

FSB12-12V DC



**2-channel switching actuator for two 230V motors,
2+2 NO contact 4 A/250V AC, potential free from power supply 12V.
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 maximal assigned to each channel, of which one or more central pushbuttons.

Zero passage switching to protect contacts and motors.

A motor is connected to 1, 2 and N; a second motor may be connected to 3, 4 and N.

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. If both relays of the FSB12 are switched on, a power of 0.5 watts is required.

The pushbuttons can be taught-in either as direction switches or universal switches:

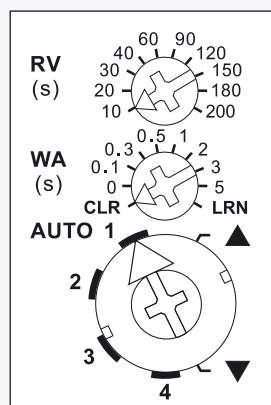
Local control with universal pushbuttons: Each impulse causes the FSB12 to change its position in the UP-Stop-DOWN-Stop sequence.

Local control with direction pushbutton: A top impulse by pushbutton directly activates the 'UP' switch position. A bottom impulse by pushbutton directly activates the 'DOWN' switch position. A further impulse from one of the two pushbuttons stops the sequence immediately.

Central control dynamic without priority: A control signal from a pushbutton with rocker or double rocker which was taught-in as a central control direction pushbutton directly activates the switch position 'Up' with a scanning pulse up and the switch position 'Down' with a scanning pulse down. A further control signal interrupts this process immediately. Without priority because this function can be overridden by other control signals.

Central control dynamic with priority: A control signal of min. 2 seconds from a pushbutton which was taught-in as a central control pushbutton with priority directly activates the switch position 'Up' with a scanning pulse up and the switch position 'Down' with a scanning pulse down. With priority because these control signals cannot be overridden by other control signals **until** an impulse is cancelled by pressing pushbutton 'Up' or 'Down' before pressing the central control pushbutton.

Function rotary switches



Standard setting ex works.

Shading scene control: Up to 4 saved 'Down' running times are retrievable using the control signal of a pushbutton and double rocker taught-in as a scene pushbutton or taught-in by a PC loaded with the FVS software.

Function rotary switch below

AUTO 1 = In this position, the local advanced automatic reversing system for Venetian blinds is activated. When a universal pushbutton or a direction pushbutton are used for control a double impulse activates a slow rotation in the opposite direction, which can be stopped with a further impulse.

AUTO 2 = In this position, the local advanced automatic **reversing system for Venetian blinds** is completely switched off.

AUTO 3 = In this position, the local pushbuttons act static at first, thus, allow **reversal of Venetian blinds** by operating pushbuttons. They only switch to dynamic after 0.7 seconds continuous operation.

AUTO 4 = In this position, the local pushbuttons act only static (ER function). The time delay RV (wiping time) of the upper rotary switch is active. Central control is not possible.

▲▼ = ▲ (UP) and ▼ (DOWN) of the lower rotary switch are the positions for **manual control**. Manual control has priority over all other control commands.

WA = Automatic reversal for Venetian blinds and awnings is controlled by the middle rotary switch. 0 = OFF, otherwise from 0.1 to 5 seconds ON with the selected reversal time. In this case, it is only for DOWN that the direction is reversed on time-out of the time lag selected by the top rotary switch, e.g. to extend awnings or set Venetian blinds to a defined position. A LED is located behind the RV-rotary switch to show the reversal time.

RV = The time delay (delay time RV) is set by the top rotary switch. If the FSB12 is in the UP or DOWN position the selected delay time runs (elapses); at time-out the device changes automatically to STOP. Therefore, the time delay must be chosen at least as long as the shading element or roller shutter will need to move from one limit position to the other. The LED indication for the delay time RV is located behind the rotary switch RV.

When one or several wireless window/door contacts FTK or Hoppe window handles are taught-in, a lock-out protection is set up while the door is open and disables a Central Down command.

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.

Connection example page 4-0. Technical data, see page T-0. Housing for operating instructions GBA12 page Z-4.

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RS485 bus switching actuator B+R

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51,90 €/pc.

Recommended retail prices excluding VAT.