



## Ins-01

**An innovative solution for unique identity of the hotel through intelligent technologies and automation!**

Improves the efficiency of the hotel and adds a "WOW" effect to the accommodation, which impresses guests and makes them come back again and again.

# Ins-01

## FEATURES

- Multifunctional smart device for hotel room access control, services and automation
- Identification by fingerprint or RFID card
- Optional opening by master key
- Access mode by time band
- Wall-mounted panel with visualization of the room number
- Plug & play panel for very fast replacement and maintenance
- Stylish glass looking panel
- LED indication for "Do not disturb" and "Clean my room" options
- Integration with hotel automation of world leaders Legrand, bticino and others
- Wired communication between Ins-01 device and door strike
- Anti-panic function, the lock can always be opened from inside
- Online connectivity with BIODIT Management Software (Ethernet RJ45)
- Sound warning by buzzer on access
- Visual warning with red and green leds on access
- Eliminates abuse by staff by fully monitoring the way hotel doors open (finger/card or key)
- Door status open/close
- If there is no connection to the server, the events are saved in the local memory of the device. When reconnecting, all events will be transferred and registered in the database.



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## TECHNICAL DATA

### Biometric sensor

- Sensor: Capacitive sensor
- Scan Area: 10.5 x 11.2 mm
- Resolution: 500 DPI
- Authentication time: less than 1 second
- Identification time (1:2000 people): 0.9 seconds
- Fingerprint templates: up to 2 000 per device
- FAR: <0.001%
- FRR: <0.1%

### RFID feature

- MIFARE 13.56MHz reader
- Supported RFID standards: ISO14443A and NTAG
- RFID reading distance: 10-30 mm (pending tag type and size)

### Emergency opening options

- Electronic emergency opening and optional mechanical key

### Material

- Scratch resistant acrylic front, polycarbonate used in back frames and non-visible structural parts

### Interfaces

- Mechanical interface: Mounting bracket fastened with screws, click-on front panel
- Electrical interface: One cable to driver controller
- DND/Clean my room status indicator: 2 color LED backlight
- Access symbol: 2 color LED backlight
- Doorbell button: touch button with backlight

### Locking mechanism

- Electric strike

### Panel colors

- Black

### In-room buttons/panel (Customer's choice)

- SMART buttons/panel with DND/Clean my room switch

### Power supply

- Required power supply: 12VDC, 2A

### Operating environment

- Operating temperature: ~-20°C to ~60°C
- Storage Temperature: ~-20°C to ~80°C
- Working humidity: 20% to 80%
- Storage Humidity: <90%

### Network and communication

- Ethernet RJ45
- Possible ONLINE and OFFLINE operation
- Detailed audit trail: 1 000 000 events in offline mode

### Security

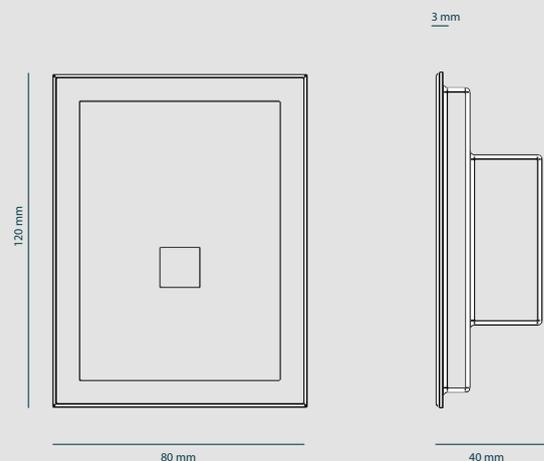
- Data communication: TLS 1.2 encryption

### Certifications

- CE
- FCC certification

### Installation

- Embedded on the wall, next to the door

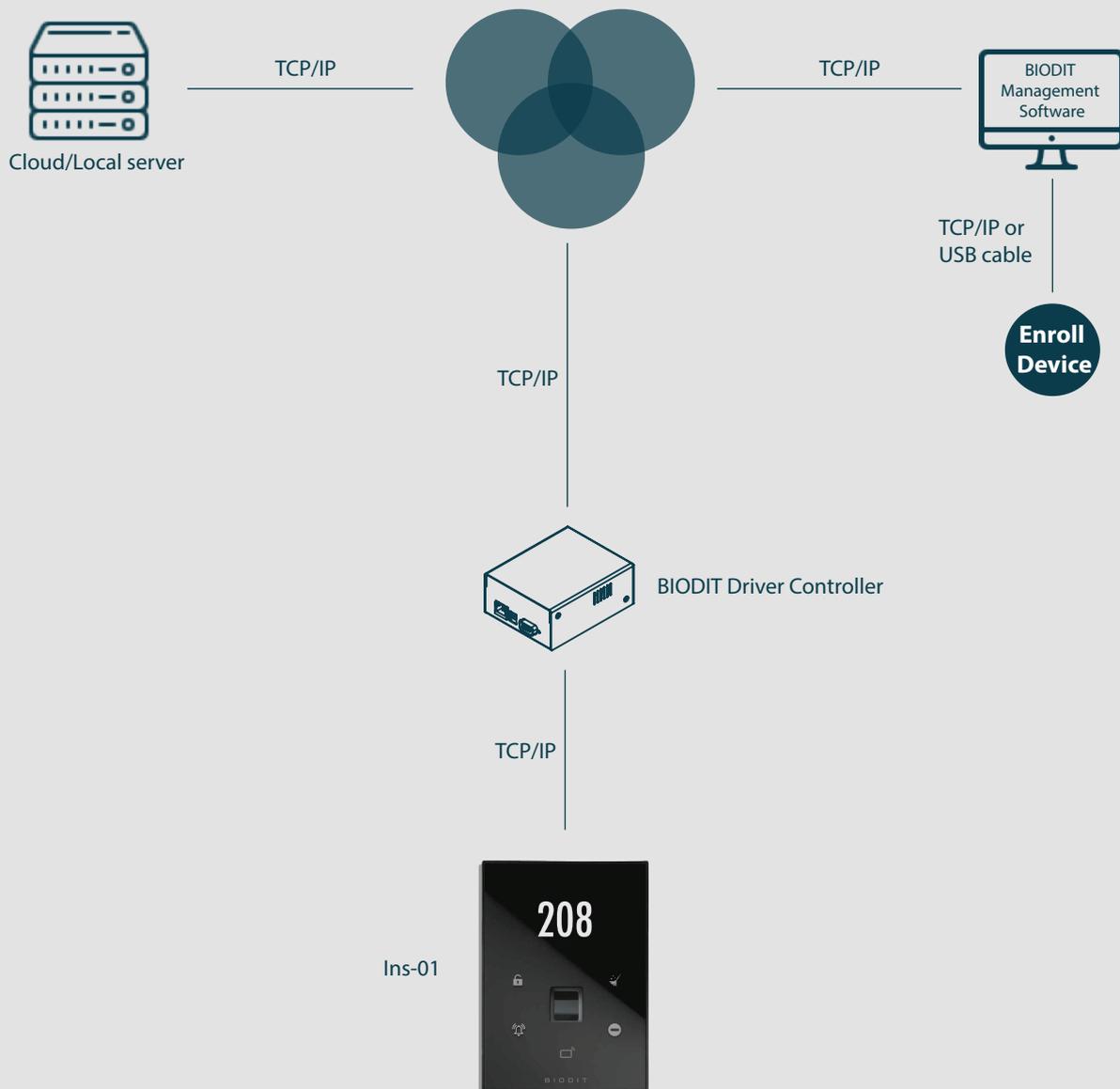


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## TOPOLOGY

### Security of communication

- Data communication: TLS 1.2 encryption
- Database communication: MD5 encryption



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## COMPARISON



### Ins-01

<b>Lockcase</b>	Electric strike
<b>Panic release</b>	Yes
<b>Mechanical override</b>	Optional
<b>Cylinder events in audit trail</b>	Yes
<b>Identification technology</b>	Biometric / RFID
<b>Anti-Cloning technology - RFID cards</b>	Yes
<b>System software</b>	BIODIT Management Software
<b>Power supply</b>	Wired supply
<b>Automatic unlock/lock</b>	Yes
<b>Passage mode</b>	Yes
<b>Audit trail</b>	Unlimited (Local or Cloud server)
<b>Guest privacy function</b>	Yes
<b>Finishes</b>	1
<b>Device colors</b>	Black
<b>Handles</b>	Standard or Designer
<b>Mobile Access compatible</b>	Yes (On request)