

JKW5C Reactive Power Auto-compensation Controller



General

JKW5C series intelligent reactive power automatic compensation controller is especially used to control reactive power compensation in low-voltage distribution system, can be matched with various type of low-voltage static capacitance screen. Each has five specifications of 4, 6, 8, 10 and 12 output ways. This machine adopts the advanced technology from home and abroad, possesses advantages of small volume, light weight, complete functions, strong anti-jamming, stable and reliable operation, accurate compensation, etc. It is designed according to JB/T9663-1999 the latest nation a professional standard; approved by the national quality-monitoring center of power control distribution equipments, and passed the type test.

Full digital design, AC sampling;

Adhering to the people-oriented design concept, modular assembly and appearance streamline design;

Real-time display of power factor, voltage, current, reactive power and capacitor switching state;

English prompt and digital input for setting parameters;

Capacitor control scheme supports power factor cyclic switching compensation or precise compensation of reactive power. The compensation scheme can be set through menu operation;

It has two working modes: manual compensation and automatic compensation;

Sampling physical quantity is power factor or reactive power.

Features

Altitude: $\leq 2500\text{m}$ Ambient temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Storage temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$, Environmental condition: without explosive and flammable dangerous medium, without corrosive metal gas and the conductive dust that may damage the electric insulation. The installation site has no violent vibration and no rain or snow erosion.

Measuring data: Measuring voltage: $100\text{V} \sim 500\text{V}$
 Measuring current: $0 \sim 6000\text{A}$ (primary current)
 Sensitivity: 50mA (Secondary current)
 Measuring power factor: lag $0.2 \sim$ lead 0.2

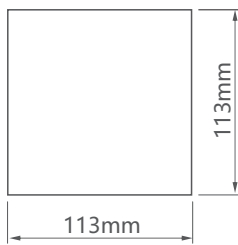
Rated voltage: $380\text{V} \pm 20\%$

Measuring frequency: $47\text{Hz} \sim 53\text{Hz}$

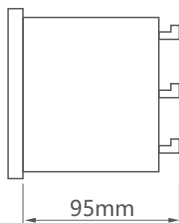
Active power: $0 \sim 6553\text{Kw}$ reactive power: $0 \sim 6553\text{Kvar}$

Display performance:

LED digital display, data display refresh period $\leq 1\text{s}$

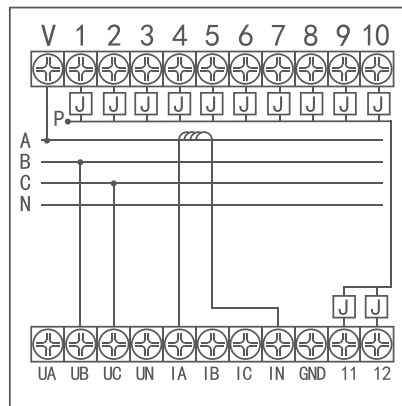


Hole size: $113\text{mm} \times 113\text{mm}$

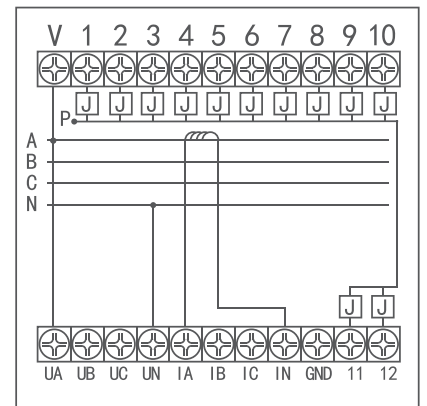


Insert depth: 95mm

Wiring diagram



JKW5C-380V
voltage sampling wiring diagram



JKW5C-220V
voltage sampling wiring diagram

