

Advantages

- △ Using negative feedback technique to control the voltage change caused by power grid fluctuation and load current.
- △ New design make control and output power integration.
- △ Easy operating, the output voltage value can be set by only three keys on panel.
- △ The machine is suitable for resistive load, such as heating control for blister or blow molding machine, beating for temperature control equipment.

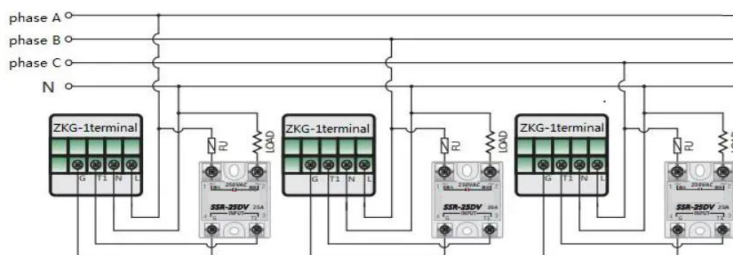
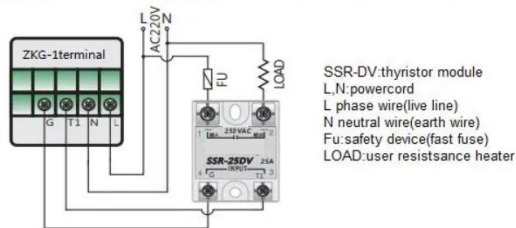
Specifications

Maximum conduction angle of Phase-Shift Trigger		≥170°
Dimension(mm)	Opening size	45*45
	Overall dimension (w*h)	48*48*78
Power supply	Voltage	220V AC±10%
	Frequency	50Hz
Power Consumption		3W
Working environment	Working temperature	-10°C~50°C
	Relative humidity	≤85% in Non corrosive gas occasion
Radiator		√

Wiring Diagram

- Terminals: L,N are the input terminals of the operating power supply of the machine. L is the phase line(commonly known as live wire),N is the neutral wire (commonly known as the earth wire).G,T1:the output of the machine triggers pulse signals.T1 is also the input signal of load voltage feedback.
- External parts: LOAD-load(heating equipment). FU-fuse. T2,T1,G-connect two-way silicon controlled electrode, G-controlled electrode,T2 and T1 are the main electrodes. L,N-outside power supply incoming line, L is the phase line(commonly known as live wire),N is the neutral wire (commonly known as the earth wire)

Single phase wiring diagram of ZKG-1 and SSR-DV



Warning

- Connect the meter, module, load, and fuse power supply according to the wiring diagram. The working power must be in common phase(means the same) with the load power, or it will be damaged to the voltage regulator.
- Fuse FU must be connected to the input end of phase line and shall not be connected to other positions.
- The thyristor radiator shall be fully considered to avoid electric shock and short circuit between electrodes of the thyristor.
- Every phase trigger signal wire of SSR-DV connected to voltage regulator should very short and separated from other wires in case of triggering the SSR-DV lose control due to mutual interference.
- The rated current of SSR-DV must be more than two times the actual current, Large enough radiator, good ventilation and heat dissipation are needed to ensure the temperature of SSR-DV is under 70°C in any occasion.
- Suitable load: constant resistance type heating wire, IR infrared ray and UV lamp.