KE KELIT®
CLIMATE CONTROL SYSTEMS

VOGEL&NOOT

Assembly Instructions

INTRATHERM
Underfloor Convection

Installation of INTRATHERM Underfloor Convector

1. Cavity in the floor with the following dimensions

- Width + min. 80 mm
- Length + min. 40mm
- Height + 10mm (measured from finished floor, floor covering)

2. Prepare the convector for installation by placing the anchors with the screws in the holes provided, as well as breaking the piping and cable entry holes.

3. Place the tub in the cavity on the unfinished floor and adjust it with the help of the adjusting screws so that the upper edge of the convector is at the height of the floor incl. Cover (Caution: When using the Z-frame the tub is 3 to 5 mm below the level of the finished floor).

4. To reduce noise and heat insulation use a floor insulation.

5. Connect the heat exchanger to the piping and complete the electrical installation.

6. In wet room design, connect the outlets on the bottom of the tank to the drain.

7. Do another pressure test and test the function of the fans

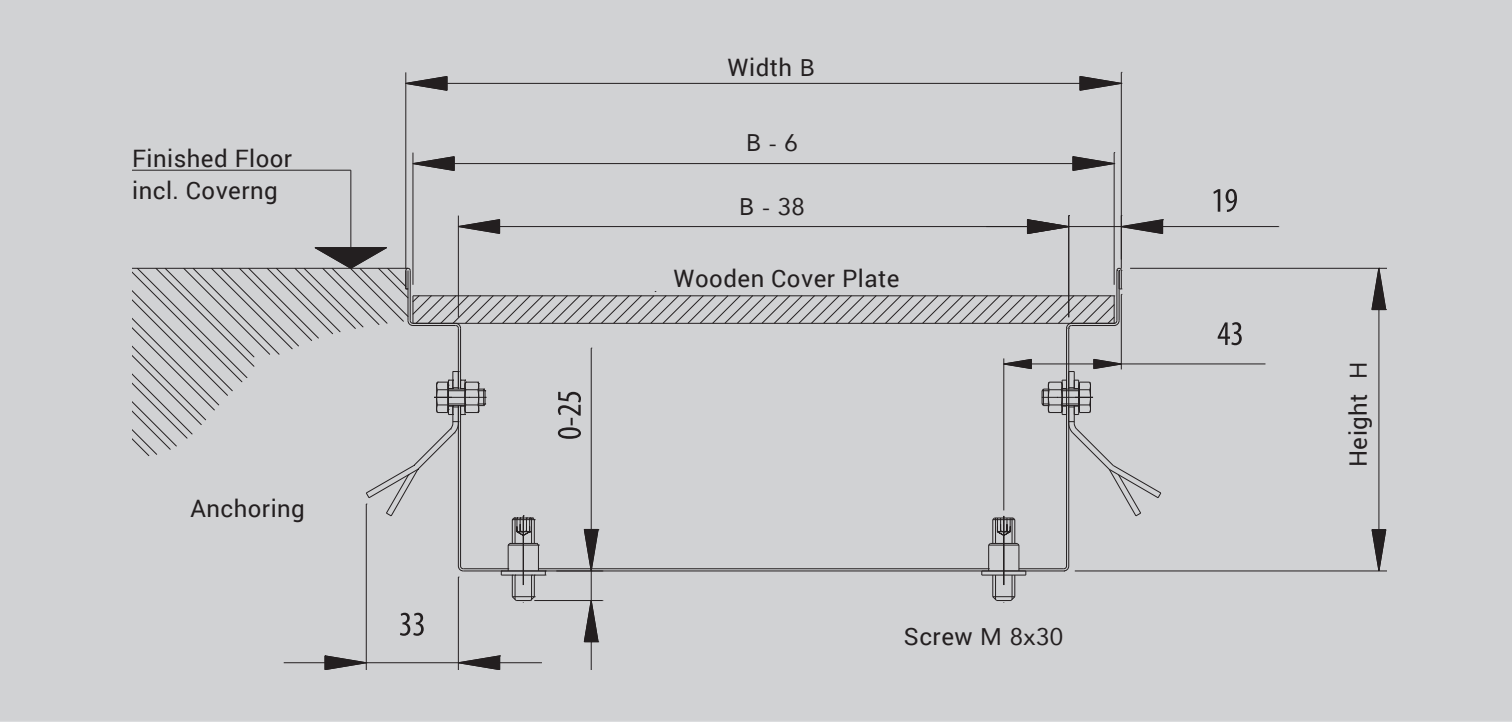
8. Check again the correct position of the tub

9. Then concrete the tub

10. Only remove the wooden cover plate when all work has been completed

11. Place the grate on the convector

Illustration 1



Recommended Installation of the Convector

Illustration 2

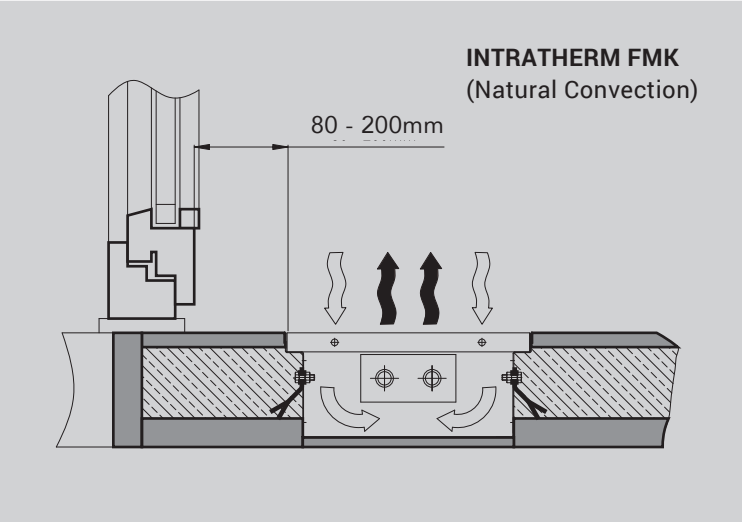
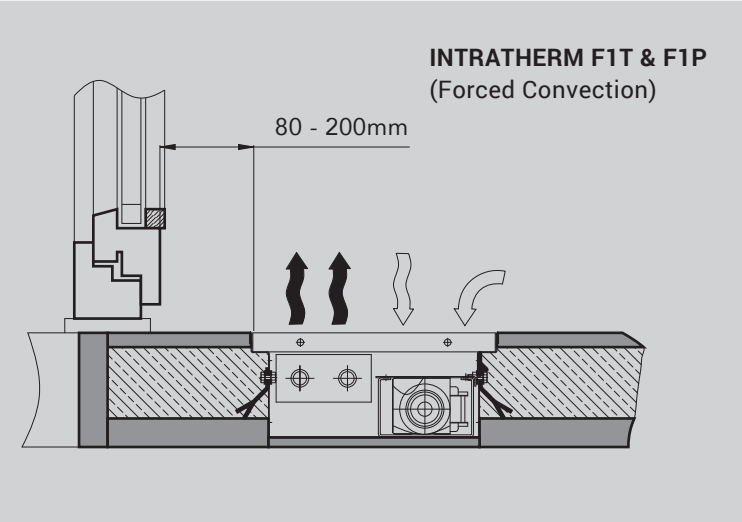


Illustration 3



Connection Examples

Illustration 4

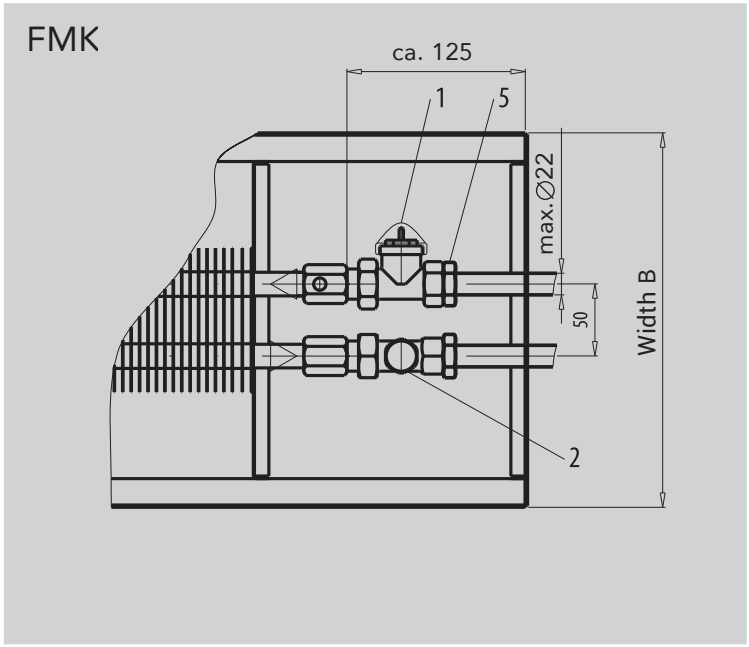


Illustration 5

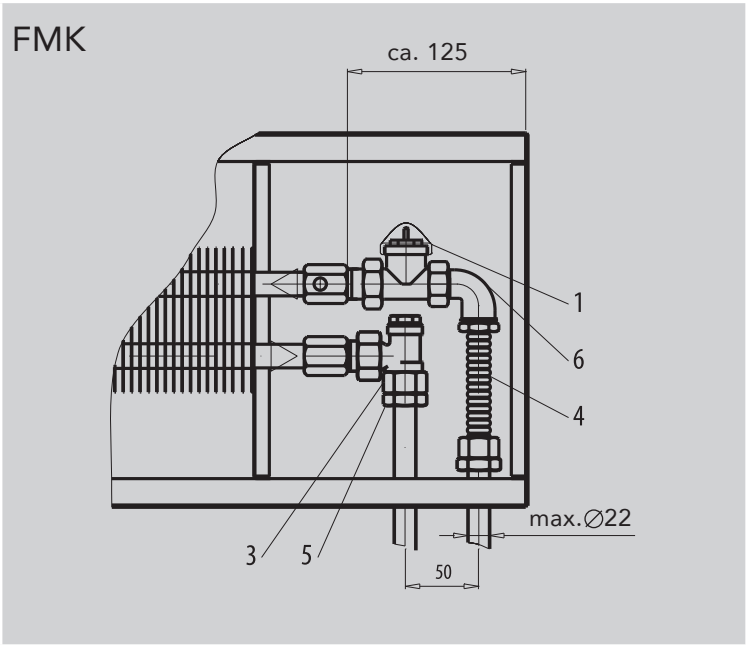
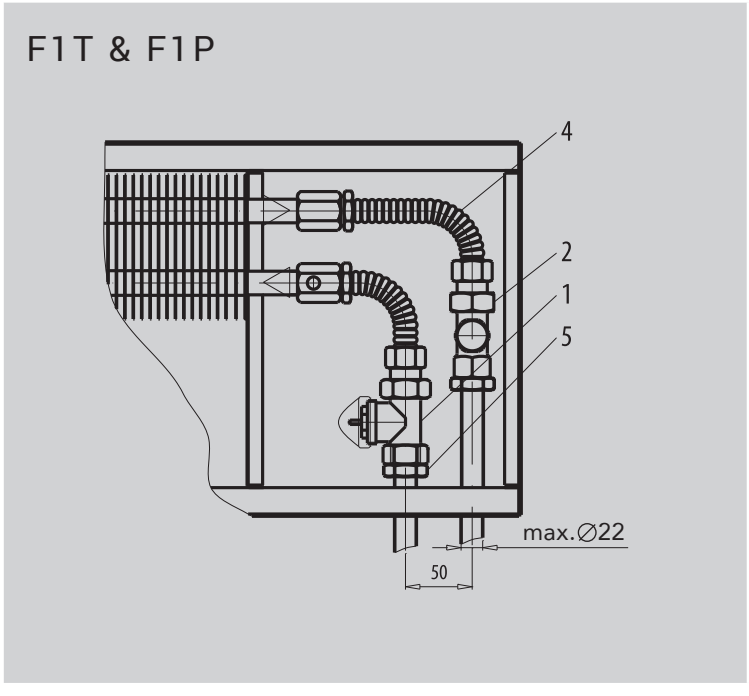


Illustration 6



Legend:

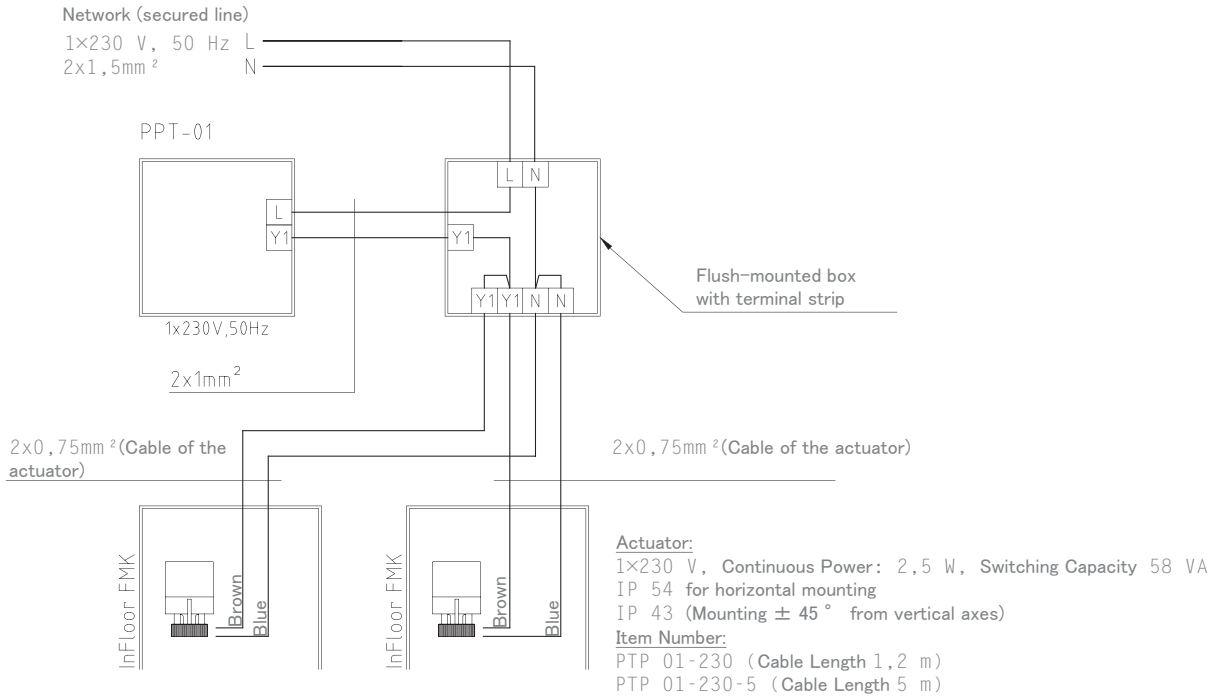
1 - Thermostatic valve (accessories made to order)
2 - Return fitting (accessories made to order)
3 - Return fitting corner version (accessories made to order)
4 - Stainless steel shaft tube (included)
5 - Compression fitting (not included)
6 - 90 ° elbow (not included)

Maintenance and Cleaning

Before the beginning of heating season

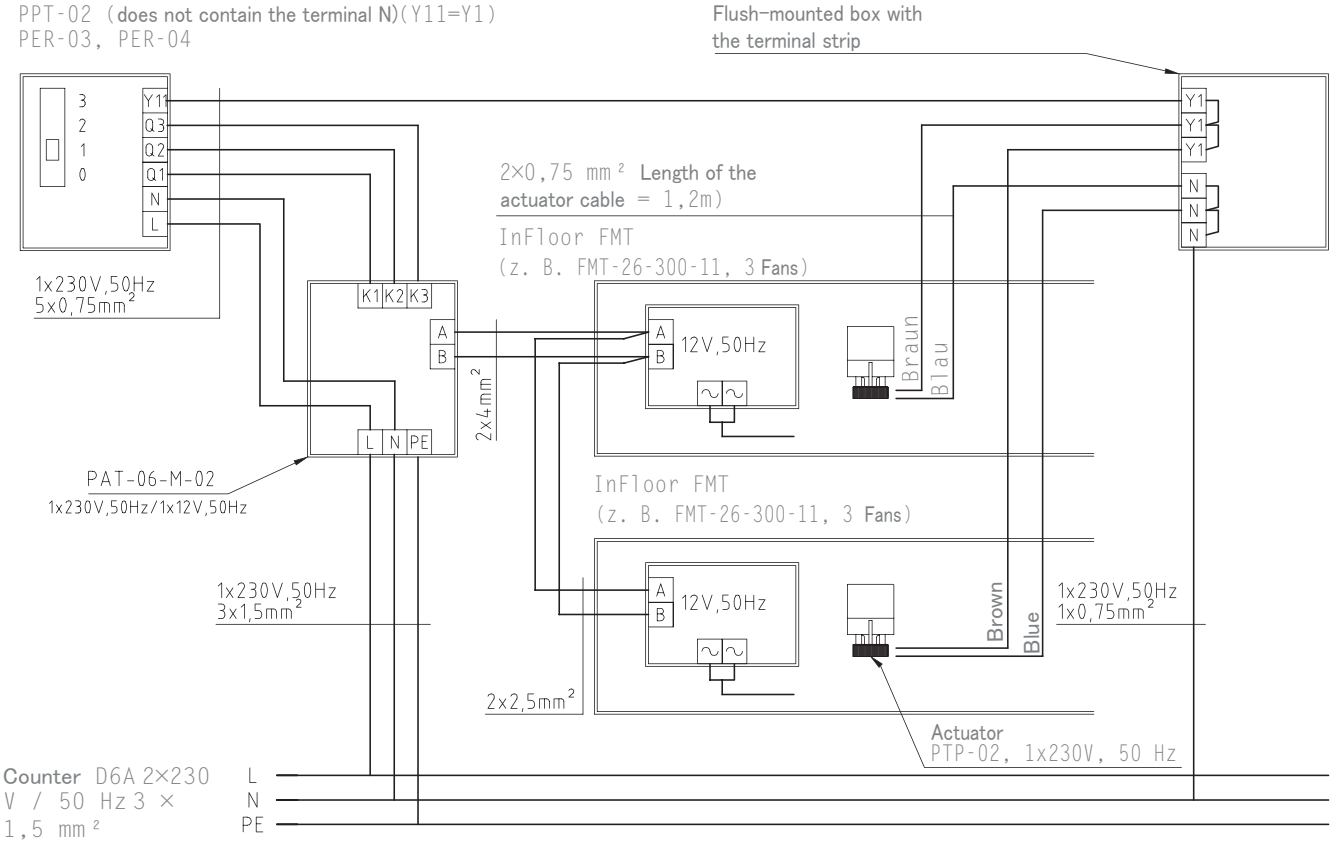
1. Remove the rust
2. Clean the heat exchanger with a soft brush
3. Remove the dust from the bottom of the case with a vacuum cleaner
4. Remove the remaining dirt with a damp cloth
5. Replace the grate

Electrical Block Diagram No. 1: FMK with Room Thermostat and Actuator



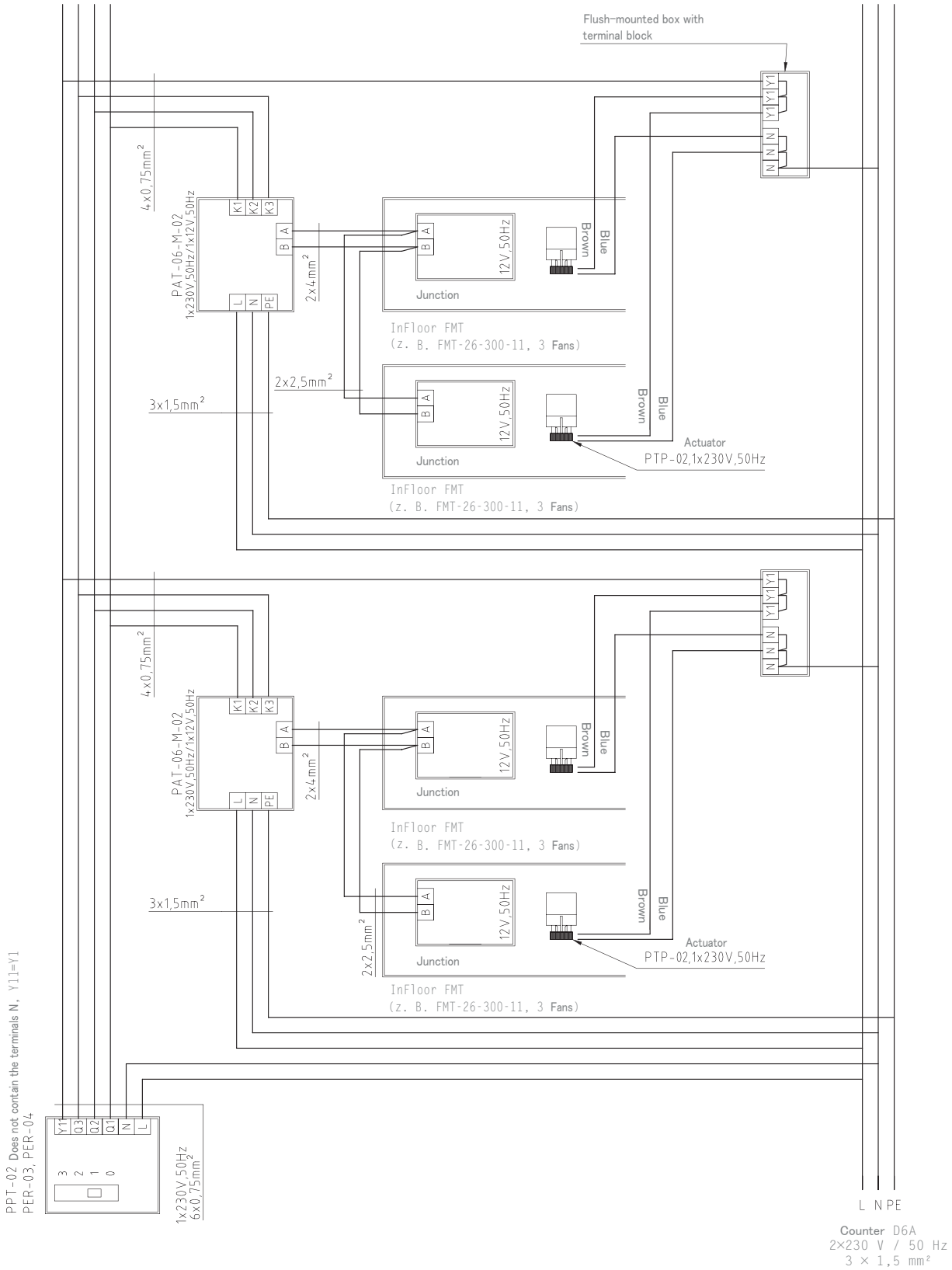
Note:
When using an actuator, always use an FI switch.

Electrical Block Diagram No. 2: FMT or FPT, Room Thermostat with Speed Changeover Switch, Controller PAT-xx-M



Note:
1) When using an actuator, always use an RCCB
2) Observe the maximum number of connected fans per PAT controller
3) Schematic diagrams apply for flush mounting; when surface-mounted, the PAT controllers are wired only with a 2-core cable

Electrical Block Diagram No. 3: Controllers Coupled in Parallel (PAT-xx-M)



Note:
When using an actuator, always use an FI switch.

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