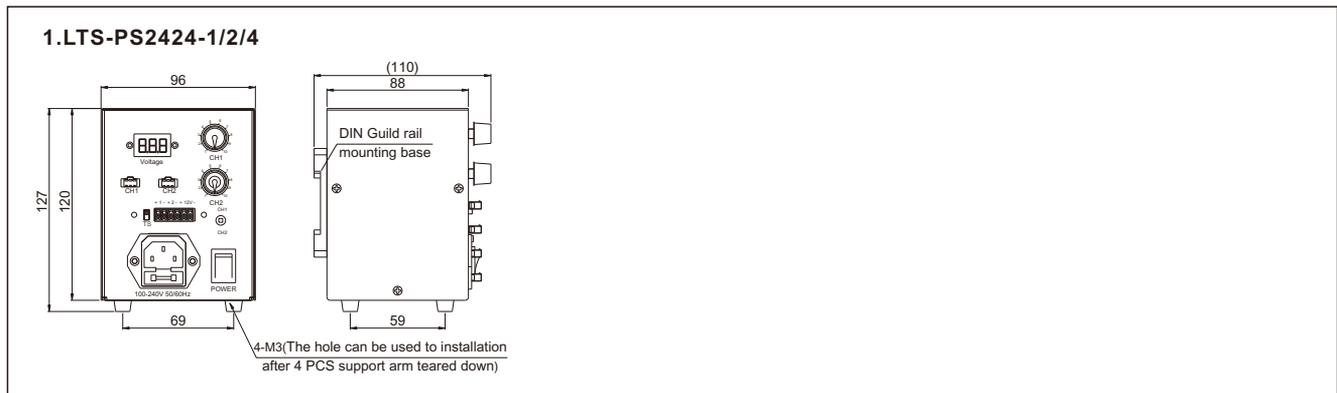
→ Coding Rule



→ Controller model

Product	Model	Output voltage range	Total output power	One way Max. output power	Number of channels	Dimension	External trigger voltage	Remark
Small power analog controller	LTS-PS2424-1	12-24V	24W	24W	1	1	0-1.5V	Have voltage display, trigger, and power supply to camera function
	LTS-PS2424-2	12-24V	24W	24W	2	1		
	LTS-PS2424-4	12-24V	24W	24W	4	1		Have trigger, and power supply to camera function

→ Boundary dimension(mm)



Line scan illumination	3LINH 3LINL 3LIN 2LINS 2LIN 2COXL 2LINM SDL
Structured light	STL
Ring illumination	RN RNH SRN
Shadowless illumination	HPR FPR DML LFR 3DM 2DM LFX FPQ RIH DL
Bar illumination	3BRH 2BR 2BRS 2BRM
Coaxial illumination	3COH 3CON COXR 3COX COPA HSL 2SL SL
Multi-angle illumination	RNMU AOI
Back illumination	2FTB/ 2FTR FTC 2FT/ 3FT 2PFT/ 3PFT
Waterproof illumination	LIP IP
Infrared light	IR
Ultraviolet light	UV
Customized	Customized
Controller	PS PD 2DRC 3STU APC DPC 2APC DPA 2ACC 2DPC
Lenses	Area scan Line scan

