



Shangai AOYI Electric Co., Ltd

ZKG-2000 Series

Specialized Products for the Heating Control System



DESCRIPTION

General

Digital SCR voltage regulator „ZKG-2000 series“ based on single-chip computer as the core are designed to adjust load voltage continuously by phase-shift trigger, which is fit for temperature control of forming machine or other mechanical equipments. Due to the use of deep voltage negative feedback, „ZKG-2000 series“ have exceptional stabilized voltage property, well linearity control function, and can minimize the effects of electric network fluctuation.

ZKG-2000 series have the built-in LED which can display output voltage. This new design has special advantages, such as high accuracy, good shock-resistant, good reliability, strong anti-interference ability, small overall dimensions, light weight, clear reading, no parallax, remote viewing result so on.

ZKG-2000 series have pushbutton switches which are operationally simple and reliable.

Import Technical Specifications

Output Impulse (when the load resistance is 20Ω):

Amplitude $\geq 3V$

Width $\geq 50\mu s$

Maximum Conduction Angle of Phase-Shift Trigger:

Not less than 150°

Environment Conditions:

Maximum relative humidity 80%

Temperature $0\sim 150^\circ C$

Far away from corrosive gas

Main Power Supply:

Voltage $220V \pm 15\%$

Frequency 50Hz/60Hz

Input power nearly 3W

Dimensions:

Overall dimensions 48x48x90 (mm)

Opening size 45x45 (mm)

Wiring Diagram

ZKG-2000 voltage regulator applied SSR-DV module can be used for temperature control of forming machine or other mechanical equipment. Please refer the following wiring diagram and ensure correct connecting.

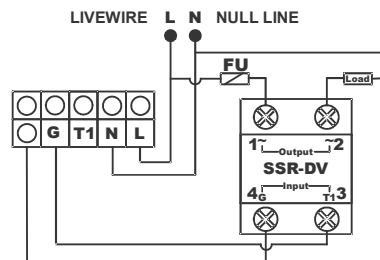


Fig.1 single-phase wiring diagram

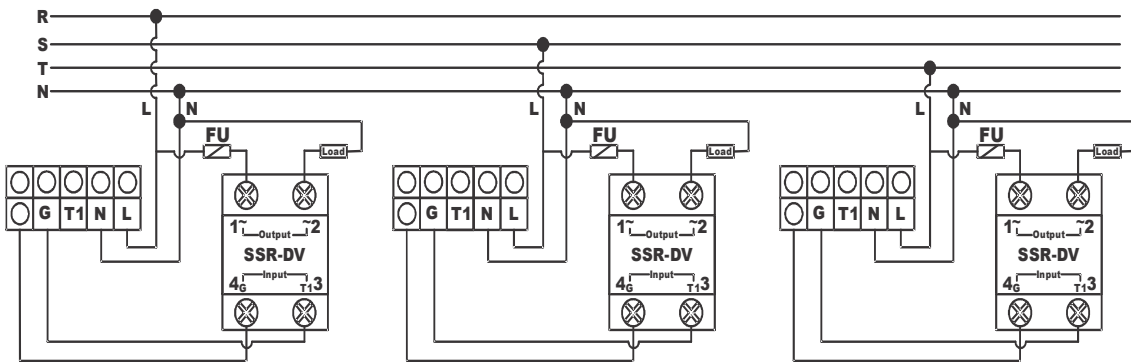


Fig.2 Three-phase wiring diagram