

General

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

Use of Device and Working Principle

Make the connections of the device in accordance with connection scheme.

To Adjust High Voltage Set Value checking the value of display on the left, adjust the desirable value of (U>) button. Once you move the button, set value will be displayed.

To Adjust Low Voltage Set Value checking the value of display on the left, adjust the desirable value of (U<) button.

With the help of the button, the adjustment is displayed on the left display. 4 seconds later, displays show voltage values.

When the device is energized voltage value can be seen. Voltage High (U>) and low (U<) when its between normal set values relay led turns on and contact output gets into (NO3).when the high voltage gets over the set voltage value it waits 2 seconds stable and then relay led turns off and error led turns on. Contact output is NC1. When the voltage value gets under 4V it waits up to (t) time, relay led turns on error led turns off and the contact output is NO3.

When the Low voltage gets under set value it waits until (t) time and then relay led turns off and low voltage error led turns on. Contact output is NC1. When the voltage gets over 4V it waits until (t) time relay led turns on and low voltage error led turns off, contact out put is NO(3)

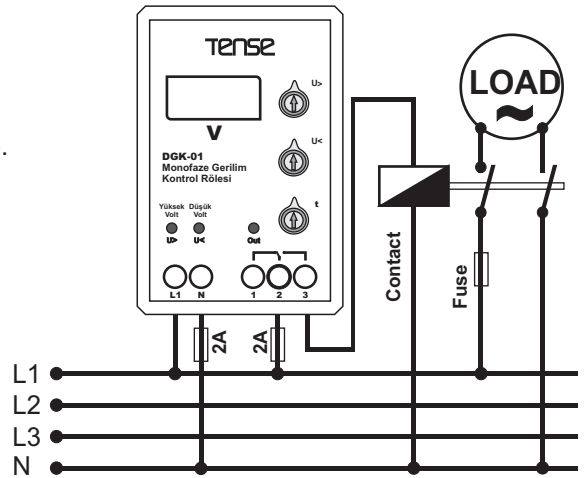
Maintenance

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.

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.

Connection diagram for DGK-01



Technical Specification:

- Working Voltage.....: 220V AC +1 neutral
 Working Frequency.....: 50/60 Hz.
 Working Range.....: Phase-Neutral(130V - 270V)
 Working Power.....: <6VA
 Working Temperature..: -20°C.....+55°C
 High Voltage Set.....: 230V - 260V
 Low Voltage Set.....: 140V - 210V
 Delay (t).....: 0,1sec. - 10sec.
 Display.....: 3 leds + 1x3digit display

Connection Diagrams: Vertical assembled in the panel or assembled on the din rail.

- Weight.....: 220gr.
 Contact.....: 5A 250V AC Resistive Load
 Working Altitude.....: <2000m
 Cable Diameter.....: 2,5mm²

Dimensions for DGK-01

