
MPA-5/24S-4C Light Controller

Technical Instructions

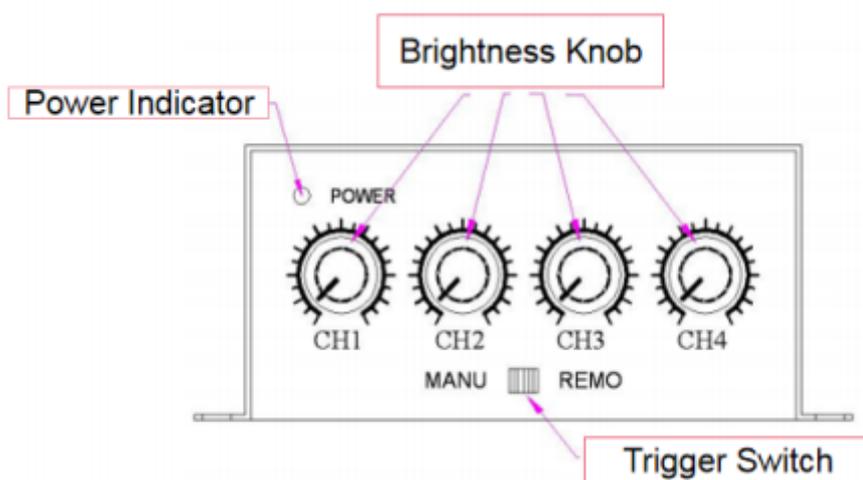
The product is a 400mA four-channel constant current controller designed for driving LED light sources, with two output channels for 5V spot light sources and two output channels for 24V light sources, and the output of each channel can be adjusted independently by the brightness adjustment knob, thus realizing the adjustment of LED light source brightness.

The controller is small in size and simple in structure; the high accuracy of output constant current ensures the consistency of illumination when the LED light source works, and at the same time, extends the life of the LED light source products. The design is mature, the process is reasonable, and the quality of the selected materials is stable, ensuring a high degree of product reliability and strong environmental adaptability.

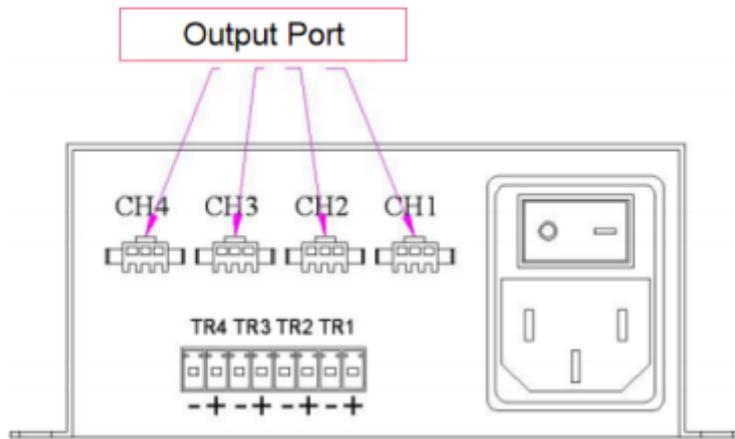
1. Electrical Parameters

INPUT	Voltage Range	88-264VAC
	Frequency Range	47-63HZ
OUTPUT	Type	constant current
	Port 5V	2
	Port 24V	2
	Adjustment Range	0-400mA
	Angle of the knob	300°
TRIGGER	Mode	+/-
	Trigger Level	5-24V
PROTECTION	Surge protection; Over current protection; Overheat protection.	
ENVIRONMENTAL ADAPTABILITY	Operating Temperature	0 ~ 40°C
	Storage Temperature	-10 ~ 50°C
Others	Size	135x95x40mm
	Surface	Spray

2. Interface description



P1 Operation panel diagram (front)



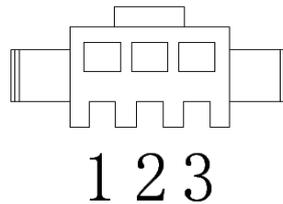
P2 Operation panel diagram (back)

Note:

CH1 and CH2 is 24V port, CH3 and CH4 5V port.

3. Wiring

□ Power Output Wire Connection:



P4 Output Connector

24V Plug in model: SMP-03V

1: (to light)

2: NC

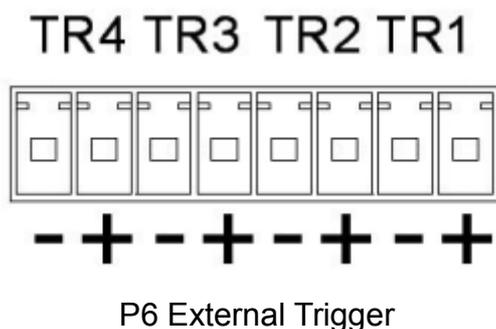
3: - (to light)

5V Plug in model: SMP-03V

1: + (to light)

2: (to light)

External Trigger Power Input Wire Connection:



4. Operation Instruction

1. Manual Mode

CH1 to CH4 are the knobs to change the brightness of channel 1 to 4 respectively (by clockwise rotating).

2. Hardware Trigger Working Mode

MANU is manual mode, when the trigger current is 0V, the lighting source output works, when the trigger current is 5-24V, the lighting source output shuts down.

REMO is remote trigger mode. When the trigger current is 0V, the lighting source output shuts down, when the trigger current is 5-24V, the lighting source output opens.

Note: Select the "MANU" mode, trigger level is not connected (that is, 0V), the light source is constantly on.

5. Structure

