

## AP104 load converter

### Product user manual



**Amplificatore Led RGB e Mono Colore 220V  
Per Striscia Led Alta Tensione  
Compatibile Con Centralina 12V 24V**

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## 1. Summarization

Load converter is a controller which newly developed by our company, the product is convenient to connect, can transform low voltage load controller to high voltage load, has the isolation design with output of the upper controller (low voltage controller). The output of controller is 3 channels, and can be controlled by low voltage controller, to achieve effect high voltage load and low load same model, control of synchronous.

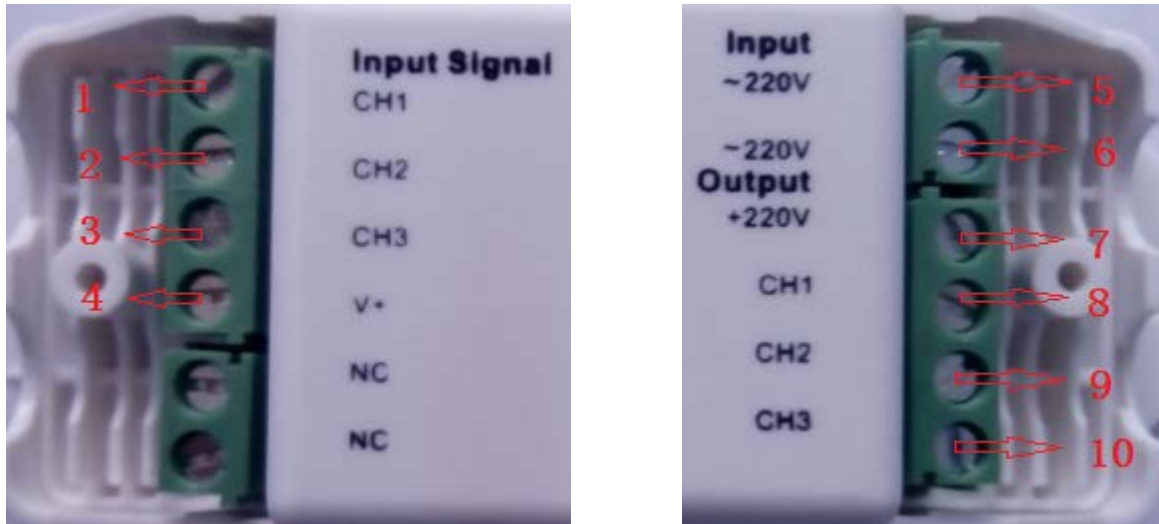
## 2. Technical Parameters

- 2.1 working temperature: -20-60 °C
- 2.2 supply voltage: AC220V
- 2.3 output: 3 channels
- 2.4 connection mode: common anode (DC220)
- 2.5 external dimension: L164 X W40 X H30 mm
- 2.6 packing size: L170 X W945 X H40 mm
- 2.7 net weight: 140g
- 2.8 gross weight: 195g
- 2.9 static power consumption: <1W
- 2.10 output current: <2A ( each channel )
- 2.11 input signal: PWM signal, amplitude DC12-24V

## 3. External Dimension

L164 X W40 X H30 mm

## 4. Interface Specifications



- 4.1 5/6 power input: 220N, 50Hz;
- 4.2 1/2/3/4 input signal: 1/2/3 is signal-, connect with output LED- (R/G/B) of upper controller, 4 is signal+, connect with output V+ of upper controller;
- 4.3 7/8/9/10 load output: 7 is output positive of controller (common), 8/9/10 is output cathode of controller;

## 5. Use Instruction

### 5.1 Function instruction:

The CH1 / CH2 / CH3 of input signal respectively control the CH1 / CH2 / CH3 of the load output, respectively, one to one correspondence relation. The output mode depends on the mode of input signal, can convert low voltage (12-24V) output of the controller to high voltage load output.

## 6. Typical Application



## 7. Installation Method

7.1 Connect corresponding lines according to the interface description, note that the line can not be reversed;

## 8. Remarks

8.1 Connect the load wire at first, following by the power wire; **Please ensure short circuit can not occur between connecting wire before you turn on the power;**