Hotel Smart Locking Management System

Hotel Lock & Accessories
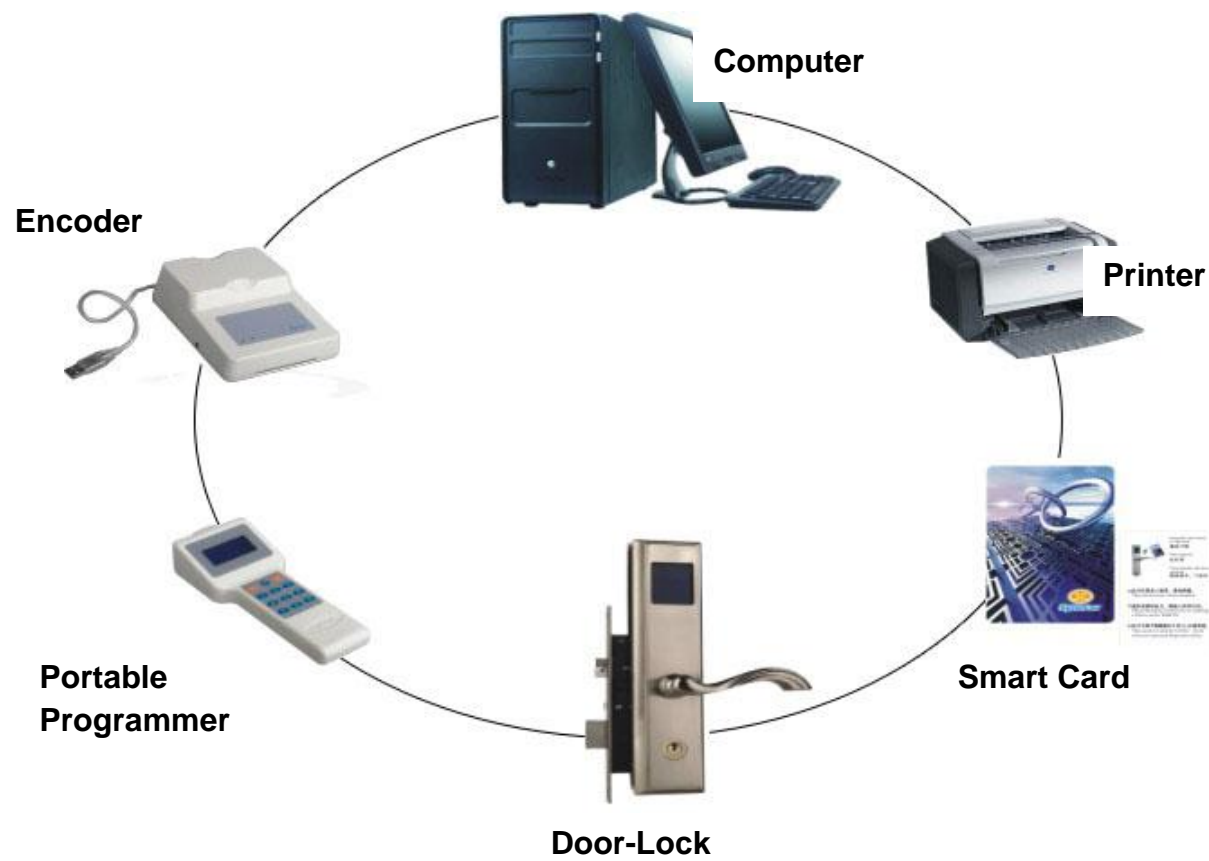
ABS SOFTWARE INTERNATIONAL SDN BHD

Contents

System Components

Computer

Encoder

Printer

Smart Card

Portable
Programmer

Door-Lock

Introduction of System Components

System Components	Detailed Information
Door-lock	RF card, IC Card etc of Syron are available
Computer	Competent of run Windows 3.1 operating system or above system
Software	Software is the system management, including the establishment of the state, setting locks, limited operators and cardholder's authority, read open records, etc.
Card W/R Device	Connected to serial/USB port of the computer, the card W/R Device is used to read and write information into the smart card
Setter	With LCD display and keypad, this setter is used as the communication channel to connect the deduction door-lock and the computer for system management
Smart Card	Selected chips from Siemens of Germany, Atmel of the United States, Philips of Holland

RF Card

RF card is a type of IC card used for contactless data transmission. It has such advantage as antisepsis, antimagnetic, waterproof, and long life span etc, and other features for instance contactless read & write, no directional requirements, mal-operation (e.g. read & write error due to poor contact) avoidable.

RF Card Lock

SY344BP *(Hot)*

PVD Brushed Zirconium

SY348BP *(Hot)*

Brushed Stainless Steel

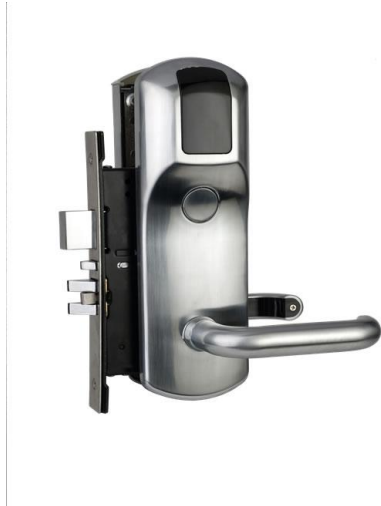| Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 12,000 times for RF card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

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SY343CP

Brushed Electroless Nickel

SY344CP

Brushed Brass

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
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SY343F

Zinc Alloy Electroless Nickel

SY344F

Zinc Alloy PVD

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 12,000 times for RF card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
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Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY344AP

Zinc Alloy Electroless Gold

SY347AP

Zinc Alloy Electroless Nickel

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 12,000 times for RF card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY544AP

Brushed Brass

SY547AP

Brass Electroless Nickel

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 12,000 times for RF card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY344H

Brushed Brass

SY345H

Brushed Electroless Bright
Chrome

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 12,000 times for RF card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY101-11 (Magnetic card + RF Card) *(New)*

Feature

- Magcard and RF card are supported.
- With a unique structure, installing and removing of the lock is easy. The electronic module is installed into the front panel, with maximum protection for the door lock, and giving reliability and security.
- Lock body size can be selected, meeting American and European standards.
- Exclusive ID card numbers for ensuring the guest's safety.
- Battery lifetime: For door openings, it normally can exceed 10,000 times.
- When low voltage alert, the door can still be unlocked another 50 times.
- The lock can identify up to 1000 RF cards.
- The lock can save up to 512 unlock records.
- Intelligent locking indication: If the door not be fully closed, the lock will alarm to indicate guest or waiter to close the door well.
- The door can be unlocked with mechanical key in case of an emergency.
- The lock can be set to a neutral mode, open the door by turning the handle.
- When the computer system is down, you can use the Emergency Administrate Card to issue a keycard on the lock directly.

Technical Data

- Power Supply: 6V, 4 AA batteries
- Driving mode: Motor & Bidirectional Control
- Working Temperature: -20°C- +65°C
- Dynamic Power Supply: About 200mA
- Working humidity: 20%- 90%
- Antistatic ability: > 1,500V
- Low Battery Alert: < 4.5V

Material: Zinc Alloy

Surface Finishing: Pearl Chrome

SY101-11

SY121-51 (RF Card) *(New & Recommed)*

Feature

- With a unique structure, installing and removing of the lock is easy.
- All of the electronic module is installed into the front panel, with maximum protection for the door lock, and giving reliability and security.
- Lock body size can be selected, meeting American and European standards.
- Exclusive ID card numbers for ensuring the guest's safety.
- Battery lifetime: For door openings, it normally can exceed 10,000 times.
- When low voltage alert, the door can still be unlocked another 50 times.
- The lock can save up to 512 unlock records.
- The lock can identify up to 1000 RF cards.
- Intelligent locking indication: If the door not be fully closed, the lock will alarm to indicate guest or waiter to close the door well.
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- When the computer system is down, you can use the Emergency Administrate Card to issue a keycard on the lock directly.

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- Power Supply: 6V, 4 AA batteries
- Driving mode: Motor & Bidirectional Control
- Working Temperature: -20°C- +65°C
- Dynamic Power Supply: About 200mA
- Working humidity: 20%- 90%
- Antistatic ability: > 1,500V
- Low Battery Alert: < 4.5V

Material: Zinc Alloy

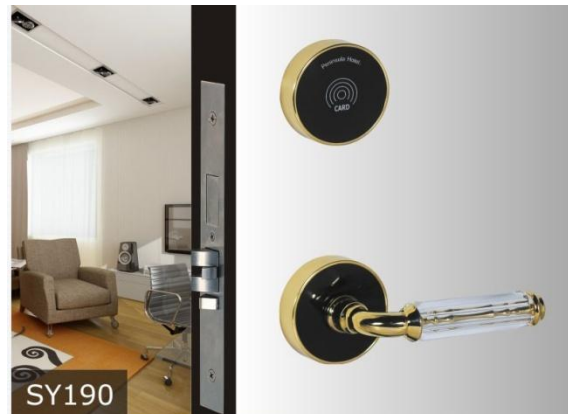## Surface Finishing: Birght Chrome

SY121-51
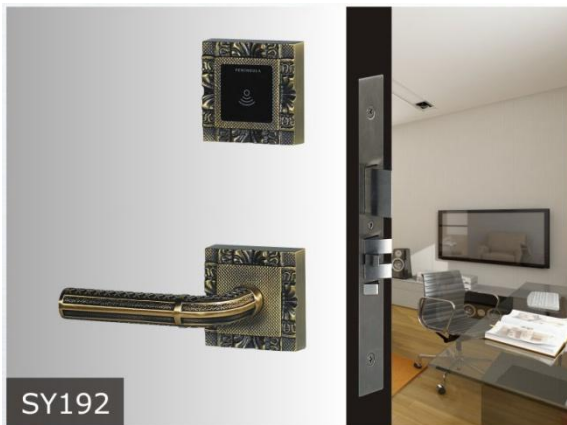
SY190 & SY192 (Split-type lock) *(New)*

Feature

- Round and square appearance, carved pattern designs well suited for luxury hotels.
- Split-Type lock: there is no requirement for fixed position.Lock body size can be selected, meeting American and European standards.
- Low power consumption technology, greatly increases the lifetime of battery.
- Exclusive ID card numbers for ensuring the guest's safety.
- Battery lifetime: For door openings it normally can exceed 10,000 times.
- When low voltage alert, the door can still be unlocked another 50 times.
- The lock can save up to 512 latest unlock records.
- The lock can identify up to 1000 RF cards.
- Intelligent locking indication: If the door not be fully closed, the lock will alarm to indicate guest or waiter to close the door well.
- The door can be unlocked with the physical key under emergency conditions.

Technical Data

- Power Supply: 6V, 4 AA batteries
- Driving mode: Motor & Bidirectional Control
- Working Temperature: -20°C- +65°C
- Dynamic Power Supply: About 200mA
- Working humidity: 20%- 90%
- Antistatic ability: > 1,500V
- Low Battery Alert: < 4.5V

SY190

Surface Finishing : Spray painting

SY192

Surface Finishing : Antique bronze

IC Card

IC card has such good performances as large memory capacity, antimagnetic, antistatic, strong anti-interference capability, high reliability of read & write, encryption for prevention of malicious duplication, self-destruction after three-time error of code validation, all of which can strictly guarantee security

IC Card Lock

SY324BP *(Hot)*

PVD Brushed Zirconium

SY328BP *(Hot)*

Brushed Stainless Steel

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 20,000 times for IC card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY323CP

Brass Electroless Nickel

SY324CP

Brushed Brass

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 20,000 times for IC card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY324AP

Zinc Alloy Electroless Gold

SY327AP

Zinc Alloy Electroless Nickel

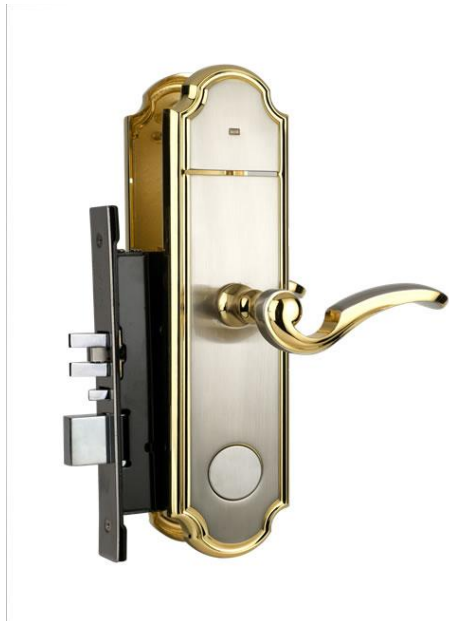| Technical Data	
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Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY524AP

Brushed Brass

SY527AP

Brass Electroless Nickel

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 20,000 times for IC card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
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Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY334F

Zinc Alloy PVD

SY333F

Zinc Alloy Electroless Nickel

Technical Data	
Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 20,000 times for IC card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
Working humidity:	20%- 90%
Working Temperature:	-20°C- +65°C

SY334H

Brushed Brass

SY335H

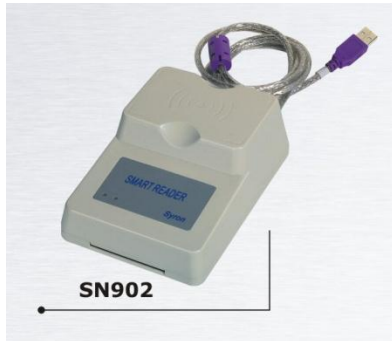Brass Electroless Bright Chrome

Technical Data

Driving mode:	Motor/ motor & mechanicdual control
Working Power:	1.5v alkaline battery X 4
Battery Life-span:	about 20,000 times for IC card
Low-voltage Warning:	when low-voltage warning is given, the door can still be opened 50 times
Opening Time:	Effectively open the door within six seconds after inserting the card overtime the door will be locked again automatically to guarantee security
Illegal Card:	The PCB will not be damaged when any illegal card, especially conductive metal card, is inserted into the lock. The lock can still work normally under such condition.
Antistatic ability:	Above 15,000V
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Working Temperature:	-20°C- +65°C

Accessories

Card Encoder

SN902 & SN905

- With the hotel management software you can also issue the staff cards and guest cards.
- Fast read the information on staff and guest cards.
- Password card supported, when it is inserted, no more password is needed.
- The Card Encoder is connected to the PC through a standard USB port.

Portable Programmer

SN920

Through the Encoder with USB port connected to PC

Feature

- **Setup function**
  a. Portable Programmer connected with a PC, exchanging data.
  b. Synchronize the clock in the locks.
  c. Transmitting room data to door locks, including room number, public data and working time periods, etc.
  d. Collect all data of unlock records from the locks.
- **Audit function**
  a. The Portable Programmer contains a built in real time clock, it can be used to check and calibrate clock on door locks.
  b. The Portable Programmer can be used to check the battery status.
  c. The Portable Programmer can be used to check any reason for unlocking failure.
  d. Can exchange information with PC through USB port of the Encoder; exchanging information with the door lock wireless.

Energy Saving Switch

SN930

Feature

- Getting power with room card only, any other substitutes are rejected.
- Shell of the switch is a fire-proof material.
- Pilot light on the switch, make it easy for the guest.
- Once the switch is broken, internal relay still keeps connecting status to provide power for using.
- Steady output voltage, simply installation.
- Automatically power off with 15 seconds delay after removing out the card.
- General and special type for selection. Special types can be customized, such as room number or time identifying

Technical Data

- Voltage: 175~250V, 90~130V
- Amp: 16A
- Dimensions: 86mm*86mm
- Nonworking status: Red indication light
- Working temperature: -40°C~+50°C
- Working humidity: 50%~95%
- Application: IC card/ RF card
- Body: Fire proof materials

Who are using Syron*?

1. Tower Regency Hotel (Ipoh, Malaysia)
2. Best Western Hotel (Pangkor, Malaysia)
3. T Hotel (Changlun, Malaysia)
4. T Hotel (Kuala Perlis, Malaysia)
5. Ecotel Hotel (Buttwerworth, Malaysia)
6. Etc.

* Syron Electronic Hotel Door Lock

Contact Us

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