Controlled Silicon Trigger

Main Characteristic

GWL-AIJK series, it is an intelligent three-phase, phase shift trigger and zero crosses the dual-purpose trigger with single-chip technology, it has powerful function and reliability, it can adapt all kinds of electric resistance wire and silicon carbide rod and loaded with transformer to depressurization silicon molybdenum rod and tungsten wire and so on type industrial furnace, and also can be use at soft starter for electromotor. it main characteristic include:

1. 0-20mA（0-5V）/4-20mA（1-5V）signal compatible input；
2. Using computer technology for doing the Linear power correction，when the load is resistive, the output power is proportional to the input signal. phase deficiency detection、over current detection；GWL-AIJK3 it also has the controlled silicon breakdown and load opening detection；
3. Automatic synchronization Function, to connection of the controlled silicon trigger there is no need to check the phase sequence. GWL-AIJK3 even no need to check the polarity.
4. Using all optoelectronic isolation and“not to burn” technology, excellent reliability, causing small interference to the input.
5. Current feedback or delay time adjustable soft start/soft stop function，it can adapt silicon molybdenum Rod，tungsten wire, electromotor and inductive loads；
6. It has the switching power supply, which can be powered directly by 220VAC，And it also has the 5V and 24V two sets of DC power output.

Difference Of Each Model

GWL-AIJK Series include 3 Model，the Function and characteristic given below：

Model	GWL-AIJK1	GWL-AIJK3	GWL-AIJK6
Load characteristics	Single，inductive，Resistive load	Resistive load	Inductive，Resistive load
Connection Model	Single item exclusive	three-phase four-wire、Double phase and Single Phase	three-phase three-wire exclusive (Half control and full control circuit)
Fault detection and alarm	Open circuit alarm	Power deficiency phase and over current、Controlled Silicon and automatic load opening detection	Power deficiency phase and over current