

Pushbutton input module



FTS12EM-UC

Pushbutton input module for the Eltako RS485 bus, 10 control inputs for universal control voltage. Only 0.3 watt standby loss.

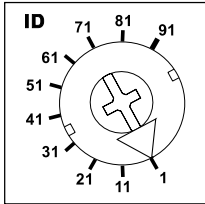
Modular device for DIN-EN 60715 TH35 rail mounting.
2 modules = 36mm wide, 58mm deep.

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

5 control inputs may be connected to different potentials since they are electrically isolated. Control voltage 8 to 253V AC or 10 to 230V DC.

A 12V DC voltage is supplied from a switching power supply unit SNT12-12V DC which has a width of only 1 module.

ID rotary switch



The rotary switch assigns a separate ID range to a maximum of 10 FTS12EM's.

- 1 = ID 1-10
- 11 = ID 11-20
- 21 = ID 21-30
- etc.

One FAM12 wireless antenna module and up to 10 FTS12EM pushbutton input modules and timers FSU12D per FAM12 may be switched in series to the RS485 bus.

The wireless antenna module FAM12 must then be connected **upstream** of the FTS12EM.

An ID from the above listed range is assigned to each pushbutton during teach-in as specified in the user's manual for each actuator.

If two pushbuttons are defined as direction switch, the two pushbuttons must be taught-in as direction switches in an actuator. Control inputs are then defined in pairs for the direction 'ON', 'central ON', 'UP' and 'BRIGHTER' and control inputs 'OFF', 'central OFF', 'DOWN' and 'DARKER': A1/A3, A4/A5, A6/E6, E1/E3 and E4/E5.

The LED under the rotary switch flashes once if a connected pushbutton is operated.

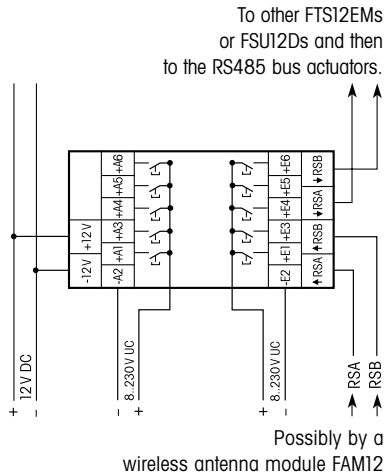
If the lines of the RS485 bus are longer than 2m, a terminal resistor of approx. 220 ohms must be connected **to the last actuator** under the terminal RSA/RSB.

Control current at 8/12/24V AC/DC:
2.5/4/9mA.

Control current at 230V AC/DC (< 5s):
5(100)mA.

Max. parallel capacitance (approx. length) of control lead at 230V AC:
0.9 µF (3000m)

Typical connection



Important Note!

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock.