

Analog Light Source Controller CK-HAT24-75W-4TD



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1. Key Features

- Single-channel maximum load output current up to 1A
- Light source brightness steplessly adjustable from 0 to 255
- Supports external triggering, with selectable high/low external trigger level
- Equipped with overload and short-circuit protection functions

2. Specification Parameters

Driving Mode	Constant Voltage
Dimming Mode	Panel Knob
Input Voltage	AC 100 ~ 240V 50/60Hz
Brightness Level	0 ~ 255
Number of Output Channels	4
Output Voltage	DC 24V
Maximum Output Power	75W
Single-Channel Maximum Output Current	1A
Output Port	SMP-03V-BC
External Trigger Voltage	DC 5~24V (current approx. 5.6mA)
Operating Environment	Temperature: 0 ~ 40°C, Humidity: 20 ~ 85%RH (non-condensing)
Storage Environment	Temperature: -20 ~ 60°C, Humidity: 20 ~ 85%RH (non-condensing)
Cooling Method	Natural Cooling

3. Interface Description

3.1. Panel Description



3.2. Trigger Level Selection

Toggle the DIP switch to "LOW" for low-level triggering, and to "HIGH" for high-level triggering.

3.3. Power&Switch

Three-pin socket for AC input, with input voltage range of AC 100-240V 50/60Hz; press the switch to "0" to turn off the power, and to "1" to turn on the power.

3.4. Panel Knob

The knob is used to adjust the brightness of the light source. Rotate clockwise to increase brightness; rotate counterclockwise to decrease brightness. The knobs control channels CH1, CH2, CH3, and CH4 from top to bottom in sequence.

3.5. Four-Channel Light Source Interface

The sequence of light source output interfaces is CH1, CH2, CH3, CH4 from top to bottom, corresponding to the trigger input numbers.

4. Dimensions

