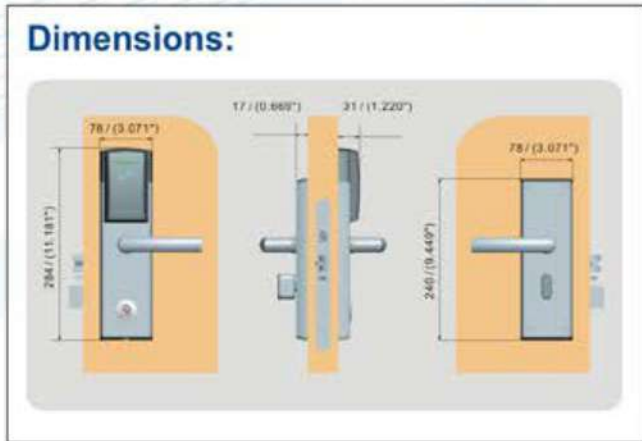


Electronic Hotel Lock

HL 100



Specification

Power : 4 x 1.5V AA alkaline batteries
 Battery Location : Inside of the back lock
 Material : Handles - Stainless steel quality SUS304
 Lock Body : Stainless steel quality SUS304
 Metal Finishes : Silver, Gold, Matte Black
 Emergency Opening Options : Emergency Opening with Mechanical cylinder
 Locking Mechanism : Electro-mechanical locking mechanism
 Door Thickness : 35-80mm (only for EURO mortise)
 System Software Compatibility : BIS Hotel
 Storage Temperature : Workable -20°C-60°C : Non-condensing environment
 Tested Operating Temperature : Tested from -25°C-70°C
 Certifications : Approved according to EN14846.
 Fire approved according to EN 1634-1
 Fire Approved according to UL (timber doors)
 Supported RFID Standard : ISO 14443 (MIFARE Classic)

Features :

- Stand alone electronic lock with RFID technology.
- High security stainless steel mortise lockcase available in ANSI, AUS and EURO versions.
- Stainless steel handle with high strength central spindle.
- 3-point stainless steel latch construction with antifriction mechanism.
- Mortise equipped 20mm throw high strength deadbolt.
- Panic release function - the deadbolt and latch are automatically retracted by inside handle for easy regress in emergency situation.
- ADA compliant (guest with physical disabilities).
- Future proof re-programmable FLASH RAM lock memory.
- Powered by four AA batteries that provide up to 1 year normal life time.
- 414 events audit trail.

RFID Specifications:

- 13.56MHz technology
- Compatible with the following standard : ISO 14443 A (MIFARE Classic)
- Eleven free sectors for future All-in-one card application use

Disclaimer: Brief specifications are mentioned here. Specifications may change without prior notice. Customers are advised to check with us before purchase. Actual product may differ slightly to that depicted for ongoing product development

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➔ Energy Saving Switch

Color: White (Standard)

Voltage: 180v- 220v(Standard) other voltages can be customized

Electric current: 30A (Standard) other voltages can be customized

Time: 10 -15 Sec (Standard)

Power: 7200W

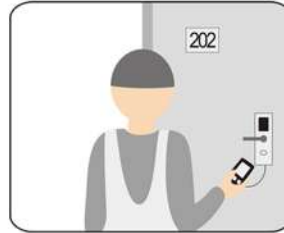
Case Material: Fireproof PC plastic

Features

- ▶ Generates a significant reduction in power consumption.
- ▶ It reads MiFare technology cards.
- ▶ Timed courtesy light; cuts the electric circuits after a minute delay.
- ▶ LED lights for easy location in the dark.
- ▶ No need to communicate with portable programmer.
- ▶ Compatible with hotel-secure ADVANCE RFID lock .

Handheld Service Unit Service Unit For Safes

Reliable and convenient handheld service unit is necessary for uploading Programs & data transfer to electronic safes. This handheld service unit will synchronizes programming between the PC to the safes



Specification

Voltage : 6V DC

Dimensions (LxWxD) : 155 x 80 x 28mm (6.1 x 3.15 x 1.1 inch)

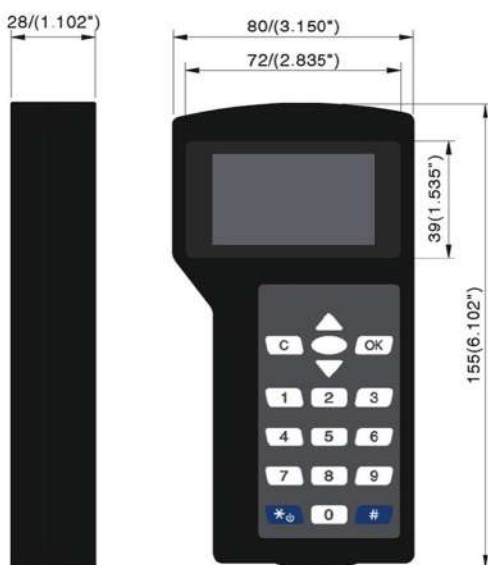
Battery Capacity : Minimum Operating time : 15 hours
Minimum standby time : 90 hours

Type of batteries : 4AA alkaline batteries -1.5V

Operation temperature : -10°C to 60°C

Storage temperature : -30°C to 75°C

Humidity resistance : 20% to 95% non-Condensing



Features :

- Humanized design with telephone style keypad
- Flash RAM memory
- 15 hours minimum operating time
- 90 hours minimum standby time
- Powered with 4 AA batteries
- Connect to safes through mini-USB Connector
- USB interface
- Compatible with all existing Be-Tech Harmony series Smart Safes
- Cable communication with safes



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RFID Encoder and Updater

This highly qualified and sophisticated RFID encoder and updater is embedded one single device. It is designed with functionality, reliability and durability in mind.



Specification

USB Host Interface

Protocol : USB HID Keyboard Class
Connector Type : Standard Type A
Power Source : From USB port
Speed : USB Full Speed (12 Mbps)
Supply Voltage : 5V
Supply Current : Max.200 mA
Cable Length : 2.0 m, Fixed

Contactless Smart Card Interface

Standard : ISO 14443 A and B Parts 1-4
Protocol : ISO 14443 T=CL for ISO 14443.4-compliant cards
T=CL Emulation for MIFARE Classic
Operating Frequency : 13.56 MHz
Operating Distance : Up to 50 mm (depending on card type)
Smart Card Read/Write Speed : 106 Kbps, 212 Kbps,
424 Kbps, 848 Kbps
Antenna Size : 65 mm X 60 mm

Physical Characteristics

Dimensions : 120.5 mm (L) X 72.0 mm (W) X 20.4 mm (H)
Weight : 140 g
Color : Black

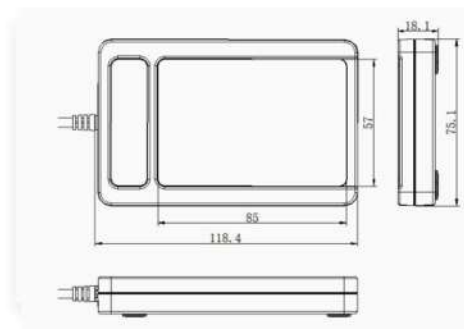
Built - in - Peripherals

LED : 2 single - color ; Red and Green
Buzzer : Monotone

Operating Conditions

Temperature : 0°C - 60°C
Humidity : Max. 90% (non-condensing)
MTBF : 500,000 hrs

Dimensions :



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Hotel Lock MF Cards

S50



Specification

- Contactless transmission of data and supply energy (no battery needed)
- Operating distance: Up to 100mm (depending on antenna geometry)
- Operating frequency: 13.56 MHz
- Fast data transfer: 106 kbit/s
- High data integrity: 16 Bit CRC, parity, bit coding, bit counting
- True anticollision
- Typical ticketing transaction: < 100 ms (including backup management)

Used For : Guest Card

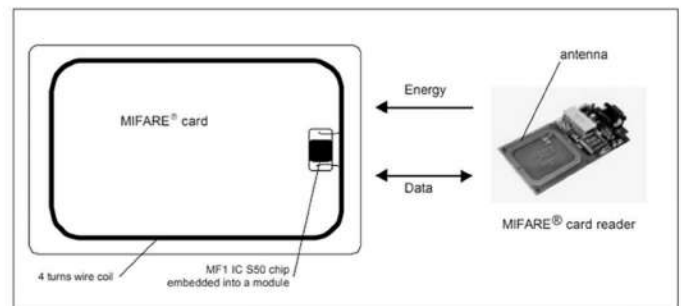
System ID Card

Lock Setting Card

Staff Card & Emergency Card

Security

- Mutual three pass authentication (ISO/IEC DIS9798-2)
- Data encryption on RF-channel with replay attack protection
- Individual set of two keys per sector (per application) to support multi-application with key hierarchy
- Unique serial number for each device
- Transport key protects access to EEPROM on chip delivery



5

Hotel Lock MF Cards

S70



Specification

Contactless transmission of data and supply energy (no battery needed)

- Operating distance: Up to 100mm (depending on antenna geometry)
- Operating frequency: 13.56 MHz
- Fast data transfer: 106 kbit/s
- High data integrity: 16 bit CRC, parity, bit coding, bit counting
- True anticollision
- Typical ticketing transaction: < 100 ms (including backup management)

Security

- Mutual three pass authentication (ISO/IEC DIS9798-2)
- Data encryption on RF-channel with replay attack protection
- Individual key set per sector (per application) to support multi-application with key hierarchy
- Unique serial number for each device
- Transport key protects access to EEPROM on chip delivery

Data Integrity

- 16 bits CRC per block
- Parity bits for each byte
- Bit count checking
- Bit coding to distinguish between "1", "0", and no information
- Channel monitoring (protocol sequence and bit stream analysis)

Used For : Time card , Authorizing Card and Query Card, Terminating Card

