

# RAMSES 812 top3 16A

Item no.: 8120210

Climate control  
Clock thermostats

## Description

- Digital clock thermostat in flat design for time-dependent monitoring and control of room temperature
- Operation on device or via app
- Mains version
- Installation in flush-mounted socket
- Increased switching capacity (16 A)
- Direct Bluetooth Low Energy (BLE) connection between app and clock thermostat, no communication via the Internet
- Settings configured conveniently via the app with intuitive operation from a smartphone or tablet
- Increased user convenience
- 3 individually programmable weekly programs, as well as comfort, eco and setback function
- Suitable for energy-saving room temperature regulation in houses, apartments, etc.
- Illuminated display through keystroke
- External input for the flexible connection of the external room temperature sensor, floor sensor, motion detector or telephone contact
- Intelligent control algorithm (pulse-duration controller, hysteresis controller)
- Suitable for on/off heating systems, zonebased or single-room control, electric heating units



## Technical data

RAMSES 812 top3 16A	
Operating voltage	230 V AC
Frequency	50 Hz
Type of contact	NO contact
Switching capacity	16 A at 250 V AC, $\cos \varphi = 1$ , 2 A at 250 V AC, $\cos \varphi = 0.6$
Setting range temperature	2°C ... 30°C
Setting range frost protection	2°C ... 10°C
Time basis	Quartz
Program	Weekly program, Daily program, Holiday program, 3 basic programs
Number of memory locations	42
External inputs	1
Control types	Pulse width modulation, Hysteresis controller
Control period	5 - 30 min

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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
Switching output	Potential-free, not for SELV
Suitable for SELV	No
Switching hysteresis	$\pm 0.2 - \pm 1$ K
Time accuracy at 25 °C	$\leq \pm 1$ s/day (quartz)
Power reserve	4 hours
Stand-by consumption	<0.2 W
Installation type	Wall installation or on flush-mounted socket
Type of protection	IP 40
Protection class	II according to EN 60 730-1

Subject to technical changes and misprints

additional information at: [www.theben.de/product/8120210](http://www.theben.de/product/8120210)

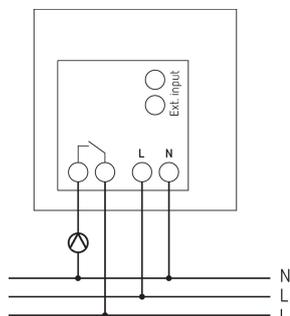
The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

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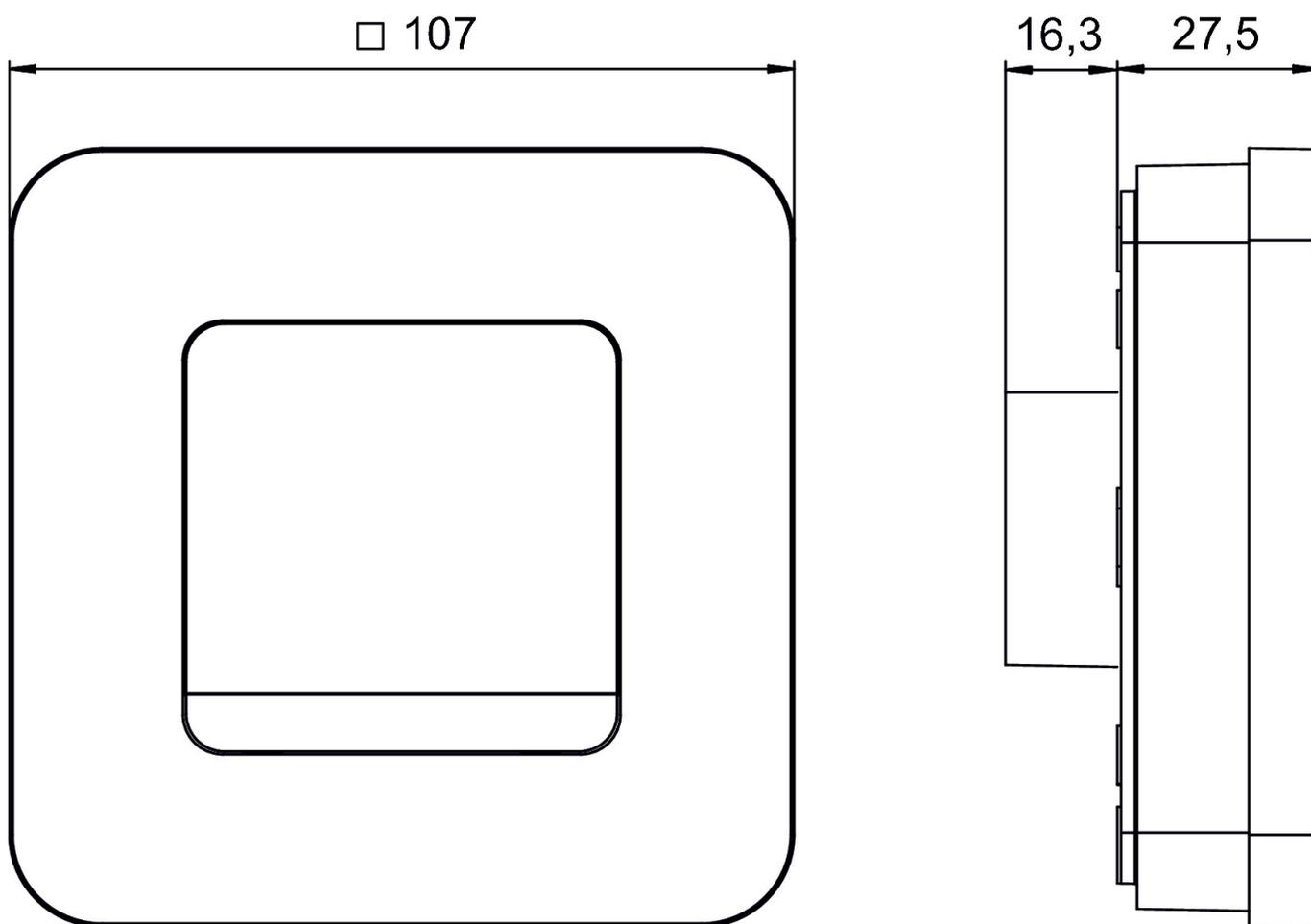
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## Connection example



## Scale drawings



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## Accessories

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Temperature sensor

Item no.: 9070321



Temperature sensor RAMSES IP

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Item no.: 9070459



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