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Eltako ELECTRONICS

RS485 bus connector FBV12-12 V DC

CE

Bus connector for the Eltako RS485 bus. Only 0.1 watt standby loss.

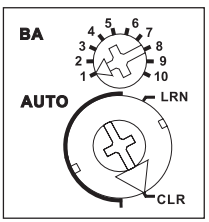
Modular device for DIN-EN 60715 TH35 rail mounting.
1 module = 18 mm wide, 58 mm deep.

The bus connector transmits up to 35 selected and taught-in signals from an Eltako RS485 bus to another Eltako RS485 bus. In this way, signals can be transmitted over large distances with a 2-wire bus to avoid using a repeater to transmit more remote sensing signals to their associated switching actuators, for example for central control commands spanning several floors.

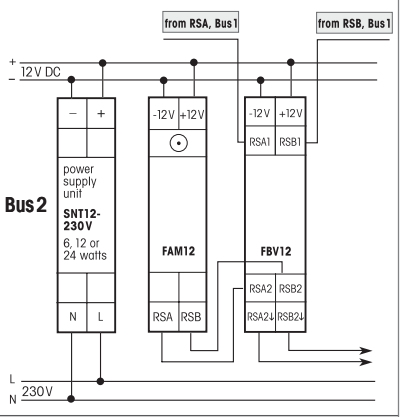
The bus connector must be installed behind its FAM12 according to the connection example in bus 2 because the bus 2 bus lines RSA and RSB must be looped through the bus connector.

The sensors, whose signals are to be transmitted from bus 1 to bus 2 must first be taught-in in the bus connector before they are additionally taught-in in the corresponding actuators in bus 2, according to their operation manuals.

Function rotary switches



Typical connection



Bus 1 signals are tapped by RSA/RSB and transmitted directly to the antenna module FAM12 in **Bus 2.**

Teaching-in bus connector FBV12

The teach-in memory is empty on delivery from the factory. If you are unsure whether the teach-in memory contains something or not, you must first **clear the memory contents completely:**
Set the bottom rotary switch to 'CLR'.
The LED flashes at a high rate. Within the next 10 seconds, turn the upper rotary switch three times to the right stop (turn clockwise) and then turn back away from the stop.
The LED stops flashing and goes out after 2 seconds. All taught-in sensors are cleared.

Clear individual taught-in sensors:
Set the bottom rotary switch to 'CLR'.
The LED flashes at a high rate. Then operate the sensor. The LED stops flashing and goes out after 2 seconds.

Teaching-in sensors

1. Set the bottom rotary switch to 'LRN'. The LED flashes at a low rate.
2. Operate the sensor to be taught-in. The LED goes out. A transmitter module (one fitted in FT4 and FMH, 2 in FHS8 and 3 in FHS12) need only be operated once at any location.

To teach-in further sensors, turn the bottom rotary switch briefly away from position 'LRN'. Continue the procedure from pos 1.

After teaching-in the sensors also acting on Bus 2, set the bottom rotary switch to 'AUTO' and the top rotary switch to 1.

Now the sensors can also be taught-in in the associated actuators of Bus 2 as described in the relevant operating instructions.

When an actuator is ready for teach-in (the LED flashes at a low rate), the very next incoming signal is taught-in. Therefore, make absolutely sure that you do not activate any other sensors during the teach-in phase.

Important reminder!

This electrical equipment may only be installed by skilled electricians otherwise fire hazard or danger of electric shock exists!

08/2009 Subject to change without notice.