

# Temperature Control Box - TCB - 4

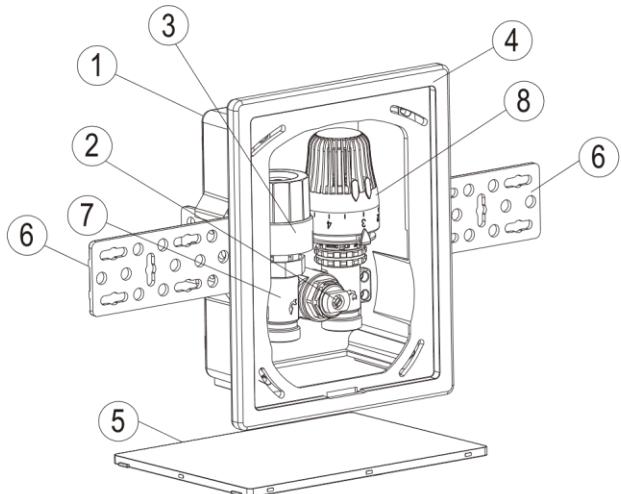
## PRODUCT DATA

### Description

TCB-4 is used for the individual room temperature control, for instance, floor heating systems in association with low temperature heating systems.

The individual room temperature is controlled by room thermostats in association with thermal or motor actuators and/or without auxiliary power with the thermostatic head TF-23 remote dial.

TCB-4 is also used in wall heating systems.

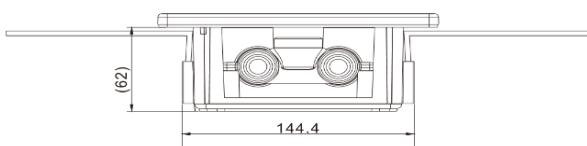
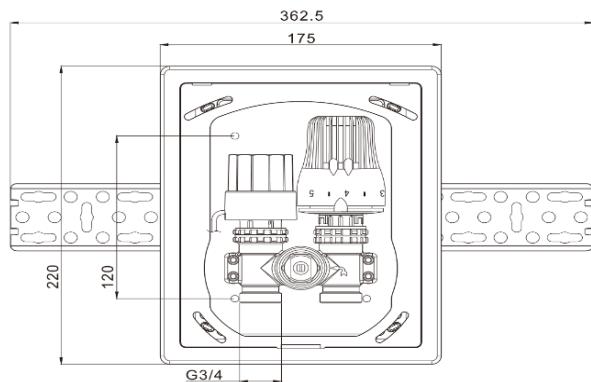


1. Flush Mounting Box
2. Air Venting Valve
3. Electrical actuator DF-110E or other types
4. Frame
5. Front Cover Plate
6. Fixing Bracket
7. Gunmetal Valve Bodies for Corrosion Resistance
8. Return Temperature Limiter TF-23

### Specification

Temperature range (TF-23 head)	DF-110E or other types	Max. admissible static pressure	Max. admissible differential pressure	Installation depth	Connection size	Kvs
10~50 °C		1.0 MPa	0.1 MPa	(62)mm	G 3/4"	1.35

### Dimensions



## Planning

- For all Multibox models, ensure that system delivery temperature is suitable for setting floor heating system.
- All Multibox models are connected to a reverse tube at the end of the floor heating loop
- Notice the direction of flow (see Example for use)
- Depending on the loss of pressure from the pipeline, all Multibox models are suitable for the heating area up to approximately 20 m<sup>2</sup>. The length of the 12 mm inner diameter tube in any heat chain must not exceed 100 m.
- For heating areas > 20 m<sup>2</sup>/tube length > 100 m, T-piece should be used to connect two equally long heating circuits, on Multibox.
- In order to ensure the operation of the low noise system, the differential pressure in the valve must not exceed 0.2 bar.
- Heating on floor coverings of the floor should lie spirally.
- Value setting RTL must not be below ambient temperature, otherwise it does not open.

