GB CE

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Eltako

Pushbutton bus coupler

FTS61BTK/8

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 bus coupler FTS61BTK/8 for 8 conventional pushbuttons for connection to pushbutton gateways FTS14TG via a 2-wire pushbutton bus.
Only 0.4 watt standby loss.
For installation. 45mm long, 45 mm wide, 18 mm deep.

Up to 15 FTS61BTK/8 bus pushbutton couplers (= 30 bus pushbuttons) can be connected to terminals BP and BN of a pushbutton gateway FTS14TG.

The permissible total cable length is 200 m. The RLC element included with the FTS14TG must also be connected to the BP and BN terminals on the bus button or bus push button coupler that is furthest away.

The power supply of the connected FTS61BTK/8 with 29 V DC and the data transmission at the same time takes place via the 2-wire button bus. Please only use standard bus or telephone lines.

Up to 8 conventional buttons T1-T8 can be connected to the 15 cm long connection lines. The opposite pole is always T0.
The connecting cables can be extended up to 2 m.

Caution: Do not apply any voltage.

The pairs T1/T3, T2/T4, T5/T7 and T6/T8 can be defined as direction buttons.
The bus is connected to BP and BN.

Observe polarity!

The 8 conventional buttons are connected to the red and yellow connection lines T1-T8 and the common blue T0.

With an FTS14FA in the Eltako RS485 bus, the button telegrams of the FTS61BTK/8 are also sent to the Eltako wireless network.

Buttons T1 and T5 each send 0x30
Buttons T2 and T6 each send 0x70
Buttons T3 and T7 each send 0x10
Buttons T4 and T8 each send 0x50

Betriebsarten-Drehschalter des FTS14TG:
Pos. 2, 3, 4: Every pushbutton of the FTS61BTK/8 has the same ID. Recommended setting for ES functions with direction pushbutton.

Pos. 5, 6, 7: Every pushbutton of the FTS61BTK/8 has a separate ID. Prescribed setting for ER functions.

A device address can only be assigned to an FTS61BTK/8 with device address 0 (delivery status). the Addresses are always assigned in ascending order 1-30.

If an FTS61BTK/8 is exchanged and the rotary switch on the FTS14TG is turned to position 1, the new FTS61BTK/8 automatically receives the same device address and the system runs as before without any further programming.

Issue device address for FTS61BTK/8:
Each FTS61BTK/8 has 2 device addresses!

1. Remove the right jumper on the FTS61BTK/8.
2. Connect the first FTS61BTK/8 to the bus terminals BP and BN of the FTS14TG.
   The upper LED in the FTS61BTK/8 lights up red if the FTS61BTK/8 does not yet have a device address.
3. Turn the rotary switch on the FTS14TG to position 1.
   After the 1st address has been assigned by the FTS14TG, its lower LED lights up green.
4. Turn the rotary switch on the FTS14TG to positions 2 to 7.
   The top LED in the FTS61BTK/8 lights up green.
5. Only then plug in the right jumper on the FTS61BTK/8.
   The lower LED in the FTS61BTK/8 lights up red if the FTS61BTK/8 does not yet have a device address.
6. Turn the rotary switch on the FTS14TG to Pos. 1
   After the 2nd address has been assigned by the FTS14TG, its lower LED lights up green.
7. Turn the rotary switch on the FTS14TG to pos. 2 to 7.
   Both LEDs in the FTS61BTK/8 light up green if it has two device addresses.
8. Only then also connect the second FTS61BTK/8 and start again at 1.

Clear device address of an FTS61BTK/8:

1. Connect only one FTS61BTK/8 to the Bus Terminals BP and BN of the FTS14TG.
   The two LEDs in the FTS61BTK/8 light up green if the FTS61BTK/8 has two device addresses.
2. Remove the right jumper on the FTS61BTK/8.
3. Turn the rotary switch on the FTS14TG to position 9.
   After the 1st address has been deleted, the lower LED of the FTS14TG lights up green and the upper LED in the FTS61BTK/8 lights up red.
4. Only then remove the left jumper and insert the right jumper on the FTS61BTK/8.
5. Turn the rotary switch on the FTS14TG to position 9.
   After the 2nd address has been deleted, the lower LED of the FTS14TG lights up green and the lower LED in the FTS61BTK/8 lights up red.
6. Reconnect both jumpers, both LEDs in the FTS61BTK/8 light up red.

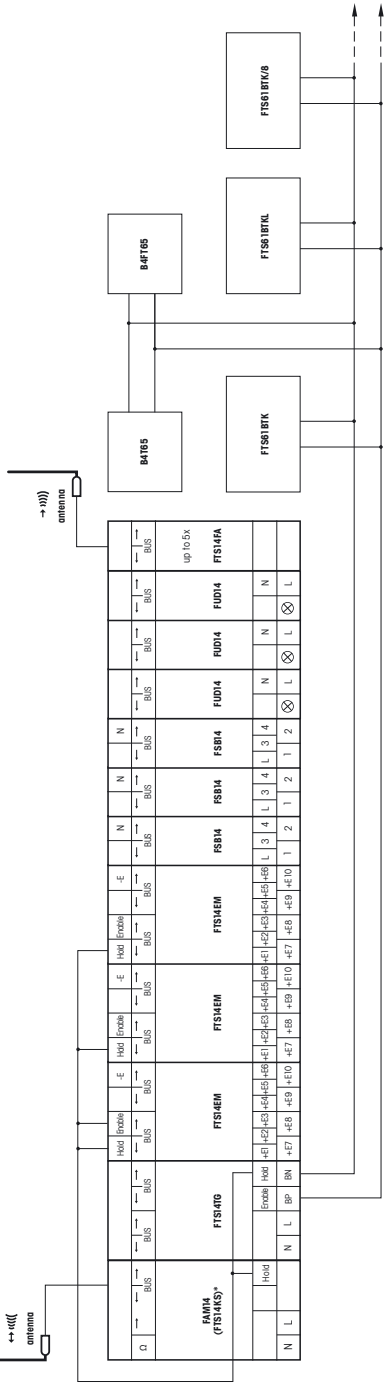
LED display:

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

LED lights up red: Power is supplied over the 2-wire bus. The FTS61BTK/8 has no device address yet or the bus is defective.

LED lights up green: FTS61BTK/8 has a device address and is ready to operate.

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 push-buttons. An FTS14TG pushbutton gateway can be connected decentrally to up to 30 B4T65, B4FT65 bus switches and FTS61BTK, FTS61BTKL, FTS61BTL/8 pushbutton bus couplers each with 4 or. 8 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:
☎ +49 711 943 500 25
✉ technical-support@eltako.de
eltako.com

13/2022 Subject to change without notice.