FZK14

min ⏻ | DX | ▭ | **RS485** | ↔))))
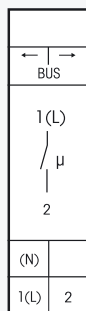

Function rotary switches

Standard setting ex works.

Time relay for card switch or smoke alarm, 1 NO contact potential free 16 A/250 V AC, incandescent lamps up to 2000 watts. Off-delay and response delay are adjustable. Bidirectional. Only 0.1 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting.
1 modul = 18 mm wide, 58 mm deep.

Connection to the Eltako-RS485 bus. Bus cross wiring and power supply with jumper.
Patented Eltako Duplex technology allows you to switch normally potential free contacts in zero passage switching when 230 V A/C voltage 50 Hz is switched. This drastically reduces wear. To achieve this, simply connect the N conductor to the terminal (N) and L to 1(L). This results in an additional standby consumption of only 0.1 watt.

N may not be connected if a contactor is switched downstream for the purpose of increasing performance.

The upper rotary switch AV is required for teach-in. Then set here the response lag time AV between 0 and 120 seconds for contact.

The middle rotary switch is required for teach-in. Then the device response after a power failure is defined here. In AUTO1 position the switching state is retained when power is restored; in AUTO2 position, the device is switched off in a defined mode.

The lower rotary switch RV sets the time-delay RV for the contact between 0 and 90 seconds in normal operation. Additionally specific confirmation telegrams can be sent to teach-in other actuators with the lower rotary switch.

Turn the rotary switch to ON1: confirmation telegrams (0x70) service card KCS was inserted
Turn the rotary switch to ON2: confirmation telegrams (0x30) guest card KCG was inserted
Turn the rotary switch to OFF: confirmation telegrams (0x50) card was removed

The confirmation telegrams will be taught-in into other acuators as 'central ON' (card inserted) and 'central OFF' (card removed), e.g. FSR14-4x.
In this application the contact of the FZK only connects the allocation of the controlled load circuits of the actuator connected to the confirmation telegrams.
This makes it possible to produce different lighting scenes for the service card KCS and the guest card KCG when inserting the according card.
Then the single channels of the actuator can be switched individually with the wireless pushbuttons.

The AV and RV times permit the simple control of lights and air conditioning systems with the wireless card switch FKF.

The response lag AV starts as soon as the card is inserted in the wireless card-operated door lock FKF and the time delay RV starts after the card is removed.

In addition to the wireless card switch FKF, wireless window/door contacts FTK, window handles and motion/brightness sensors FBH and FB65B can also be taught in.

Opening a monitored window also starts the RV time. When the RV time expires, contact opens. Closing all monitored windows starts the AV time. When the AV time expires, contact closes, if the card is inserted.

When motion/brightness sensors are used and the card is inserted, contact closes immediately motion is detected. If no motion is detected for 15 minutes the contact opens, even if the card is inserted.
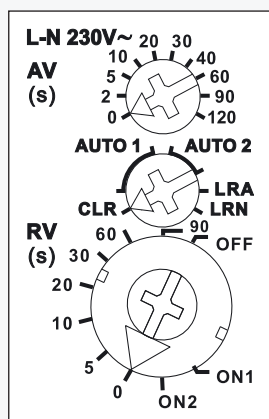
For light control and additional climate control with wireless window door contact two FZK14 have to be used, otherwise not only the air conditioning, but also the light would be switched off when window is open.

Several wireless smoke alarms FRW-ws are logically linked with this switch actuator time relay so that the RV time only starts after all FRW-ws devices have signalled alarm end.

Card switches and smoke alarms can not be operated together with an FZK device.

The LED below the upper function rotary switch performs during the teach-in process according to the operating instructions. It shows control commands by short flickering during operation.

Further settings can be made and actuators configured using the PC Tool PCT14.

FZK14	RS485 bus actuator Time relay	EAN 4010312313817	**43,90 €/pc.**