Description

SB-WL-B0120 Power booster is a power amplifier dimmer that is an SCR power output device, it have once channel output . It accepts the low-power output voltage AC0～230V devices to dimming , in order to achieve a power amplifier dimming effect. In addition, it also accepts standard analog signals DC0-10V to dimming.

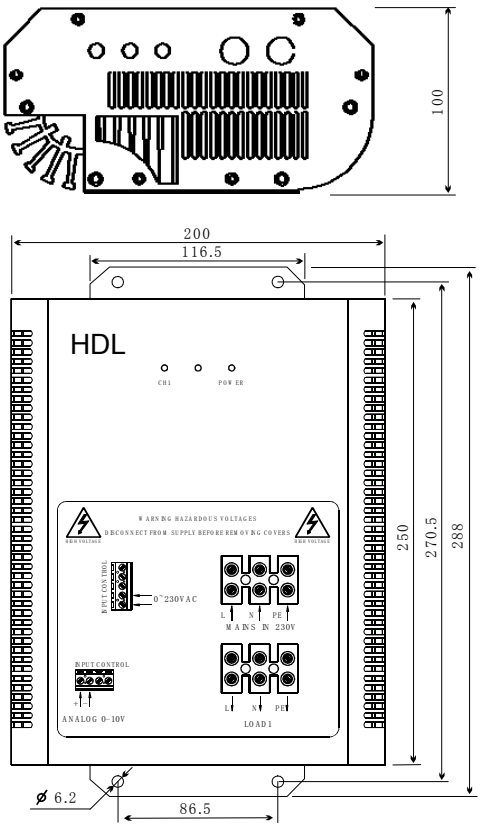
Main Function

. Receive control signals AC0 ~ 230V to achieve power amplification dimming
. Receive standard analog signals DC0-10V dimming control
. Receive AC0 ~ 230V and DC0-10V control signals in same time .the signal larger one would be output first

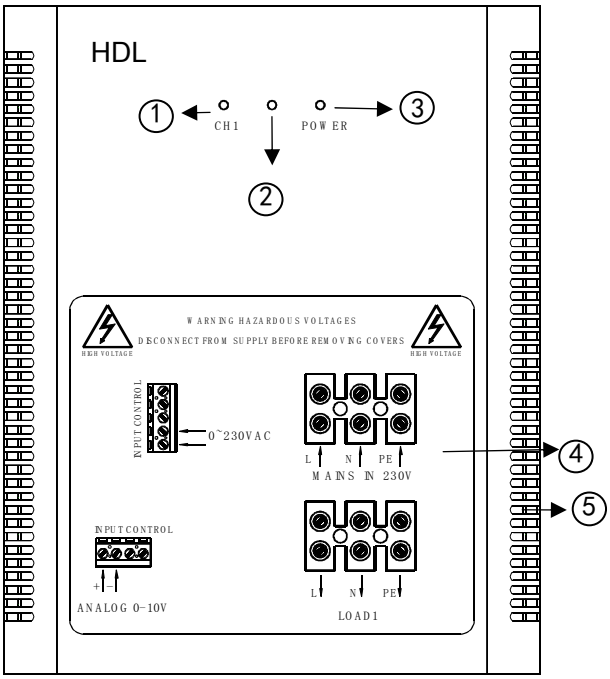
Performance parameters

. Input power：AC220V±10% 50Hz±2%
. Machine no-load consumption：<5W
. Output channel：1ch
. Output Voltage：20A/ch
. Rise time: more than 200μs
Environmental conditions：
Working Temperature 0℃~45℃
Working Relative Humidity 20%~90%
Storage temperature -40℃~+55℃
Storage relative temperature 10%~93%
. Dimensions：288mm×200mm×100mm

Performance parameters



Product Appearance （Front Part）



picture2

①Dimming channel control signal lights , brightness level represents the signal size

②This indicator is invalid

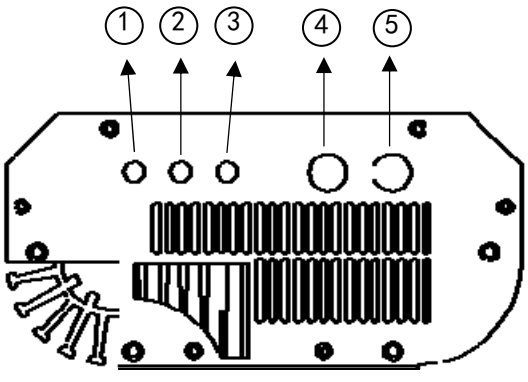
③Power supply indicator, light in normal working

④wiring identification.

⑤vents

。

Product Appearance (side view)



Side view

① DC0-10V control signal via control signal wires hole

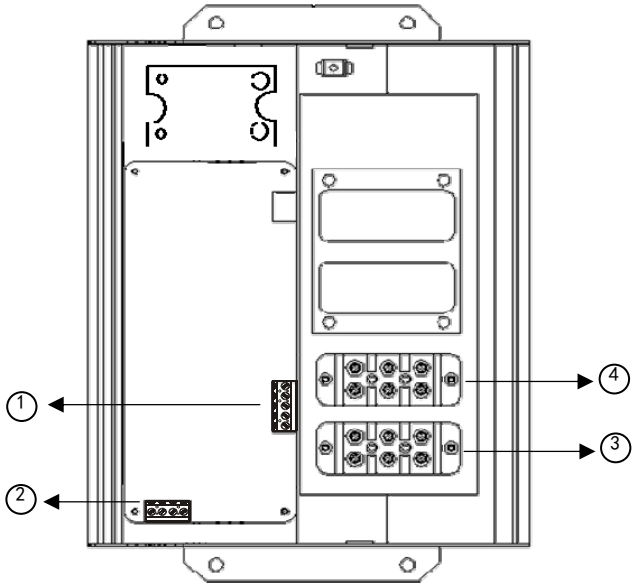
② dimming circuit AC0 ~ 230V control signal wires hole

③ dimming circuit AC0 ~ 230V control signal wires hole

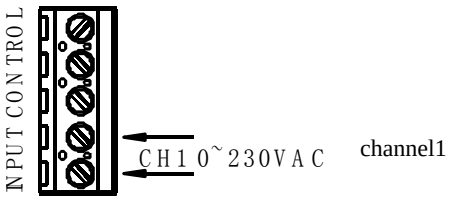
④ dimming circuit output wires hole

⑤ power input wires hole

Terminals

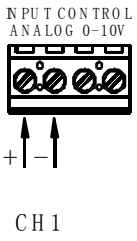


PowerAC230V input terminals
As shown in figure①
Terminal connection definition:

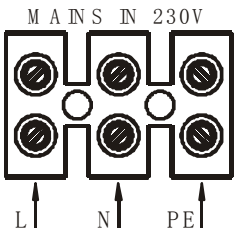


channel1

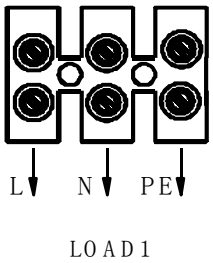
DC0-10V input terminals
As shown in figure②
Terminal connection definition



PowerAC230V input terminals
As shown in figure④
Terminal connection definition:



channel load (or power output) terminal
See picture above ③ below.
Terminal connection definition:
L → phase
N → zero line



Installation

Select the appropriate distribution system according to its total load

Installation location must be well-ventilated.pay attention to moisture, shock and dust.

Vertical rigging.

Via appropriate circuit breaker to connect Power Supply AC220 ~ 240V

Connections

Power phase: red copper wire 6mm2

Zero line: light blue copper 6mm2

Ground wire: yellow and green copper 6mm2

Load connection: 6mm2 copper wire

AC0 ~ 230V control signal line: 0.75mm2 copper wire

DC0-10V control signal line: shielded audio cable

Safety and Maintenance

Read All Instructions in detail before use

Please Do not close to jamming the equipment.

Have a reasonable distribution system to ensure adequate power source.

Grounded junction should be safety ground.

Overload use prohibited.

Make sure good Ventilation Environment

Pay Attention to Water-proof, shake-proof and dust-proof when using

Non-Rain, Non-Contact with other liquids or corrosive gases

Should be dried in time if invaded by water or liquid

Check the damage and aging lines Regularly, the line should be replaced if it is failed.

Contact Professional maintenance staff or HDL company when Product has problem

Via appropriate circuit breaker to connect Power Supply AC220 ~ 240V