
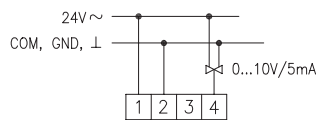

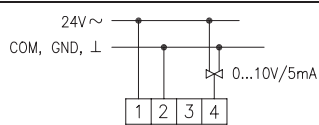

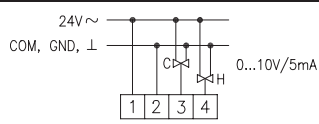


Electronic continuous-action controller

For surface installation – Design Berlin 2000



Technical data	Application
Operating voltage: Sensor: 24 V~ / = approx. 1 VA safety extra low voltage	Room temperature controller for the permanent valve drives. Controller for the control of 2-pipe systems (1 conduit), 4-pipe systems (2 conduits) and mixing chambers.
Sensor: internal – NTC 47 kΩ (type KTRVB-042.207 for external NTC 47 kΩ)	
Setting ranges: 5 ... 30°C; 21° ± 8°C; (see "Equipment")	
Proportional band: 0.5 ... 3 K (see "Equipment")	
Degree of protection: IP 30	
Protection class: III	
General equipment: mechanical range suppression with model KTRVB-042.206 only	
Indication (LED): see "Equipment"	
Switch: see "Equipment"	
Admissible air moisture: max. 95 %, non condensing	
Storage temperature: –20 ... +70°C	
Radio interference suppression: acc. to EN 60730	
Ambient temperature: 0 ... 50°C	
Housing colour: pure white, similar to RAL 9010	
Housing material: plastic (ABS)	
Mounting / installation: surface / wall installation	
Weight: approx. 130 g / sensor approx. 160 g	
Electrical connections: terminal screws	

Model / Picture	Equipment	Circuit diagram	PG
KTRVB-048.100 Art.-Nr. DA 450000  Replaces PETA 75.500	Setting range: 5 ... 30°C Output: Analogue output 0 ... 10 V or 10 ... 0 V, repluggable, 5 mA, adjusted to 5 V (at set temperature) Inputs: Internal sensor NTC 47 kΩ Indications: Set value scale 5 ... 30°C Functions: Heating and cooling with adjustable p-band Adjustments: P-Band + 0.5 ... + 3 K (factory setting: 2 K) Application: Control of climates in mixing chambers by means of a proportionally actuated valve.		A
KTRVB-048.200 Art.-Nr. DA 450100  Replaces PETA 75.502	Setting range (turning knob): 21°C ± 3 K The factory preset "zero" (21°C) can be changed internally by ± 5 K Outputs: Analogue output 0 ... 10 V or 10 ... 0 V, repluggable, 5 mA, adjusted to 5 V (at set temperature) Inputs: Internal sensor NTC 47 kΩ Indications: Relative scale (set value 21°C with "0" marking and swelling arrow "+" and "-" for warmer / colder) Functions: Heating and cooling with adjustable p-band Adjustments: P-Band 0.5 ... 3 K (factory setting: 2 K) Application: Control of climates in mixing chambers by means of a proportionally actuated valve.		A
KTRVB-042.100 Art.-Nr. DA 451000  Replaces PETA 75.800 PETA 75.803	Setting range: 5 ... 30°C Outputs: Analogue heating output (0 ... 10 V oder 10 ... 0 V), repluggable, 5 mA Analogue cooling output (0 ... 10 V oder 10 ... 0 V), repluggable, 5 mA Inputs: Internal sensor NTC 47 kΩ Indications: Set value scale 5 ... 30°C Functions: Heating and cooling with adjustable neutral zone and adjustable p-band Adjustments: Neutral zone – 1 ... + 5 K (factory setting: 1 K) P-band "heating" 0.5 ... 3 K (factory setting: 1 K) P-band "cooling" 0.5 ... 3 K (factory setting: 2 K) Application: Control of climates in individual rooms, the conditioning of which is realised via 2-conduit systems (4-pipe systems) and proportionally actuated valves.		A