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Electronic room temperature controller, continuous action KTRVB For surface installation – Design Berlin 2000

Model/Picture	Item No.	Equipment	Circuit diagram	PG
KTRVB-042.205	DA 451200	Setting range (turning knob): $21 ^{\circ}\text{C} \pm 3 \text{K}$, the factory preset "zero" ($21 ^{\circ}\text{C}$) can be changed internally by $\pm 5 \text{K}$. Outputs: Analogue heating output 0 10 V or 10 0 V, repluggable, 5 mA, Analogue cooling output 0 10 V or 10 0 V, repluggable, 5 mA Inlets: Internal sensor (NTC 47 k), ECO contact, forced switch off contact Indications: Relative scale (set value $21 ^{\circ}\text{C}$ with "0" marking, swelling arrows ("+" and "-" for warmer/colder) Functions: Heating and cooling with adjustable neutral zone and adjustable p-band. ECO mode operation can be activated via an external contact (= neutral zone broadened through ECO zone). Forced switch off function (frost protec- tion monitoring of rooms at approx. 5°C) Adjustments: Neutral zone from -1+5 K, (factory setting 1 K), p-band heating 0.53 K (factory setting 1 K), p-band cooling 0.53 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.	24V~ COM, GND, L L L L L L L L L L L L L L L L L L L	A
KTRVB-042.206	DA 451300	Setting range (turning knob): $21 ^{\circ}\text{C} \pm 3 \text{K}$, the factory preset "zero" ($21 ^{\circ}\text{C}$) can be changed internally by $\pm 5 \text{K}$. Outputs: Analogue heating output 0 10 V or 10 0 V, repluggable, 5 mA Analogue cooling output 0 10 V or 10 0 V, repluggable, 5 mA Inputs: Internal sensor (NTC 47 k), ECO contact, forced switch off contact (prevalent as against the switch) Indications: Relative scale (set value $21 ^{\circ}\text{C}$ with "0" marking, swelling arrows ("+" and "-" for warmer/colder), yellow LED indicator for "ON" and green LED indicator for "ECO" Functions: Heating and cooling with adjustable neutral zone and adjustable band. ECO mode can be activated via exter- nal contact or switch (= neutral zone broadened by the ECO zone). Forced switch off function (frost protection monitoring of rooms at approx. 5°C). Switch: "Off (forced switch off = room frost protec- tion)/Day/ECO" Adjustments: Neutral zone -1+5 K (factory setting 1 K) ECO-Zone 1 5 K (factory setting 3 K) p-band heating 0.53 K (factory setting 1 K) p-band cooling 0.53 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.	24V~ COM, GND, L 1234567 elctronics	A
KTRVB-042.207	DA 451400	Setting range (turning knob): 21 °C ± 3 K, the factory preset "zero" (21 °C) can be adjusted internally by ± 5 K. Outlets: Analogue heating output 0 10 V or 10 0 V, repluggable, 5 mA, Analogue cooling output 0 10 V or 10 0 V, repluggable, 5 mA Inputs: External Sensor NTC 47 K Indications: Relative scale (set value 21 °C with "0" marking, swelling arrows ("+" and "-" for warmer/colder) 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 0.53 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. Sensor LF-22 must be ordered seperately; other sensors of the 2/22 type series (e.g. RF-2, HF-2) can be applied too (regarding aspects actors)	24V~ COM, GND, L (1 2 3 4 5 6 7) (1 2 3 4 5 6 7) (1 2 3 4 5 6 7)	A