

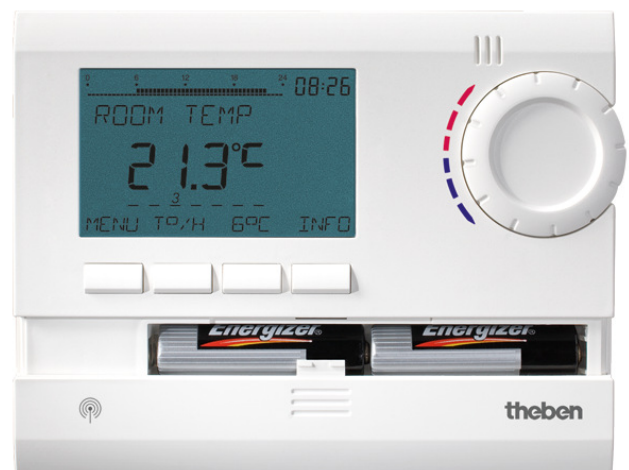
# RAMSES 813 top2 HF Set A

Item no.: 8139503

Climate control  
Clock thermostats

## Description

- Radio-controlled system for room temperature control
- The system consists of one digital clock thermostat and one receiver
- Suitable for energy-saving room temperature control in houses, apartments, heating zones, offices, showrooms, factories, medical practices, holiday homes
- Consisting of a RAMSES 813 top2 HF and a REC 11 receiver with an NO contact 16(2) A/250 V AC for wall mounting
- 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
- 2 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
- Holiday program with reduced temperature or date-controlled heating phase
- Optional pump protection function
- Optional feature to warn when boiler maintenance required



## Technical data

RAMSES 813 top2 HF Set A	
Operating voltage	2 AA batteries
Type of connection	Radio controlled
Type of contact	NO contact
Switching capacity	16 A at 250 V AC, $\cos \varphi = 1$ , 2 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	Surface-mounted
Transmission frequency	868 MHz

RAMSES 813 top2 HF Set A	
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
Control types	Pulse width modulation, Hysteresis controller
Control period	5 – 30 min
Control capture range	$\pm 0.2 - \pm 5$ 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
Suitable for SELV	Yes
Switching hysteresis	$\pm 0.2 - \pm 1$ K
Time accuracy at 25 °C	$\leq \pm 1$ s/day (quartz)

Subject to technical changes and misprints

additional information at: [www.theben.de/product/8139503](http://www.theben.de/product/8139503)

The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

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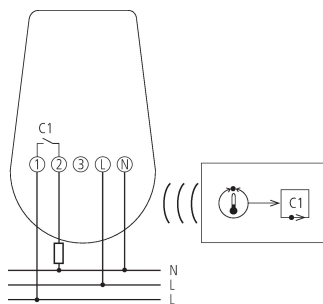


## Technical data

RAMSES 813 top2 HF Set A	
Power reserve	Max. 10 mins without losing time
Stand-by consumption	~1.9 W
Battery life	approx. 1 year, depending on switching frequency

RAMSES 813 top2 HF Set A	
Installation type	Wall installation
Type of protection	IP 20
Protection class	II according to EN 60 730-1

## Connection example



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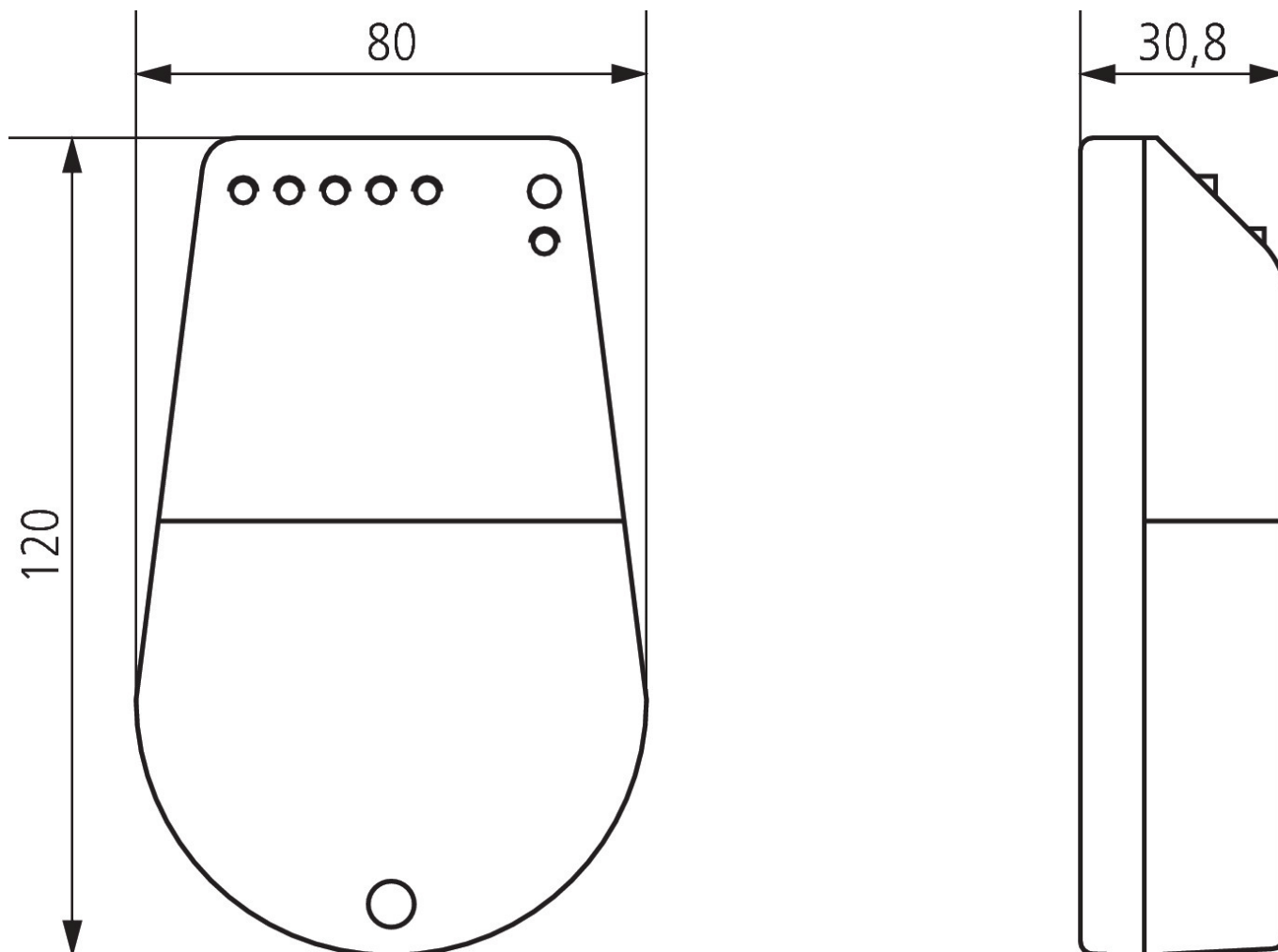
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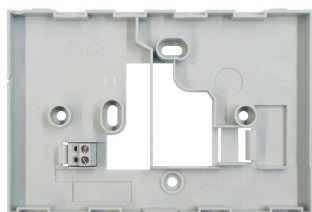
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## Scale drawings



## Accessories

Socket RAMSES  
Item no.: 9070605



Actuator ALPHA 5 230 V  
Item no.: 9070441



Actuator ALPHA 5 24 V  
Item no.: 9070442



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