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Eltako ELECTRONICS

Bus flat pushbutton B4FT65
Bus pushbutton B4T65

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%.

Bus switch 84x84 mm external for connection to FTS14TG pushbutton gateway. Pure white, glossy.
Only 0.2 watt standby loss.

B4FT65 bus 4-way flat pushbutton in E-design, only 11 mm high.

B4T65 bus 4-way pushbutton in E-design, only 16 mm high.

The scope of supply comprises the R1E frame including snapped-on electronics, a flat rocker and a flat double rocker (all the same colour).

The double rocker permits entry of 4 evaluable signals, but the rocker allows only 2 signals.

At the rear, a 20 cm long red/black bus line is routed externally.
Red terminal to BP, black to BN.

Up to 30 bus switches and/or FTS61BTK pushbutton bus couplers can be connected to terminals BP and BN of an FTS14TG pushbutton gateway. The permitted maximum line length is 200 m. The RLC device enclosed with the FTS14TG must also be connected to the terminals BP and BN on the bus switch or pushbutton bus coupler furthest away.

A voltage of 29 V DC is supplied to the connected B4T65 over a 2-wire bus which is also used for data transfer.

Please use only conventional bus or telephone lines.

Confirmation telegrams from actuators are displayed by 4 yellow LEDs when the actuator IDs are entered by the PCT14 in the ID table of the FTS14TG.

Use the sleeves in the 55 mm socket box for screw mounting.

Installation: Screw on mounting plate. First snap on the electronics, then the frame. When you fit the rocker, the 0 mark on the rear must always be on top.

We recommend stainless-steel countersunk screws 2.9x25 mm, DIN 7982 C, for screw connections.

Both with rawl plugs 5x25 mm and with 55 mm switch boxes.

Rocker:
top sends 0x70
bottom sends 0x50

Double rocker:
top left sends 0x30
bottom left sends 0x10
top right sends 0x70
bottom right sends 0x50

Operating mode rotary switches of the FTS14TG:
Pos. 2, 3, 4: Every pushbutton of the B4T65 has the same ID.

Recommended setting for ES functions with direction pushbutton.

Pos. 5, 6, 7: Every pushbutton of the B4T65 has a separate ID.

Prescribed setting with ER functions.

Issue device address for B4T65:
1. Connect the first B4T65 to the BP and BN bus terminals.
   The LED on the B4T65 lights up red.
2. Turn the rotary switch on the FTS14TG to Pos. 1.
   After the FTS14TG issues the address, its lower LED lights up green.
3. Turn the rotary switch on the FTS14TG to Pos. 2 to 7.
   The LED on the B4T65 lights up green.
4. Only then connect the second B4T65 and repeat the procedure from 2, etc.

A device address 0 (as-delivered state) can only be issued to one B4T65.

The address is always issued in ascending order 1-30.

When a B4T65 is replaced and the rotary switch on the FTS14TG is turned to Pos. 1, the new B4T65 automatically receives the same device address and the system runs as before without requiring further teach-in.

Clear device address of a B4T65:
1. Connect only one B4T65 to the BP and BN bus terminals.
   The LED on the B4T65 lights up green.
2. Turn the rotary switch on the FTS14TG to Pos. 9.
   After the device is cleared, the lower LED on the FTS14TG lights up green and the LED on the B4T65 lights up red.

LED display:
LEDs off: There is no power supply over the 2-wire bus.

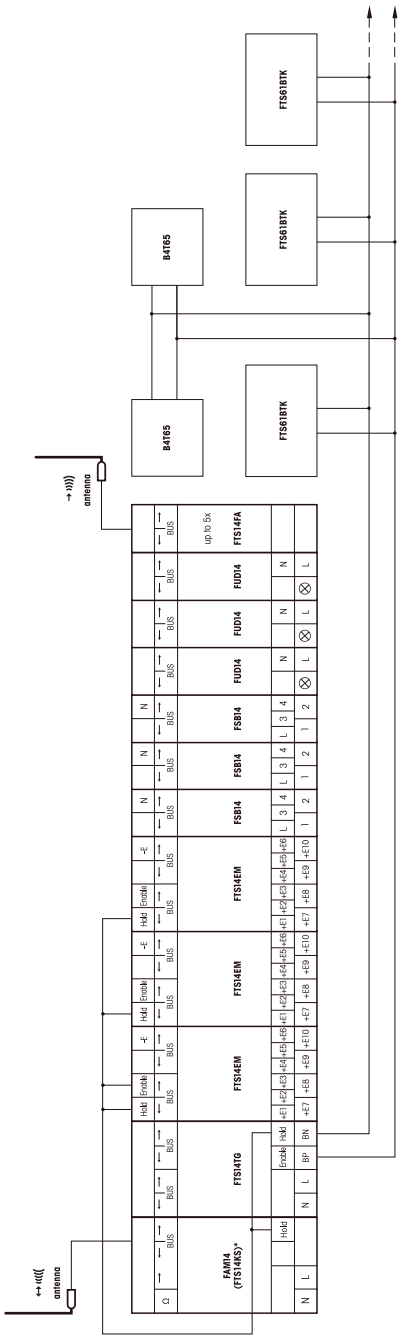
Red LED lights up: Power is supplied over the 2-wire bus. The B4T65 has no device address yet or the bus is defective.

Green LED lights up: B4T65 has a device address and is ready to operate.

Use a jumper to disable the green LED off.

For the B4FT65 pushbutton lighting a jumper to enable can be used.

Typical connection



* alternatively FTS14KS without bidirectional wireless

The second terminating resistor supplied with the FAM14 or FTS14KS must be plugged into the last bus user. Use the PCT14 PC tool to make additional actuator setting options for conventional pushbuttons. An FTS14TG pushbutton gateway can be connected decentrally to up to 30 B4T65 bus switches and FTS61BTK pushbutton bus couplers each with 4 pushbutton inputs. A single 2-wire line supplies the pushbutton bus coupler with power and also transfers the pushbutton data. The user may select any topology for the 2-wire connection.

Must be kept for later use!

Eltako GmbH

D-70736 Fellbach

Technical Support English:
☎ Michael Thünte +49 176 13582514
✉ thuente@eltako.de
☎ Marc Peter +49 173 3180368
✉ marc.peter@eltako.de

eltako.com

35/2017 Subject to change without notice.