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30 000 050 - **3**

Eltako ELECTRONICS

Pushbutton input module FTS12EM-UC

CE

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

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

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 = 36 mm wide, 58 mm deep.

Direct Connection to the Eltako RS485 Bus Series 12, to terminals RSA and RSB, or to the Eltako RS485 Bus Series 14 with the Gateway FGW14.

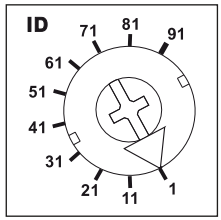
5 control inputs may be connected to different potentials since they are electrically isolated. Control voltage 8 to 253 V AC or 10 to 230 V DC.

The 12 V DC power supply comes with a 1 module wide switching power supply unit FSNT12-12V/12W, unless there is a FAM14 available for power supply.

Series 12: 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.

Series 14: Up to 10 units of FTS12EM can be connected with the FGW14.

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.

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.

A1, A6 and E1 ≙ wireless pushbutton right upper part

A3, E3 and E6 ≙ wireless pushbutton right bottom part

A4 and E4 ≙ wireless pushbutton left upper part

A5 and E5 ≙ wireless pushbutton left bottom part

From production week 30/11 two scene pushbuttons with 4 scenes can be taught-in into the Eltako wireless network with this pushbutton input module.

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

If the lines of the RS485 bus are longer than 2 m, a terminating resistor of about 220 ohms has to be clamped **to the last actuator** of Series 12 under the terminal RSA/RSB or a terminating resistor has to be plugged in for Series 14.

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

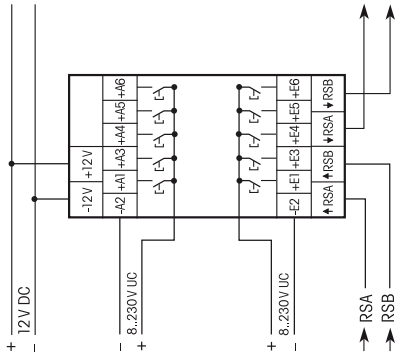
Control current at 230 V AC/DC (< 5 s): 5 (100) mA.

Maximum parallel capacitance (approx. length) of the control line at 230 V AC: 0,9 µF (3000 m).

This pushbutton input module is not only used as a supplement to the Eltako wireless network to enter signals to the RS485 bus next to the wireless antenna module, but is also the basic unit for the remote switch system FTS12.

Typical connection

To other FTS12EMs
or FSU12Ds and then
to the RS485 bus actuators.



Possibly by a
wireless antenna module FAM12

Must be kept for later use!
We recommend the housing for operating instructions GBA12.

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01/2013 Subject to change without notice.