Eltako B4T55 Bus Push Button Instructions

Contents

Eltako B4T55 Bus Push Button

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

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

Bus pushbutton for single mounting 80x80x15 mm. For connection to the FTS14TG pushbutton gateway. Only 0.2-watt standby loss.
2-way- or 4-way pushbutton B4T55/B4T55E, only 15 mm high. The scope of supply comprises a mounting base, an attachment frame with snapped-on electronics, a frame, a rocker and a double rocker. 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 of a pushbutton gateway FTS14TG. Up to 30 bus switches and/or FTS61BTK push-button bus couplers can be connected to terminals BP and BN of an FTS14TG push-button 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 B4 over a 2-wire pushbutton bus which is also used for data transfer. Please use only conventional bus or telephone lines. Confirmation telegrams from actuators are displayed by 4 resp. 2 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 attach the frame and then snap on the mounting frame with the electronics (labeling 0 must be above). When you fit the rocker, the 0 mark on the rear must always be on top. We recommend stainless-steel counter-sunk screws 2.9×25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5×25 mm and with 55mm 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 B4T55/B4T55E has the same ID.
- Recommended setting for ES functions with direction pushbutton.
- Pos. 5, 6, 7: Every pushbutton of the B4T55/B4T55E has a separate ID.
- Prescribed setting with ER functions.

Issue device address for B4T55

1. Connect the first B4T55/B4T55E to the BP and BN bus terminals. The LED on the B4T55/B4T55E 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 B4T55/B4T55E lights up green.
4. Only then connect the second B4T55/B4T55E and repeat the procedure from 2, etc.

A device address 0 (as-delivered state) can only be issued to one B4T55/B4T55E. The address is always issued in ascending order 1-30. When a B4T55/B4T55E is replaced and the rotary switch on the FTS14TG is turned to Pos. 1, the new B4T55/B4T55E automatically receives the same device address and the system runs as before without requiring further teach-in.

Clear device address of a B4T55/B4T55E

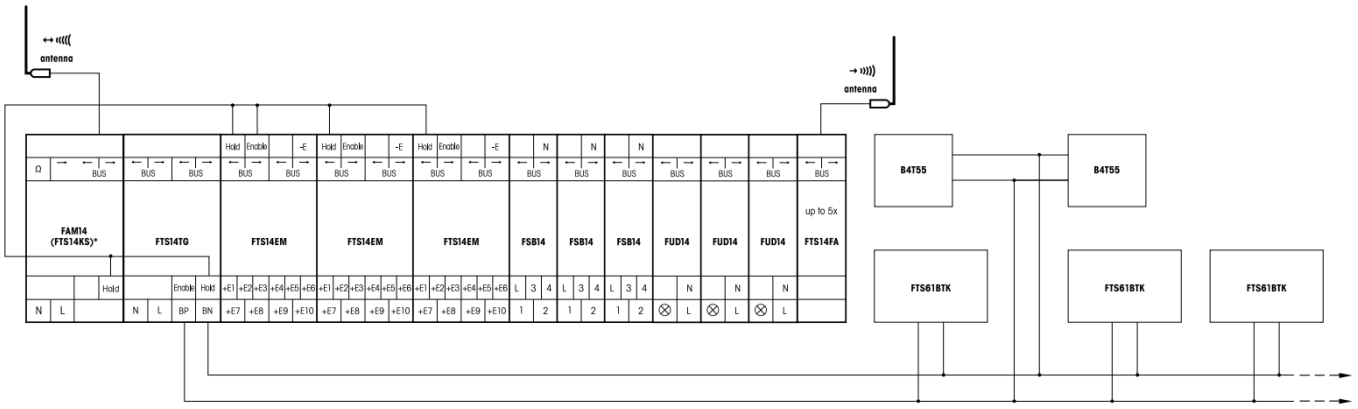
1. Connect only one B4T55/B4T55E to the BP and BN bus terminals. The LED on the B4T55/B4T55E lights up green.
2. Turn the rotary switch on the FTS14TG to Pos. 9. After the device is cleared, the lower LED on the FTS14TG lights up green and the LED on the B4T55/B4T55E lights up red.

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 B4T55/B4T55E has no device address yet or the bus is defective.
- **Green LED lights up:** B4T55/B4T55E has a device address and is ready to operate. Use a jumper to disable the green LED off.

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 B4T55/B4T55E 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. 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.

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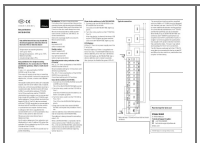
40/2021 Subject to change without notice.

Documents / Resources

	Eltako B4T55 Bus Push Button [pdf] Instructions B4T55, B4T55E, Bus Push Button, Bus Button, Push Button, B4T55, Button

References

- Home » Eltako