

# Electronic two-stage controller JBT-2

with remote sensor



## Technical data

- Operating voltage:** 230 V~, 50 Hz
- Switching capacity:** 10 (3) A, 24–250 V~
- Switching difference:** adjustable  
0.2 ... 1.5 K within the stage limit,  
0.2 ... 6 K, between the stages
- Contact:** 2 relays as potential-free  
changeover contacts
- Sensor:** NTC resistor
- Ambient temperature:** 0 ... +55 °C
- Degree of protection:** IP 65, CP types (without housing)  
= IP 00
- Protection class:** II, only with housing
- Mounting / installation:** wall mounting or installation in  
a switch cabinet
- Housing colour:** grey (bottom part RAL 7016,  
upper part RAL 7035)

## Application

Two stages for heating or cooling. If wiring the relay contacts accordingly, "heating and cooling" with neutral zone can be realised too. Desired function can be chosen by means of jumpers.

**Sensors are not included in the scope of the delivery.** (For choice of sensors available, see as of page 133).

Application of sensor types according to sensor no. indicated (i.e. all HF, BTF2 or LF types can be used with this number, e.g. HF-3 or LF-23, etc.).

Avoid parallel laying of sensor line and mains supply cables or protect it by shielding.

Type	Item No.	Control range	Equipment	Sensor	PG
JBT-21 A	D 4760025	-15...25°C		0/20 (NTC 2 K 25)	II
JBT-21 A CP	D 4760468	-15...25°C	without housing incl. 1 m remote potentiometer and DIN rail	0/20 (NTC 2 K 25)	II
JBT-22 A	D 4760037	10...50°C		3/23 (NTC 8 K)	II
JBT-22 A CP	D 4760456	10...50°C	without housing incl. 1 m remote potentiometer and DIN rail	3/23 (NTC 8 K)	II
JBT-23 A	D 4760254	35...95°C		5/25 (NTC 50 K)	II

