

ROOM TEMPERATURE CONTROLLERS

RTB ...

APPLICATION

Room temperature controllers for heating/cooling coils or for zone heating, supplied with an NTC 10 kΩ internal sensing element. Designed for On-Off control of fans and zone valves or for modulating control of reversible control valves with 3-wire electric control.

Individual or centralised season switching.

C-Bus compatible.

RTB 040 can be used as a time switch for 24-hour or 7-day programming.

RTB 540 is provided with a display for modifying programme in use and desired temperature.

Optional sensors: 1 room temperature sensor for fan coils or air duct.



Features

- Power supply: 24 V ~; Consumption: 4 VA; Protection: IP 30.
- Setting range: - From central unit: 0 ... 40 °C; - From local setpoint adjuster: ± 5 (± 15) °C.
- On-Off output: Voltage-free contacts: rating 250 V ~, 5 (3) A.
 - P control action; Proportional Band: ± 1 °C (adjustable from central unit).
- Modulating outputs: Triac type 24 V ~, rating 300 mA (7W).
 - PI control action; Proportional Band: ± 1 °C (adjustable from central unit).
 - Control of actuators with run time: 100 seconds (adjustable from central unit).

Code	Control outputs	Setpoint adjuster	Data Sheet
RTB 040	1 On-Off hot or cold (fan or 2-3 wire valve)	–	B 520
RTB 140	1 On-Off hot or cold (fan or 2-3 wire valve)	± 15 °C	B 520
RTB 041	1 modulating hot or cold (3-wire valve) + 1 On-Off (fan)	–	B 520
RTB 141	1 modulating hot or cold (3-wire valve) + 1 On-Off (fan)	± 15 °C	B 520