



Inside® WBLS®

Wireless biometric access control device



Inside®

Wired biometric access control device



BIODIT
GLOBAL IDENTITY SOLUTIONS

Inside® WBLS®

Inside® WBLS® is a wireless biometric device for access control. It provides quick and easy access of users to different rooms through fingerprint identification. Inside® WBLS is designed for integrated mounting and through relay allows the control of electronic locks, automatic doors, parking barriers, turnstiles and others.

Inside® WBLS® is connecting to the Biodit Management Software through the Gateway® WBLS®. The used Wireless Biometric Locking System® (WBLS®) technology is based on Zigbee platform and it provides secure encrypted with 128-bit connection.

The device can control electrical locking mechanisms using its integrated switch and can use wireless communication with the rest of the network devices. It can operate ONLINE and OFFLINE.

Inside® WBLS® has low consumption - the device will remain on standby and the sensor will activate when you get near it.



WBLS®
patented by
B I O D I T
Wireless Biometric Locking System

Available colors:





Inside® WBLS® Main characteristics

- Cutting-edge design and available in different frames and colours.
- Easy installation recessed in universal box of mechanisms.
- Fingerprint biometrical identification technology.
- SELV power supply (safety extra-low voltage)
- Incorporates relay for door opener or any other activator.
- Relay operation in bistable mode.
- Time adjustment of the opening pulse.
- Bidirectional wireless communication between the control software and the Inside device.
- Safety in the wireless communication in all kind of devices, coded wireless communication with safety verifications per cyclical redundancy codes and safety algorithms.
- Sound warning by buzzer on access.
- Visual warning with red and green leds on access.

Opening Modes

- Identification mode (door opening after fingerprint validation).
- Access mode by time band.
- Remote opening.

Information provided through control software

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

Technical characteristics

Biometric features

- Optical sensor.
- Area of the sensor: 18 x 22 mm.
- Resolution: 500dpi.
- Authentication time (1:1): less than 1 second (standard time).
- Identification Time (1:500 people): 1.5 seconds.
- Maximum number of fingerprints per Inside® device: 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: 12Vdc500mA.
- Low consumption, the device will remain on standby, the sensor will activate when you get near the device.

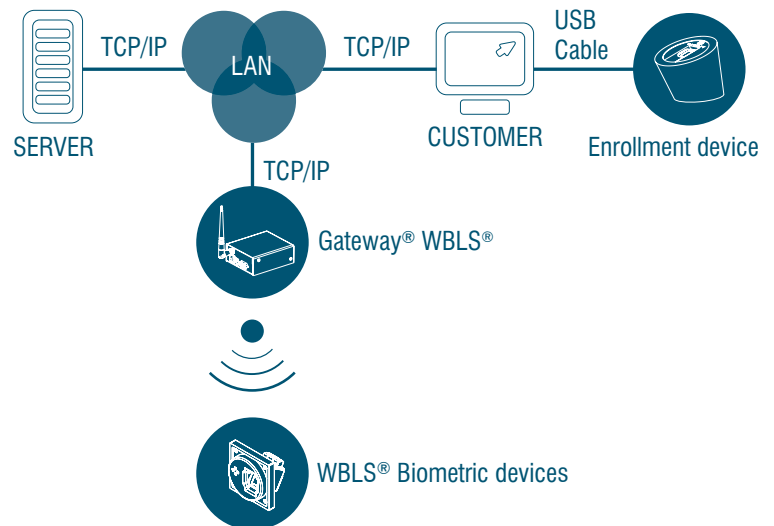
Interfaces

- Power supply connector. Removable terminal type connector.
- Relay output 12A 230V (NC y NA). Removable terminal type connectors.
- Digital input for external sensor. Removable terminal type connectors.

Network and communications

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

Topology



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

Inside®

Inside® is a biometric device for access control. It provides quick and easy access of users to different rooms through fingerprint identification. Inside® is designed for integrated mounting and through relay allows the control of electronic locks, automatic doors, parking barriers, turnstiles and others. It can operate ONLINE and OFFLINE.

The connection between this device and Biodit Management Software is done through DriverControl® via RS485 interface with a maximum distance of 1 km.



Available colors:



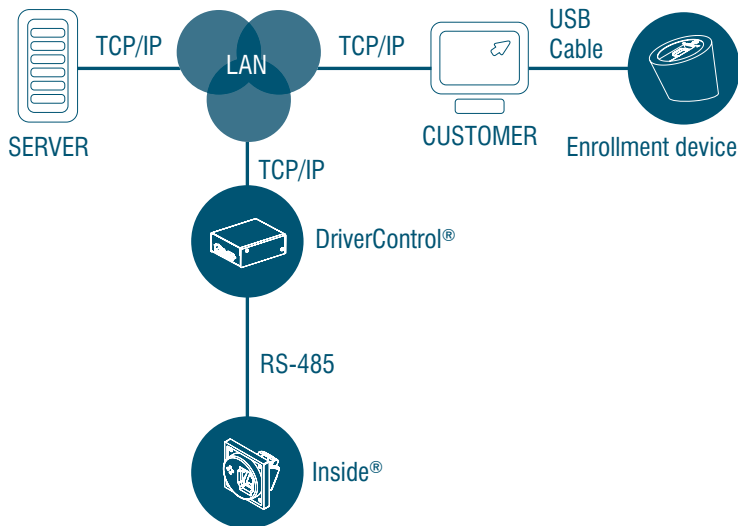


Inside® Main characteristics

- Cutting-edge design in high quality material.
- Fingerprint biometrical identification technology.
- Simple installation with just one UTP CAT5 cable.
- Range of the UTP cabling for data bus of up to 1Km*.
- Encrypted communication between the reading unit and the control unit through 485 bus.
- Surface installation on walls.
- For covered exteriors.
- Requires connection to a control unit such as DriverControl®.
- Compatible with any control unit and on ONLINE or OFFLINE mode.
- Sound warning by buzzer on access.

*for distances greater than 25m it will require external power supply.

Topology



Certification: **CE**
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 time (1:1): Less than 1 second (standard time).
- Identification time (1:500 people): 1.5 seconds.
- Maximum number of fingerprints: 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

- Required power supply: Through the data bus for distances of up to 25m. Requires 3.6Vdc 500mA external power supply for greater distances.

Interfaces

- External power supply connector. Removable terminal type connector.
- Auxiliary connector, Removable terminal type connectors.
- RJ45 connector for bus connection with the control unit.

Network and Communications

- Communication through the 485 bus.
- Possibility of ONLINE and OFFLINE operation.

Installation

- For interiors and covered exteriors.
- Surface.



BIODIT
GLOBAL IDENTITY SOLUTIONS

office@biodit.com | www.biodit.com

