

RAMSES 831 top2

Item no.: 8319132

Climate control
Clock thermostats

Description

- Digital clock thermostat with a low profile design for time-dependent monitoring and control of room temperature
- Battery version
- Suitable for energy-saving room temperature control in houses, apartments, heating zones, offices, showrooms, factories, medical practices, holiday homes
- Backlit display through keystroke
- External input for connection of presence detectors, temperature sensors, floor sensors, window contacts or telephone remote switches
- Optimisation function for automatic correction of heating start up
- Temperature is set quickly via rotary switch
- INFO key for viewing important settings
- Quick start-up via 3 basic programs with individually changeable comfort and reduced temperature
- Party / ECO program
- Fully automatic summer / winter-time correction
- Holiday program with reduction phase or date-controlled heating phase for holiday homes
- 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
- Plug-in base for wall or flush-mounted socket installation



Technical data

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Operating voltage	2 AA batteries
Type of connection	2/3-way conductors
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
Temperature display	exactly 0.1 °C
Time basis	Quartz
Program	Weekly program, Daily program, Holiday program, 3 basic programs
Number of memory locations	42, max. 24 per program
External inputs	1
Control types	Pulse width modulation, Hysteresis controller

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Control period	5 – 30 min
Control capture range	$\pm 0.2 - \pm 5$ K
Control accuracy	$\pm \pm 0.2$ K
Mode of operation	Type 1 B as per EN 60730-1
Control types	2-point
Switching output	Potential-free
Suitable for SELV	Yes
Time accuracy at 25 °C	$\leq \pm 1$ s/day (quartz)
Power reserve	Max. 10 mins without losing time
Battery life	approx. 1 year, depending on switching frequency
Installation type	Wall installation
Type of protection	IP 20
Protection class	II according to EN 60 730-1

Subject to technical changes and misprints

additional information at: www.theben.de/product/8319132

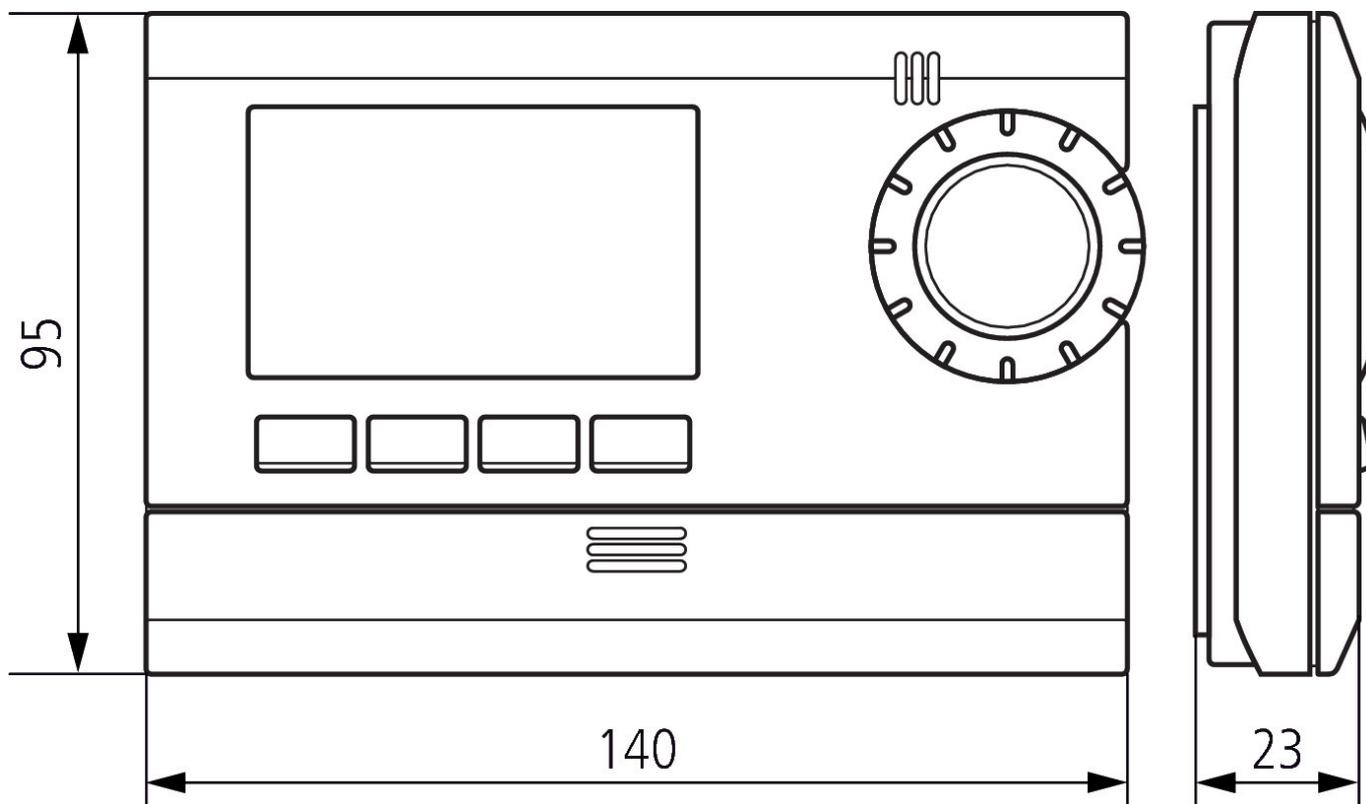
The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

05/08/2022
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Scale drawings



Accessories

Temperature sensor
Item no.: 9070321



Temperature sensor RAMSES IP
65
Item no.: 9070459



Actuator ALPHA 5 230 V
Item no.: 9070441



Actuator ALPHA 5 24 V
Item no.: 9070442



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