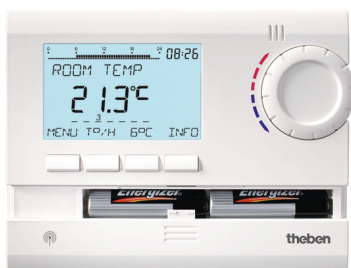


## Description



- Radio-controlled system for room temperature control
- Suitable for energy-saving room temperature control in houses, apartments, heating zones, offices, showrooms, factories, medical practices, holiday homes
- Consisting of two RAMSES 833 top2 HF and a 2 channel REC 2 receiver with a two-way switch 6(2) A/250 VDC per channel
- The system consists of one or two digital clock thermostat and one receiver
- Required temperature set via the rotary dial
- INFO key for viewing important settings
- Quick start-up via 3 basic programs with individually changeable comfort and reduced temperature
- Party/ECO program
- Automatic summer/winter time adjustment
- Different control types can be individually set
- Optimum start option thanks to operating point and switching differential setting option
- 24 programmable time phases per program also enable reduction phases during the day
- Backlit display through keystroke
- External input for connection of presence detectors, temperature sensors, floor sensors, window contacts or telephone remote switches (can only be used in connection with optional plug-in base for wall mounting)
- Optimisation function for automatic correction of heating start up
- Holiday program with reduction phase or date-controlled heating phase for holiday homes
- Optional feature to warn when boiler maintenance required
- Optional pump protection function
- 3 comfort and 2 reduced temperatures can be allocated to each phase
- Including base for free choice of position
- An optionally available plug-in base is required for wall installation

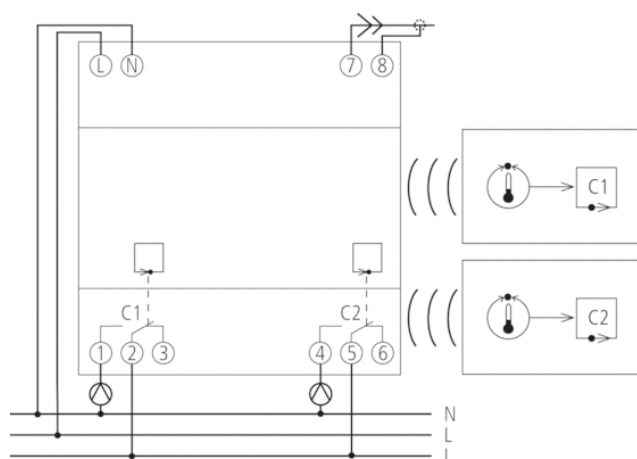
## Technical data

Operating voltage	2 AA batteries
Type of connection	Radio controlled
Type of contact	Changeover contact
Switching capacity	6 A (at 250 V AC, $\cos \varphi = 1$ ), 1 A (at 250 V AC, $\cos \varphi = 0.6$ )
Switching capacity min.	1 mA
Setting range temperature	+6 °C ... +30 °C
Setting range frost protection	+6 °C ... +10 °C
Measuring range temperature	+0 °C ... +50 °C
Temperature display	exactly 0.1 °C
Time basis	Quartz
Program	Weekly program, Daily program, Holiday program, 3 basic programs
Radio receiver	DIN rail, 2 channels
Transmission frequency	868 MHz
Transmission power	< 10 mW
Range	approx. 20-30 m, in buildings depending on type of construction
Number of memory locations	42 , max. 24 per program
External inputs	1
Control types	Pulse width modulation, Hysteresis controller
Control period	5 – 30 min

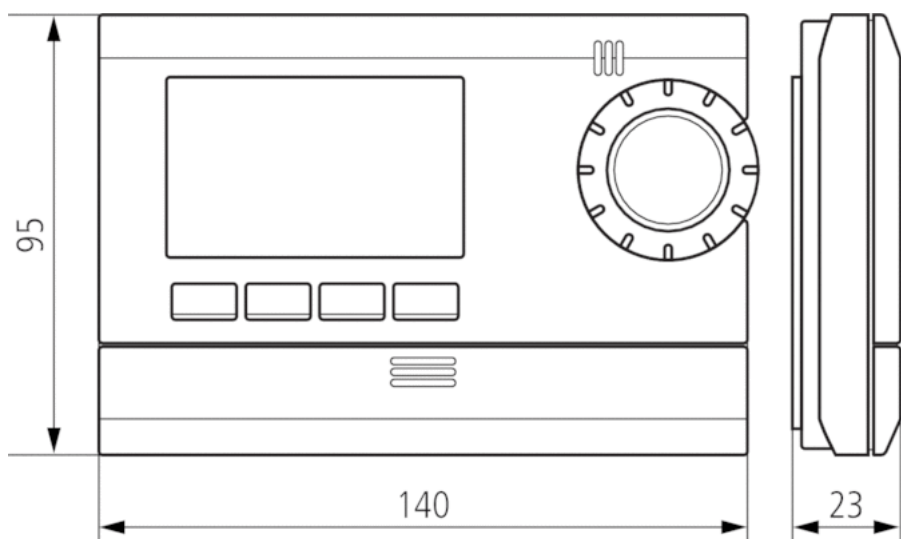
Article number: 8339502

Control capture range	0,2 – 5 K
Control accuracy	$\leq \pm 0.2$ K
Mode of operation	Type 1 B as per EN 60730-1
Control types	2-point
Switching output	Potential-free, not for SELV
Suitable for SELV	Yes
Switching hysteresis	0,2 – 1 K
Time accuracy at 25 °C	$\leq \pm 1$ s/day (quartz)
Power reserve	Max. 10 mins without losing time
Stand-by consumption	2,2 W
Battery life	approx. 1 year, depending on switching frequency
Installation type	Wall installation
Width	5 modules
Type of protection	IP 20
Protection class	II according to EN 60 730-1

### Connection example



### Scale drawings



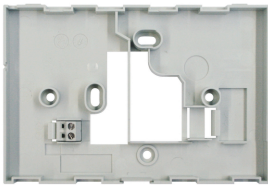
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## Accessories

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### Socket RAMSES

- Article number: 9070605  
[Details ▶ www.theben.de](http://www.theben.de)



### Actuator ALPHA 4 230 V

- Article number: 9070438  
[Details ▶ www.theben.de](http://www.theben.de)



### Actuator ALPHA 4 24 V

- Article number: 9070439  
[Details ▶ www.theben.de](http://www.theben.de)



### Actuator ALPHA 5 230 V

- Article number: 9070441  
[Details ▶ www.theben.de](http://www.theben.de)



### Actuator ALPHA 5 24 V

- Article number: 9070442  
[Details ▶ www.theben.de](http://www.theben.de)



### Temperature sensor

- Article number: 9070321  
[Details ▶ www.theben.de](http://www.theben.de)

