



Olock® WBLS®

Wireless biometric access control device

BioditEnergy®

Energy efficiency device



B I O D I T
GLOBAL IDENTITY SOLUTIONS

Olock® WBLs®

Olock® WBLs® is an innovative wireless biometric device for access control. It provides quick and easy access of users to different rooms or areas through fingerprint identification, without the need for keys, magnetic cards, passwords, etc., which can be stolen, lost, broken or forgotten.

Olock® WBLs® is connected via Gateway® to the Biodit Management Software. The used connection is based on Zigbee protocol and provides secure encrypted 128-bit connection.

This connectivity simplifies installations, taking advantage of common computing resources and facilitating the installation of the product without any need of building works or wiring.



WBLs®
powered by
BIODIT

Wireless Biometric Locking System

Available colors:






BIODIT

Olock® WBSL® Main characteristics


- Fingerprint biometrical identification technology.
- Attractive design in different finishes and colours.
- Simple installation without cabling, for new or already exiting constructions.
- Compatible with different door thicknesses from 30 to 115 mm.
- Compatible with ANSI embedded locks. Available version for cylinder (input of 60mm or more, follower lever of 8mm. If cylinder is used, distance between axes of 85mm)
- Bidirectional wireless communication between the control software and the Olock® WBSL® device.
- Safety in the wireless communication on all kind of devices, coded wireless communication with safety verifications per cyclical redundancy codes and safety safety algorithms.
- Anti-panic function, the lock can always be opened from inside by using a suitable embedded lock.
- Restraint fingerprint function.
- Sound warning by buzzer on access
- Visual warning with red and green leds on access.

Opening modes

- Identification mode (door opening after fingerprint validation).
- Clearance mode (free clearance).
- Access mode by time band.
- Remote opening.
- Emergency opening (through PPD controller)

Information provided through control software

- Detailed reports on the locks' activity.
- Maintenance reports.
- Online monitoring of the status of the batteries at any time.
- Automatic incidence messages.
- History of identification events per user.
- Access permissions per groups of users (staff or clients).
- Elimination of access on request (fingerprint detection locally)
- Staff access follow-up.
- Open/closed door notification (only if provided with external sensor).

Certification: 
EN 300 328 (v.1.7.19)
EN 301 489 - 17 (v.1.2.1)
EN 60950-1 (2006)

Technical characteristics

Biometric features

- Optical sensor.
- Area of the sensor: 18 x 22 mm.
- Resolution: 500dpi.
- Authentication times (1:1): less than 1 second (standard time).
- Identification Times (1:500 people): 1.5 seconds.
- Maximum number of fingerprints per Olock®: 500 (extendable to 3000 and 5000).
- FAR \leq 0.00001%.

Environmental characteristics

- Operating temperature: -10°C to 45°C.
- Storage temperature: -20°C to 70°C.
- Relative humidity: 20% to 80%.

Autonomy

- Necessary power supply: Pack of lithium batteries of 3.6Vdc.
- Number of openings: Between 40,000 and 50,000.
- Low consumption, the device will remain on standby, the sensor will activate when you lower the handle.

Interfaces

- Digital input for external sensor.

Network and communications

- Wireless communication with the rest of the network devices.
- Possibility of ONLINE and OFFLINE operation.

Installation

- For interiors and covered exteriors.
- On doors with through screws.

Biodit Energy®

We are aware of the importance of saving energy, not only to improve commercial margins, but also to optimize the quality and image of companies towards their clients. Through our product Biodit Energy® we have achieved this.

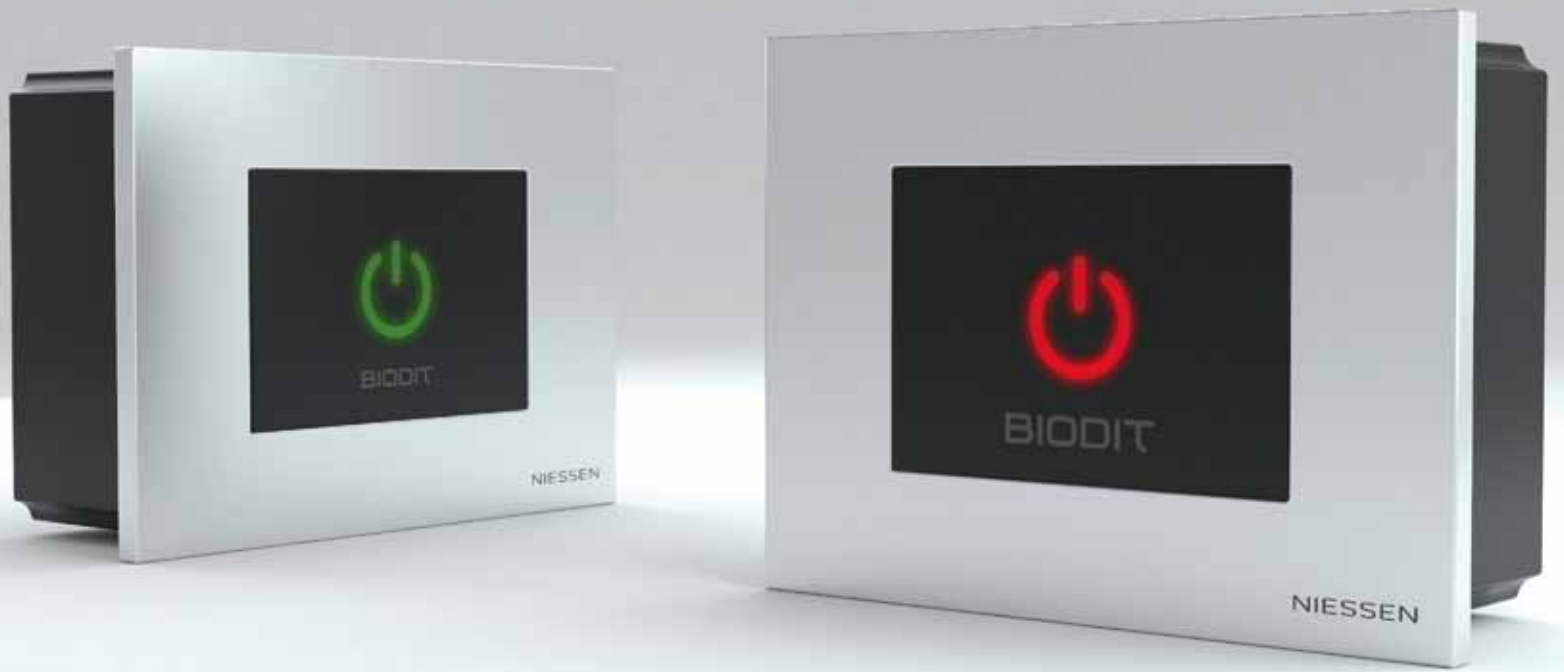
Biodit Energy® provides energy savings obtained by reducing intensity and consumption.

Biodit Energy® is not only a common way of pointing out your ecological conscience, but also a solution towards the well-being of the guest and a reduction in energy expenses.



Available colors:

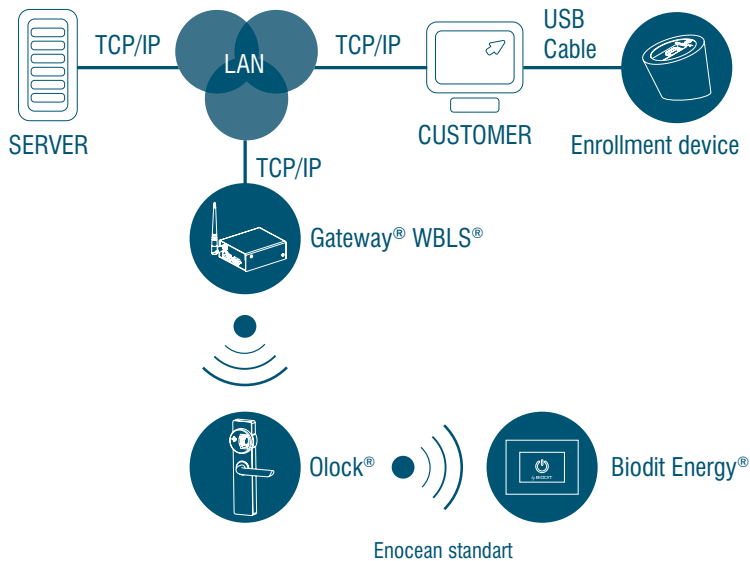




Bodit Energy® Main characteristics

- Master Control device of the electrical circuits of the room.
- Incorporates EnOcean bidirectional wireless communication.
- Able to handle autonomously up to 4 EnOcean sensors.
- Time controlled disconnection response after leaving the room.
- Automatic Lighting control when accessing to the room.
- Luminous indicator of the system status. Green indicates ON and Red indicates OFF.
- Acoustic Indicator for the time controlled switch ON/OFF system.
- Power Supply SELV (Low Voltage Security).

Topology



Technical characteristics

Environmental characteristics

- Operating temperature: -10°C to 45°C.
- Storage temperature: -20°C to 70°C.
- Relative humidity: 20% to 80%.

Power supply

- 12Vdc 500mA.

Interfaces

- Power supply connector . 2 poles connector type.
- Relay Output 2A 230 V (NC, NO y C). 3 Poles Connector type.

Network and Communications

- EnOcean wireless communication compatible with third parties products interface.

Installation

- For interiors.
- Embedded in american mechanism box, with Niessen ´s frame (model Zenit).

Certification: **CE**
EN 300 328 (v.1.7.19)
EN 301 489 - 17 (v.1.2.1)
EN 60950-1 (2006)



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