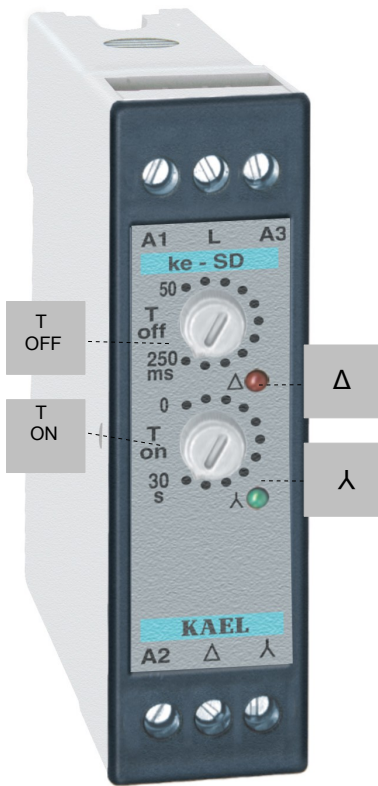


# ke - SD



## STAR - DELTA RELAY

- ▶ T (on) : 0 - 30 sec.
- ▶  $\lambda$   $\rightarrow$   $\Delta$  Delay time  
T (off) : 50 - 250 ms
- ▶ 230 Vac or 24 V ac/dc



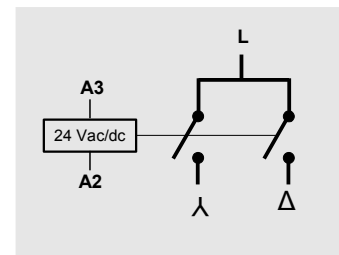
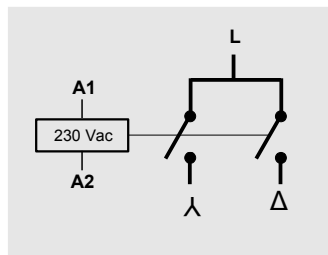
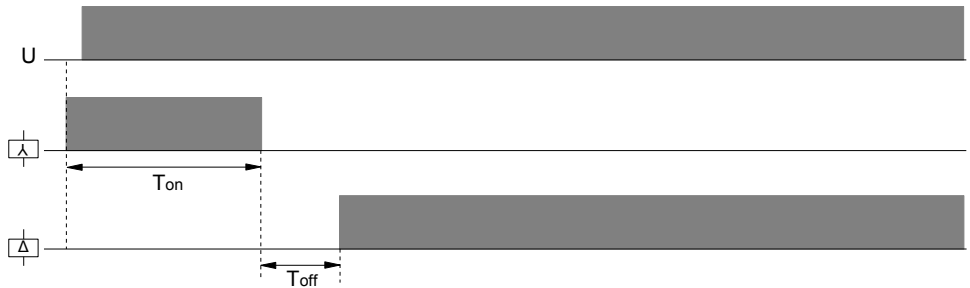
### General:

When 230 Vac is applied through "A1" and "A2" terminals, star relay is switched on and "λ" terminal becomes a phase output.

At the end of T(on) time, star relay is switched off and phase output from "λ" terminal lasts. It stops for T(off) pass time. Then delta relay is switched on and "Δ" terminal becomes a phase output. It keeps this position till the energy of the relay is broken.

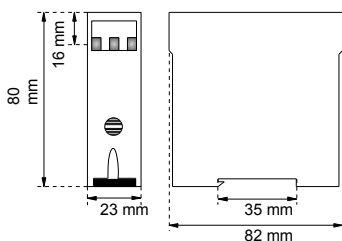
Because, the switch off time of the contactors depends on their power, brand and age, the pass time from star to delta should be adjusted by the user.

### Operation graphic:



### TECHNICAL DATA:

- Operational Voltage (Un) : 230 Vac
- A1 - A2 terminals : 230 Vac
- A3 - A2 terminals : 24 Vac or 24 Vdc
- Operating Range : (0.8 - 1.1) x Un  
(Un nominal voltage)
- Frequency : 50/60 Hz
- Contact Current : Max. 3 A / 240 VAC
- Power Consumption : < 8 VA
- Device Protection Class : IP20
- Connector Protection Class : IP00
- Ambient Temperature : -5°C...+50°C
- Connection Type : To connection rail in electrical panel
- Dimensions : 23x82x80 mm



### Simple Connection :

