

General specifications
The devices are used for single phase and three phase systems from : Phase loss, Phase sequence failure , Under voltage, Over voltage

Protection Functions

work Any case if the sequence is changed during normal operation the output is closed without delay. Umin, "and Umax," "leds are flashing. 1- Phase Sequence Failure : If the sequence of the phases are

2-Phase Loss: If the system has lost one of the phases, the output is closed without delay. And "Umin, "led is lighted. (If supply phase is lost all the leds is off).

Connection diagram

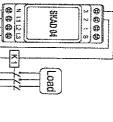
Is off. (1-2 contacts are closed). Related warning leds remain on. If these condition continues less than adjusted time, voltage value decreases under the adjusted value "Umin, "led is on, increases "Umax, "led is on, if on the phase is over the limit and one of the under the limit both Umin " and Umax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

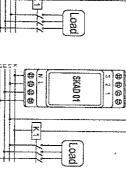
possible Note: If under and over buttons are off, Control is not warning leds are off. Device operating normally.

4- If any phases values decreases under 0.5xUn or increases over 1.5xUn device will closed the system without delay. Warning leds will light on accordingly. If phase value is big "Umax," led , if small "Umin, "led is on

5-if supply voltage (L1) drops under 150 V device will closed the system without delay. And "led is on...

6-t-off time: If phases values out of adjusted value, at the end of t-fl time "out" led is off and 1-2 contacts are closed. The fault led or leds during t-off time is on





SKAD 04: If phase sequence control is not desired "S" - "N" must be short-cut.