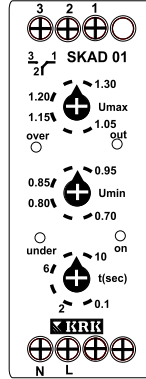
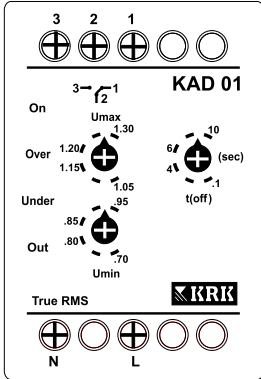


True RMS

UNDER & OVER VOLTAGE MONITORING DEVICE

KAD 01
SKAD 01



User Guide

UG-25/REV 00

General Specifications

The devices are used for mono phase systems, to protect systems from :

- Phase loss
- Under voltage
- Over voltage

Protection Functions

I- Phase Loss : If the system has lost of the phase, the output is closed without delay .

II- Under & Over Voltage Protection : Under & Over voltage tolerances can be adjusted seperately. If the phase-neutral voltage value is between the adjusted levels "out" led is on (2-3 contacts are closed). Otherwise device close the output(1-2 contacts are closed). During normal operation any of phase voltage value decreases under the adjusted value "under" led is on, increases over the adjusted value "over" led is on. If one of the phase is over the limit and one of the under the limit both "under" & "over" leds are on. If these condition continues more than adjusted delay time "out" led is off (1-2 contacts are closed). Related warning leds remain on. If these condition continues less than adjusted time , warning leds are off. Device operating normally.

III- If any of phase value increases over 1.5xUn or decreases under 0.5xUn device will closed the system without delay.

$$\text{Tolerance (\%)} = \frac{\text{Phase-Neutral value}}{\text{Phase-Neutral nominal value}} \times 100$$

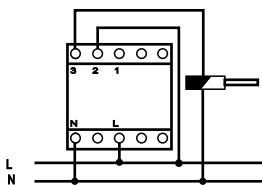
Technical Specifications

Supply Voltage	: 220 Vac ±%35, 50/60 Hz (L-N)
Under Voltage Tolerance	: %5...%30
Over Voltage Tolerance	: %5...%30
Delay (OFF) Time	: 0.1sec...10sec
Power Consumption	: < 7 VA
Ambient Temperature	: -5°C...+55°C
Contac Type	: Relay, 1 Inversor, 10A/ 250 Vac(Omron)
Electrical Connector	: PCB Clamp
Connection	: DIN 35 rail or Vertical Installation(Installation springs behind the box should be pushed outward to enable screwing).
Weight	: KAD 01 : 0,18 kg SKAD 01 : 0,12 kg

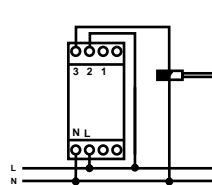
Connection Schemes

Monophase

KAD 01

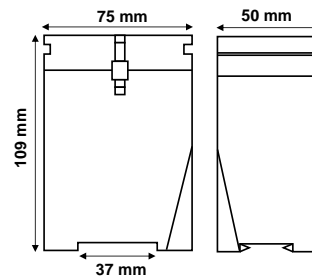


SKAD 01



Dimensions

KAD 01



SKAD 01

