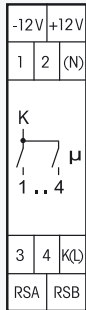


FSA12-12V DC



4-channel switching actuator ES/ER/EW, 1 NO contact per channel 4 A/250V AC, potential free from the power supply, with DX technology.

Only 0.1 watt standby loss.

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

Connection to the Eltako RS485 bus, terminals RSA and RSB.

Up to a total of 128 actuators can be added in this way.

Up to 35 pushbuttons each with 4 functions can be assigned to each channel of an FSA12, of which one or more central control pushbuttons in the setting ES.

The channels are configured together. Each NO contact has a switching capacity up to 4 A/250V AC. Incandescent lamps 1000 watts.

Patented Eltako Duplex technology (DX) allows you to switch normally potential free contacts in zero passage switching when 230V A/C voltage 50Hz is switched. This drastically reduces wear. To achieve this, simply connect the N conductor to the terminal (N) and L to K(L). This results in an additional standby consumption of only 0.1 watt.

If the channels are used to control switchgear that has no zero passage switching, (N) should not be connected, otherwise the additional off-delay would have the opposite effect.

The 12V DC supply voltage of the complete RS485 bus is mainly powered at 6W, 12W or 24W by a switch mode power supply unit SNT12-12V DC that is only 1 or 2 pitch units wide. When all 4 relays are switched on, a power of 0.7 watts is required.

The upper rotary switch defines the function of the 4 channels together as impulse switch with universal switch (ES-UT), as impulse switch with direction switch (ES-RT), as fleeting NO contact (EW) or as relay (ER).

In ES function, central control commands ON/OFF can be taught-in.

In EW function, a wiping time of 2 to 25 seconds can be set.

The middle and the lower rotary switches are for teaching-in the pushbuttons and if necessary the four channels will be tested. In normal mode, the two rotary switches are finally set to AUTO.

When **wireless motion/brightness sensors FBH** are taught-in, turn the top rotary switch to define the switching threshold on the last FBH taught-in. This switches the sensor on or off in case of motion detected or dependent on the brightness detected (from approx. 30 lux in position RT to approx. 300 lux in position 25).

If the FBH is taught-in in position ER, it is only evaluated as motion detector.

An off delay of 1 minute is a fixed setting in the FBH.

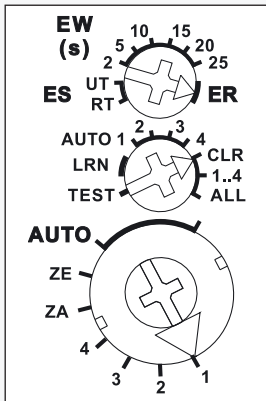
When **wireless window/door contacts FTK** are taught-in, different functions can be set with the middle rotary switch in position AUTO 1 to AUTO 4 and linked to maximum 32 FTKs: AUTO 1 = window closed then output active. AUTO 2 = window open then output active. In settings AUTO 3 and AUTO 4 the FTKs taught-in to a single channel are linked automatically. With AUTO 3 all FTKs must be closed so that the N/O contact closes (e.g. for climate control). With AUTO 4 one open FTK is sufficient to close the N/O contact (e.g. for an alarm signal or to switch on the power supply for an extractor hood).

One or several FTKs can be taught-in in several channels to allow several simultaneous functions in each FTK.

After a power failure the link is restored by a new signal to the FTK and a signal on the next status message 15 minutes later.

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

Function rotary switches



Standard setting ex works.

Connection example page 4-0.

Technical data, see page T-0.

Housing for operating instructions

GBA12 page Z-4.