

Genel

DGK-01C voltage control relays are designed to block monophase loads malfunctions arising from network.

Device Usage and Working Principle

To set the **high voltage value**, set the "U>" control knob to the desired value.

To set the **low voltage value**, set the "U<" control knob to the desired value.

To set the **delay time**, set the "t" control knob to the desired value.

The set values is displayed on the display when adjusting with the setting knobs. 2 seconds after releasing the set knob then on the display shows the measured voltage value.

If the voltage is between the set high "U>" and low "U<" voltage set values, the "Out" LED turns on and the relay is energised.

Protection Functions

High Voltage Protection - To enter the error state: If the voltage, goes above the high voltage set value, the "U>" LED is on, the device waits **3 seconds**, after the time has elapsed the relay gets de-activated and the "Out" LED is off.

High Voltage Protection - Exiting the error state: When the voltage drops below 5V of the high voltage set value, the device waits for the delay time "t". After the time passes, the "U>" LED is off, the relay gets de-activated and the "Out" LED is on.

Low Voltage Protection - To enter the error state: If the voltage goes below the low voltage set value, the "U<" LED is on, the device waits **3 seconds**, after the time has elapsed the relay gets de-activated and the "Out" LED is off.

Low Voltage Protection - Exiting the error state: When the voltage goes above 5V of the low voltage set value, the device waits for the reset time "t". After the time passes, the "U<" LED is off, the relay gets activated and the "Out" LED is on.

Relay States

Relay is Activated: 2 [COM] and 3 [NC] short circuit, 1 [NC] and 2 [COM] open circuit.

Relay is De-activated: 2 [COM] and 1 [NC] short circuit, 3 [NC] and 2 [COM] open circuit.

Warnings

-Please use the device according to the manual.

-Don't use the device in wet.

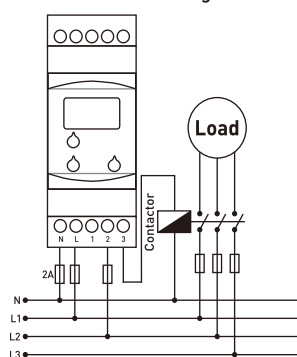
-Include a switch and circuit breaker in the assembly.

-Put the switch and circuit breaker nearby the device, operator can reach easily.

-Mark the switch and circuit breaker as releasing connection for device.

Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

Connection Diagram**Technical Specifications**

Operating Volt.(Un) : 220V AC

Operating Freq. : 50/60 Hz.

Operating Voltage : **110V-280V(L-N)**
Range

Operating Power : <6VA

Operating Temp. : -20°C.....+55°C

High Voltage Set : 230V - 280V

Low Voltage Set : 150V - 210V
110V - 210V (on the DGK-01W)

Delay Time(DT) : 0,1sec. - 60sec.

Trip Time(TT) : 3sec.(Fixed)

Display : 3x LEDs, 1x3 digit display

Connection Type : Assembled on the din rail.

Weight : 220gr.

Contact : 5A 250V AC Resistive Load

Operating Altitude : <2000m

Cable Diameter : 2,5mm²

Dimensions