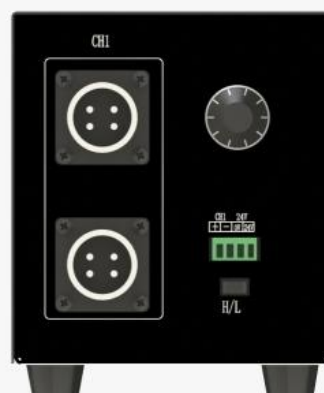


High power analog controller

Airon



Product Features

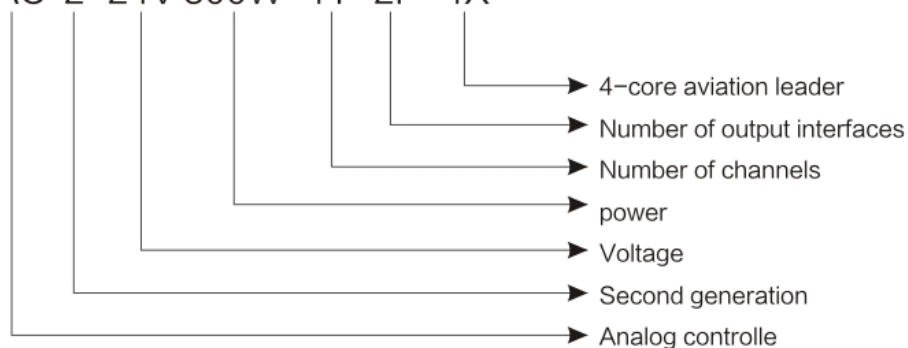
- ◆ The high-power analog controller achieves stepless adjustment of light source brightness through voltage control, with a simple structure and easy operation. It is the most commonly used controller, suitable for most occasions, and also compatible with triggering function.

Application scope

- ◆ Stepless brightness control;
- ◆ Simple structure and good stability;
- ◆ Equipped with short-circuit protection function;
- ◆ Equipped with external triggering and high/low level switching function;
- ◆ After removing the foot pad, it can be fixed and installed with screws.

Naming rules

Airon AC 2-24V 300W-1T-2P-4X



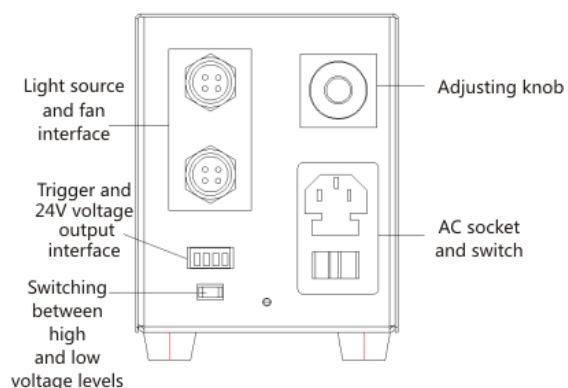
No	Model	Input Voltage	Output Voltage	Total Power	Channel	Adjustamen Method
1	AIRON-AC 2-24V150W-1T-2P	100-240VAC	24VDC	150W	1	Voltage adjust
2	AIRON-AC 2-24V150W-1T-2P-4X	100-240VAC	24VDC	150W	1	Voltage adjust
3	AIRON-AC 2-24V300W-1T-2P	100-240VAC	24VDC	300W	1	Voltage adjust
4	AIRON-AC 2-24V300W-1T-2P-4X	100-240VAC	24VDC	300W	1	Voltage adjust
5	AIRON-AC 2-24V600W-2T-2P	100-240VAC	24VDC	600W	2	Voltage adjust
6	AIRON-AC 2-24V600W-2T-2P-4X	100-240VAC	24VDC	600W	2	Voltage adjust
7	AIRON-AC 2-24V600W-1T-2P	100-240VAC	24VDC	600W	1	Voltage adjust
8	AIRON-AC 2-24V600W-1T-2P-4X	100-240VAC	24VDC	600W	1	Voltage adjust

Product model and specifications

Model	AIRON-AC 2-24V300W-1T-2P-4X
Drive mode	constant voltage
Dimming method	Potentiometer adjustment
Input voltage	AC100–240V
Number of channels	1
Output voltage	DC24V
Total power	300W
Single channel power supply	300W
Output port	GX16–4P male head (1+, 2– connected to light source; 3+, 4– connected to fan)
External trigger voltage	12–24V
Trigger delay	<1ms
Use temperature and humidity	Temperature: 0–40 °C, humidity: 20–85% RH, non condensing)
Save temperature and humidity	Temperature: –20–60 °C, humidity: 20–85% RH, non condensing)
Cooling method	Fan
Weight	1200gabout
Size	280*131.5*100mm

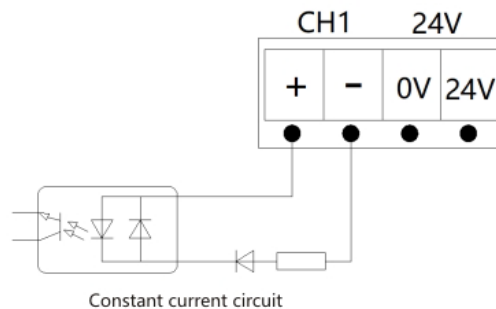
Panel Description

- ◆ Adjustment knob: potentiometer adjusts the brightness of the light source
- ◆ Trigger and 24V voltage output interface: The light source is triggered by an external 12–24V trigger signal Synchronous output, with the other two terminals outputting a voltage of DC24V;
- ◆ High and low levels: H is a constant light mode, which triggers the light source to turn off; L is in constant off mode and triggers a signal The light source is on;
- ◆ Light source and fan interface: GX16–4P male head (1+, 2– connected to light source; 3+, 4– connected to fan),Parallel output of two interfaces;
- ◆ AC socket and switch: Input voltage AC 100–240V, 50/60Hz.



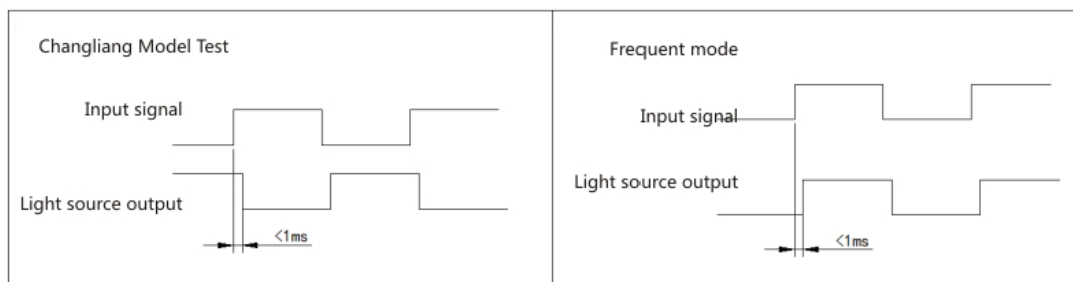
Trigger Terminal Description

- 1: CH1+external trigger input positive pole;
 - 2: CH – External trigger input negative pole;
 - 3: 0V/24V controller output 24V interface;
- ◆ The trigger voltage of the controller is 12–24V;
 - ◆ Internally, a bidirectional high-speed optocoupler is used, and the CH+/CH – wiring can be connected without distinguishing between positive and negative poles;
 - ◆ The trigger circuit has a constant current circuit and does not require a trigger voltage within the specified range of 12–24V. We need to connect resistors in series.



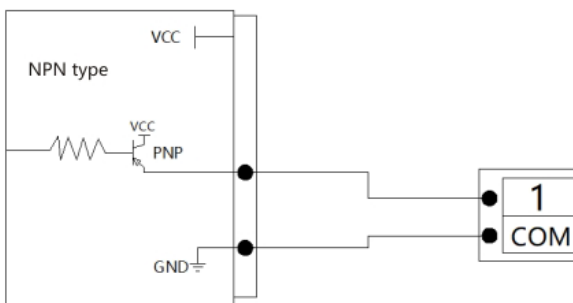
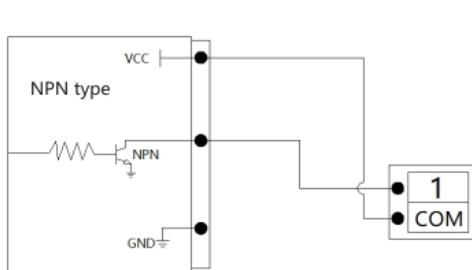
Trigger timing diagram

- ◆ Level H: Constant light mode, when there is a trigger signal, the light source will turn off;
- ◆ Level L: Constant off mode, the light source lights up when there is a trigger signal.

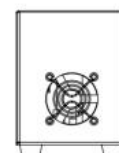
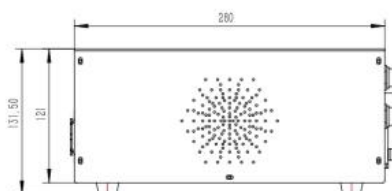
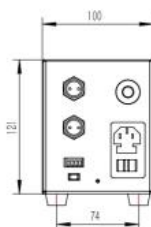
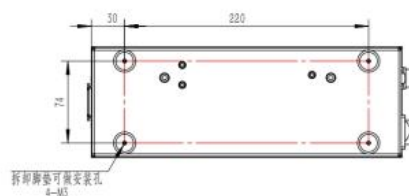


Wiring method

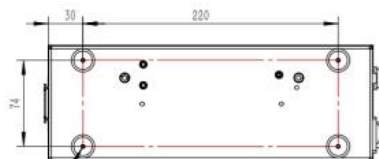
- ◆ NPN type sensor: common positive, control negative, triggered when the sensor output is low level;
- ◆ PNP type sensor: Co negative, controls positive pole, triggered when the sensor output is high level.



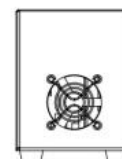
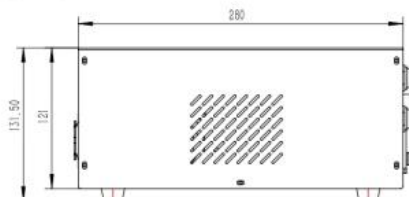
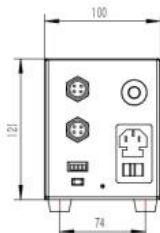
Product dimension diagram: AIRON-AC 2-24V150W-1T-2P / AIRON-AC 2-24V300W-1T-2P-4X



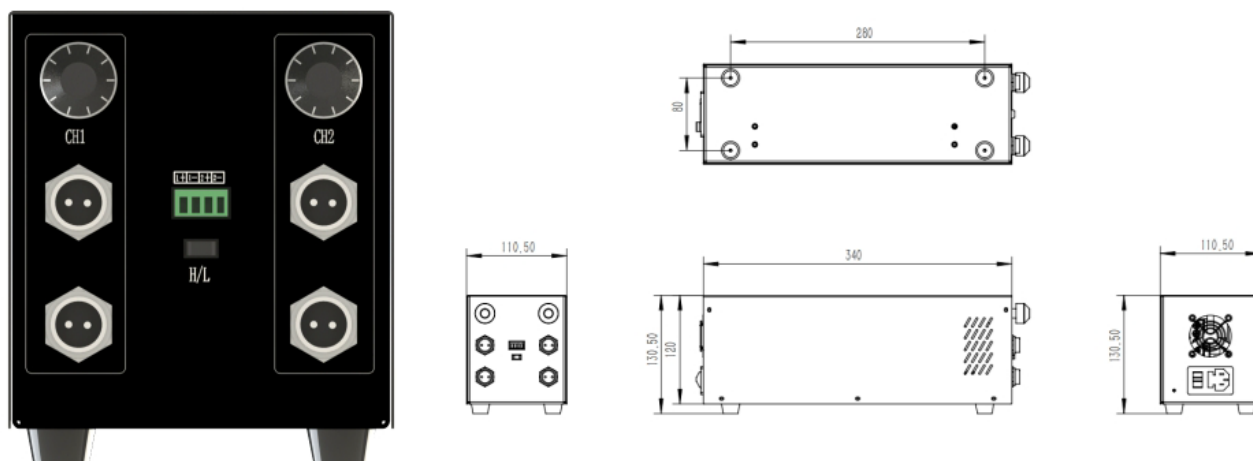
Product dimension diagram: AIRON-AC 2-24V150W-1T-2P-4X / AIRON-AC 2-24V300W-1T-2P-4X



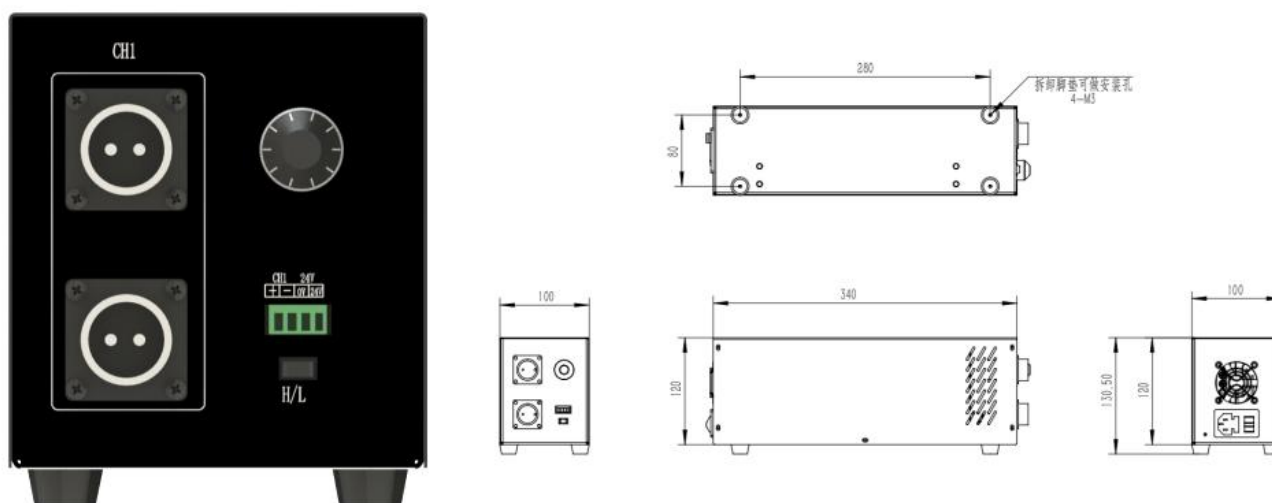
Disassembling
the foot pad can
create installation
holes 4-M3



Product dimension drawing: AIRON-AC 2-24V600W-2T-2P



Product dimension drawing: AIRON-AC 2-24V600W-1T-2P



Product dimension drawing: AIRON-AC 2-24V600W-1T-2P-4X

