

# be wave | Smart HUB

The system controller, the heart of your **BE WAVE**, is a device that enables all functions related to comfort and protection. Enclosed in an elegant housing, it can be placed on a shelf or mounted, for example, on a wall. It has a built-in Ethernet (LAN) port and WiFi.

- support for up to 128 **BE WAVE** wireless devices:
  - ❖ operation in the 868 MHz frequency band
  - ❖ AES encrypted two-way radio communication
  - ❖ transmission channel diversity – 4 channels for automatic selection of the one that will enable transmission without interference with other signals
  - ❖ additional transmission channel to receive images from the **Motion Detector Cam**
- capability to assign devices to 50 rooms
- up to 50 users
- **BE WAVE** mobile app to manage the system:
  - ❖ communication via the local network or establishing connection through the Internet using the SATEL server
  - ❖ system programming
  - ❖ system control
  - ❖ system diagnostics
  - ❖ valid for installation on up to 5 different mobile devices of the user



- capability to arm the system fully or partially
- up to 100 scenes and routines:
  - ❖ scenes for easier control
  - ❖ routines for automated system operation
- 8000 event log entries
- event notification types:
  - ❖ push
- reporting:
  - ❖ reporting events to two monitoring stations
  - ❖ support for Contact ID, SIA, SIA IP and Bold Manitou communication formats
  - ❖ data transmission via Ethernet
- capability to update firmware of the controller and the devices in the system
- built-in Ethernet (LAN) port
- built-in Wi-Fi:
  - ❖ operating in the 2.4 and 5 GHz bands
  - ❖ IEEE 80.11 b/g/n (2,4 GHz) / IEEE 802.11 a/n (5 GHz) standards
- LED indicator
- powered with 230 V AC
- backup battery
- battery charging circuit
- battery status control and low battery disconnect system
- tamper protection against enclosure opening and removal from mounting surface
- compliance with EN 50131 Grade 2 requirements



|   |  |
|---|--|
| Operating frequency band .....                    | 868.0 MHz ÷ 868.6 MHz  |
| Supply voltage .....                              | 230 V AC, 50-60 Hz   |
| Rechargeable battery .....                        | 3.6 V / 3200 mAh   |
| Standby power consumption .....                   | 1.82 W   |
| Maximum power consumption .....                   | 2.65 W   |
| Standby current consumption from battery .....    | 252 mA   |
| Battery charging current .....                    | 250 mA   |
| Low battery voltage threshold .....               | 3.2 V  |
| Battery cut-off voltage.....                      | 2.8 V  |
| Battery operating temperature                     |  |
| · discharging .....                               | -10°C ÷ +60°C  |
| · charging .....                                  | 0°C ÷ +45°C  |
| Supported memory cards.....                       | microSD, micro SDHC  |
| Complied with standards.....                      | EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-3, EN 50131-5-3 |
| Environmental class according to EN 50130-5 ..... | II   |
| Operating temperature range .....                 | -10°C ÷ +55°C  |
| Maximum humidity.....                             | 93±3%  |
| Dimensions.....                                   | 158 x 158 x 30 mm  |
| Weight .....                                      | 406 g  |

**SMART & SAFE**

powered by

**abox2**  
wireless technology