

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 (also on flush-mounted socket possible) |
| 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

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

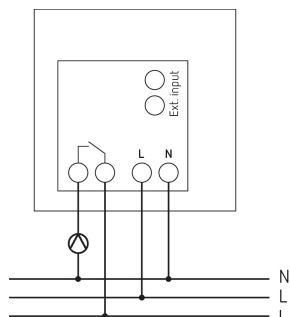
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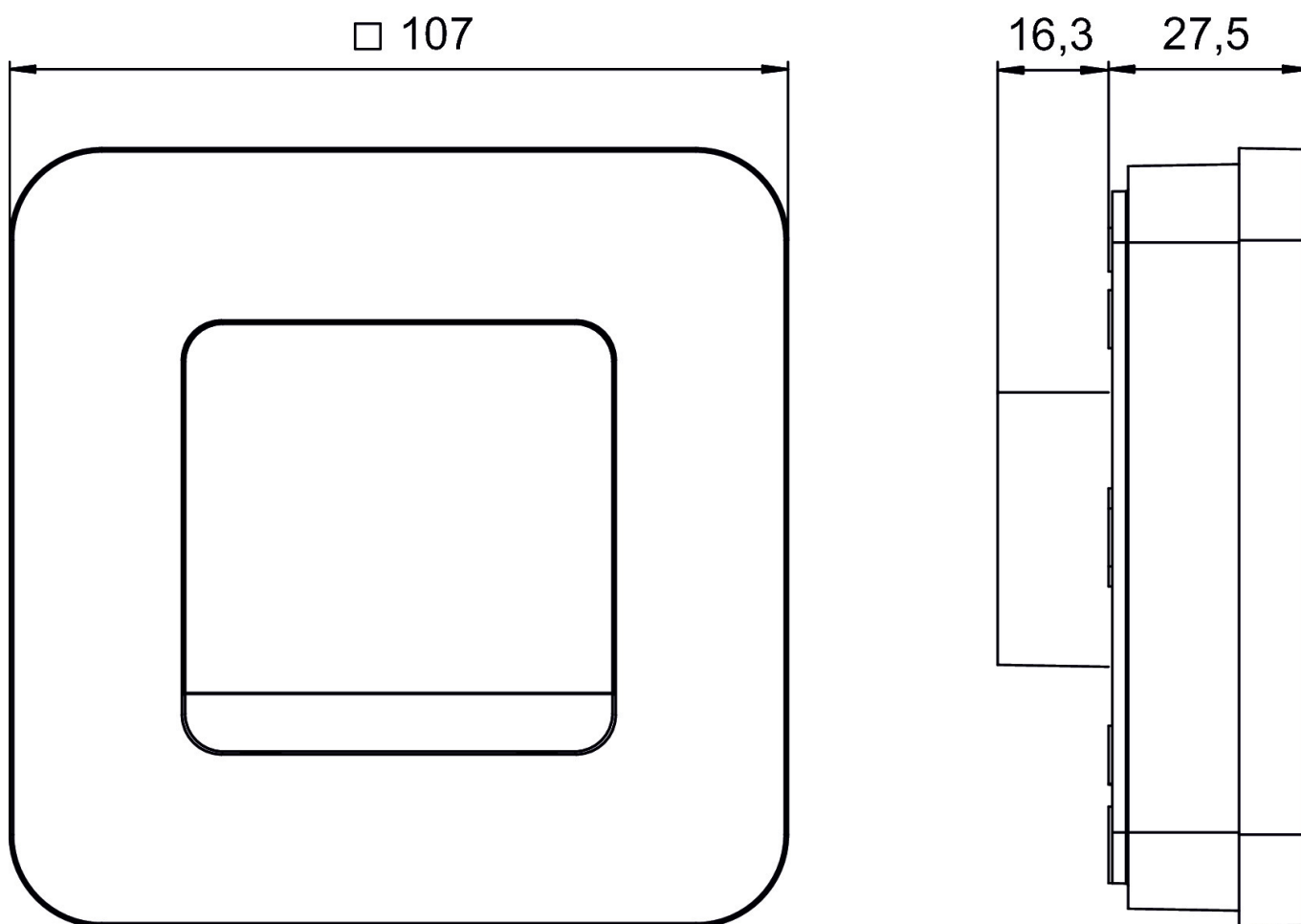
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Connection example



Scale drawings



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Accessories

Temperature sensor

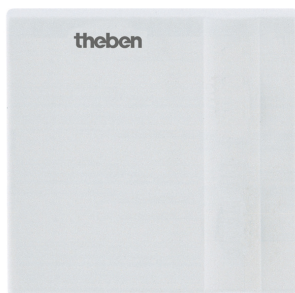
Item no.: 9070321



Temperature sensor RAMSES IP

65

Item no.: 9070459



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