

Analog Controller High cost-effective

PS Series

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

- ◆ 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 AC100-240V 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

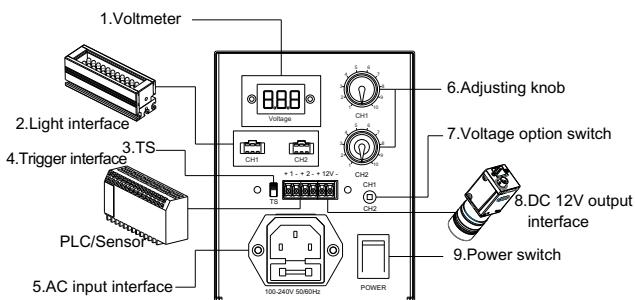
Connection step:

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 (AC100-240V 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.



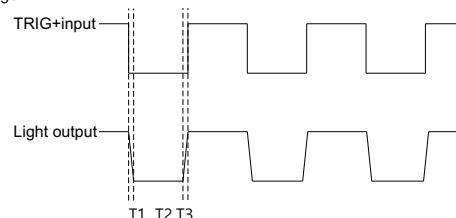
→ Parameters

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	External 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

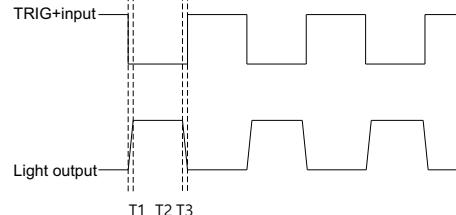
Initial state is open mode:

Low level (0-1.5V) trigger



Initial state is off mode:

Low level (0-1.5V) trigger



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

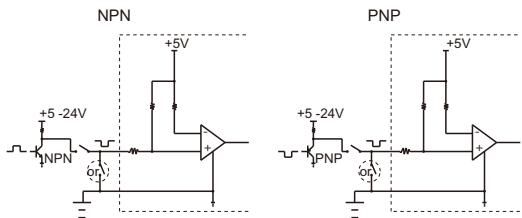


<http://www.lotsmv.com>

Analog Controller

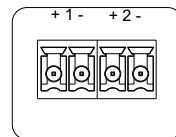
PS Series

→ Wire connection method of the external trigger signal

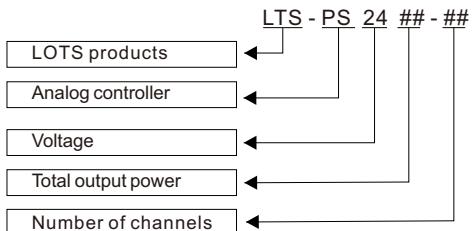


→ Trigger port setup<LTS-PS2424-2>

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.



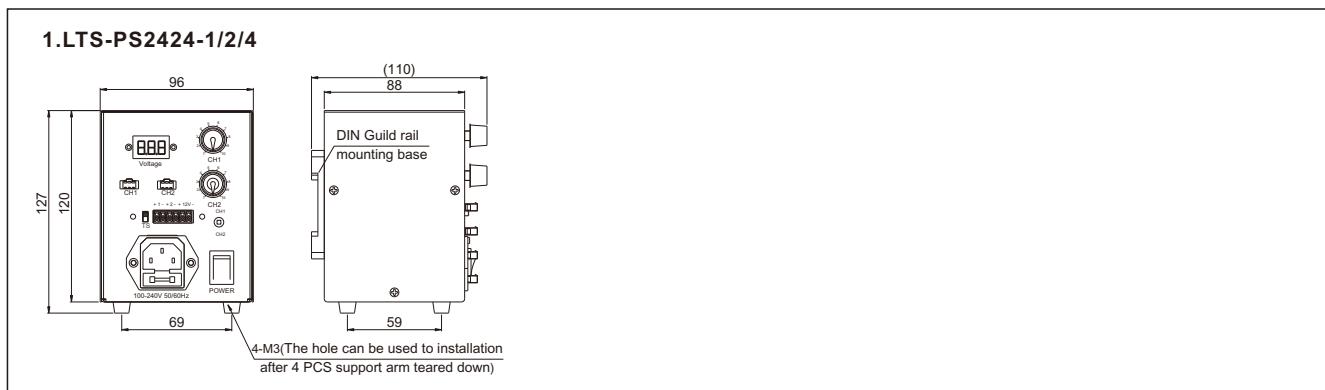
→ Coding Rule



→ 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		Have trigger, and power supply to camera function
	LTS-PS2424-4	12-24V	24W	24W	4	1		

→ Boundary dimension(mm)



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2COXL	
2LNM	
SDL	
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RNH	
SRN	
HPR	
FPR	
DML	
LFR	
3DM	
2DM	
LFX	
FPQ	
RIH	
DL	
3BRH	Bar illumination
2BR	
2BRS	
2BRM	
3COH	
3CON	
COPX	
3COX	
COPA	
HSL	
2SL	
SL	
RNNU	Coaxial illumination
AOI	
2FTB/2FTR	Multi-angle illumination
FTC	
2FT/3FT	
2PFT/3PFT	
LIP	Back illumination
IP	
IR	
UV	
Customized	Waterproof illumination
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Area scan	Controller
Line scan	

