



30 000 295 - 1, 30 000 296 - 1,



Bus pushbutton B4T55/B4T55E

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 pushbutton for single mounting 80x80x15 mm. For connection to FTS14TG pushbutton gateway. Only 0.2 watt stand- by 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
pushbutton 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 (labelling
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 2.9x25 mm, DIN 7982 C, for
screw connections.

Both with rawl plugs 5x25 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:

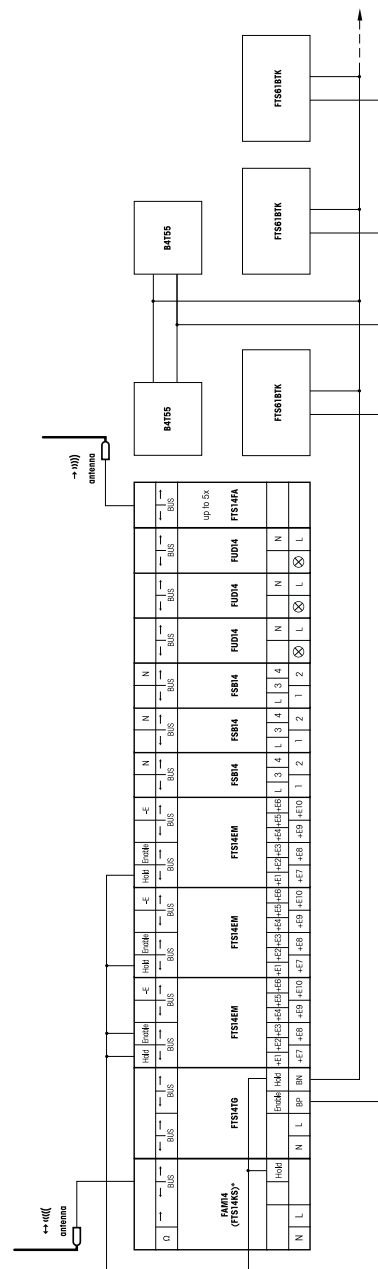
LEDs off: There is no power supply over the
2-wire bus.

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.

Must be kept for later use!

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