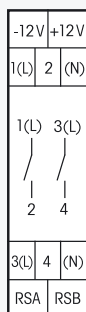


FSR12-12V DC



RS485



2-channel switching actuator ES/ER/EW impulse switch with integrated relay function, 1+1 NO contacts potential free 4 A/250V AC, incandescent lamps 1000 watts, 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 which one or more central control pushbuttons in the setting ES.

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 1(L) and/or 3(L). This results in an additional standby consumption of only 0.1 watt.

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 both relays of the FSR12 are switched on, 0.5 watts are required.

The upper rotary switch defines the function of the 2 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 two 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, use the top rotary switch to select the switching threshold separately for each channel. The switching threshold switches the lighting on or off depending on the brightness (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 outdoor brightness sensors FAH60** are taught-in, use the top rotary switch to select the switching threshold separately for each channel. The switching threshold switches the lighting on or off depending on the brightness (from approx. 0 lux in position RT to approx. 50 lux in position 25). A hysteresis of approx. 300 lux is permanently set for switch on/off.

In operation, FBH and FAH perform the switch on/off function in function position ES. In function position ER, FBH and FAH generate a switch-on wiping impulse of 0.2 seconds.

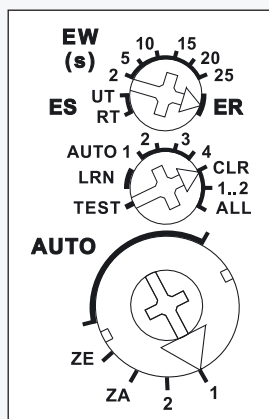
When **wireless window/door contacts FTK** are taught-in, different functions can be set with the middle rotary switch in position AUTO 1 to AUTO 4 and linked to maximum 32 FTKs: AUTO 1 = window closed then output active. AUTO 2 = window open then output active. In settings AUTO 3 and AUTO 4 the FTKs 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.

FSR12-12V DC

RS485 bus switching actuator

EAN 4010312301425

43,40 €/pc.

Recommended retail prices excluding VAT.