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SMART DOOR LOCK
PUSHPULL SYSTEM Co., LTD

SETTING WiFi

WWW.BABALOCK.COM

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DIGITAL DOOR LOCK

Pushpull System Co., Ltd

Pushpull System is constantly putting efforts in creating, developing and improving home network system based on IOT for safer and more convenient residential's comfort.

Premium Smart Digital Doorlock

As an emerging smart home systems developer, Pushpull System Co., Ltd is being globally recognized with its new innovations in smart lock market. Through constant research and development efforts, company has acquired a number of patents including "Anti-shake technology patent", "Anti-flow technology patent" for indoor and smart door locks. As a result of recent innovations, Pushpull System has introduced brand new smart locks for hotel or residential applications. Company core competence lies in a number of smart lock innovations that fully satisfy high quality requirements set by Korean quality standards.

Since the day of establishment, company has been manufacturing, selling and promoting a number of smart lock innovations under BABA brand name. A strong focus on smart home industry is the primary objective to develop new digital door locks with new features like Wi-Fi, biometric fingerprint, mobile applications. With a huge attention to creating networking hub with a central role of smart lock, company introduces new smart locks that can be controlled through mobile phones via Wi-Fi or Bluetooth connection. Moreover, company has its own hotel management software for offline control of hotel and hotel lock management.

In order to grow globally, Pushpull System is actively establishing new overseas branches, agencies and dealerships in different countries including China, Vietnam, India, Malaysia, Kenya and others. Participation in various exhibitions held in Myanmar, USA, Indonesia, Malaysia, Vietnam, Thailand, Russia, Poland is to strengthen BABA brand name internationally.

As always, Pushpull System promises to create the best value of smart home technologies for safer, better, more advanced and convenient smart home experience.

A Korean company creates the best digital door locks all over the world.

"Wifi Module function"
"With gap correction function"

Pushpull system Co., Ltd. is a company specialized in developing door lock and innovative lock designs and developing structural door locks to prevent the doors from shaking. It is a door lock company that researches, develops and manufactures door locks, magnetic door locks that are safe and free from shaking even though there are no protruding latches and protruding latch guides.

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SMART LOCK

1	2	3
4	5	6
7	8	9
*	0	#

CARD

9V

PUSH PULL
SYSTEM

BABA - 8301
Smart Home

HISTORY

2002~ 2013
- Pushpull System Co., Ltd. establishment
- Awarded with Gold Prize at Korea Patent Technology Competition (Minister of Commerce, Industry and Energy)

2014
- Acquired invention patent for latch assembly
- Gold Prize in Moscow International Invention and New Technology Exhibition
- Moscow Volga University of Technology Special Award
- Republic of Moldova Special Award
- Gold Prize in Malaysia International Invention, Innovation and Technology Exhibition
- Special Prize of Polish Invention Association
- Received Special Prize in Russia International Science and Technology Council
- Taiwan Invention Promotion Association Special Award
- Registered its the 1st factory in Hongik University in Sejong
- Acquired trademark registration Pushpull system
- Gold Prize, Pittsburgh Invention & New Technology Exhibition, USA
- Taiwan Inventors Association Special Award
- Acquired patent for digital door lock device
- Seoul International Invention Exhibition Gold Award and Invention Promotion Association Special Award

2015
- Selected as one or 2015 Small Business Corporation HIT500
- Certificate of establishment of a company research institute (Ministry of Science, ICT and Future Planning / Korea Industrial Technology Association)
- Magnetic door lock development

HISTORY

2016
- Development of remote control digital door lock capable of two-way communication
- Completed development and sales of magnetic door lock
- Selected as 2016 HIT500 Product by Small and Medium Business Corporation

2017
- Completed the development and sales of door lock for entrance prevention to prevent the shaking
- Completed development of remote control digital door lock that enables two-way communication
- Completed the development of digital the door lock for preventing the flow Disableds business registration
- PPS Registration
- Received the Patent Commissioner's Prize for Corporate Logo Design
- Magnetic Door Lock Patent Office Prize Award

2018
- Moved to Daedeok Research Complex, R & D Center ETRI(Korea Electronics Telecommunications Research Institute) Convergence Technology Research Production Center 6F
- Selected as HIT500 product by Small and Medium Business Corporation
- Awarded with the prize by Minister of Small and Medium Venture Business
- Established the 2nd factory in Yeong-dong, Sejong City

2019
- Acquired the patent for digital door locks based on block chain technology
- Established overseas branch in Hanoi, Vietnam
- Released 8 new digital door locks
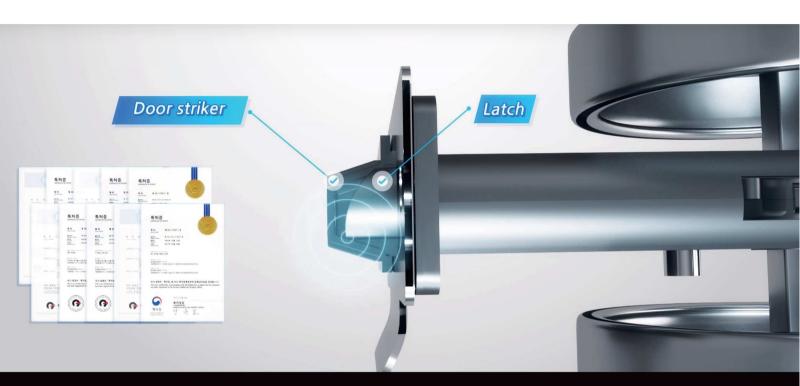- Launched three door locks with the new technology

Fingerprint

LED Lamp(on,off)

Number Panel

Reset Button

Smart Card Reader

Low Battery Alarm

9V Emergency Power Contact

Emergency Key

Handle

Deadbolt

Latch Bolt

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SMART LOCK

1	2	3
4	5	6
7	8	9
*	0	#

PUSH PULL
SYSTEM

BABA - 8301
Smart Home

Korean company that manufactures the best digital door locks all over the world

SMART Door Lock Evolution

SMART door lock increases the value of practicality and stability with its simple design
Without worrying about hacking, you can rest peacefully anytime, anywhere with BABA door locks.

Door striker

Latch

Smart door lock with anti-shake
technology patent for safe and
unshakable door lock satisfaction

BABA-8201   BABA-8301   BABA-8200   BABA-8300

Handle type

4-WAY SMART DOOR LOCK	3-WAY SMART DOOR LOCK
• It is a high-grade door lock that can be used for multipurpose entrance doors such as general homes and apartments that support various opening methods.	• It is an entry-level door lock that can be used for multi-purpose entrance doors such as homes and apartments that support the general opening methods.
• Open way: 4-way (Fingerprint + Password + Card Key + Emergency Key)	• Open way: 3-way (Password + Card Key + Emergency Key)
• Model name: BABA-8201, BABA-8301	• Model name: BABA-8200, BABA-8300

Door locks in various colors

	Card type	BABA-8111	BABA-8211	BABA-8311
	Ticketing Type	BABA-8112	BABA-8212	BABA-8312

BABA-8100

2-WAY SMART DOOR LOCK

- It is an entry-level door lock that can be used for multi-purpose entrance doors such as houses, apartments that support the general opening methods.
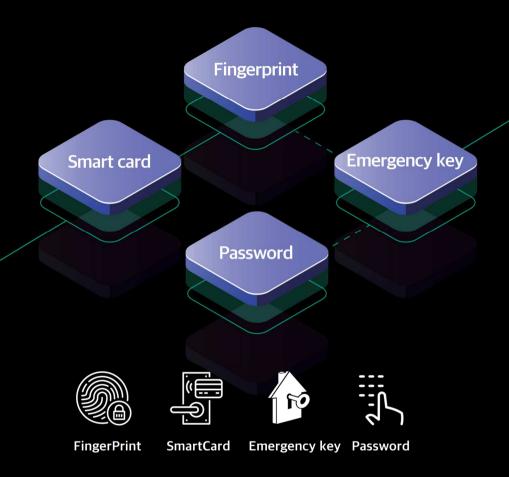- Open way: 2-way (Password + Card Key)
- Model name: BABA-8100

SMART HOTEL LOCK

- Hotel locks supported with opening methods or ticketing and registering that can be used in hotels and multi-user places.
- Open method: Ticketing type, registration type
- Model name: BABA-8111, BABA-8211, BABA-8311

Fingerprint

Smart card

Emergency key

Password

FingerPrint   SmartCard   Emergency key   Password

Four types of Open & Close Functions

4-WAY Authentication Method

There are four ways to open the door: Fingerprint, Smartcard, Password,
and Emergency Key. If you lose your Smart card, you can use it with
confidence by deleting the existng data and re-registering
the extra smart card

Master Card, Master Password	YES
One-time Password	YES
Capacity(PIN, Card, Fingerprint)	20 passwords, 50 cards, 100 fingerprints
Mechanical Override Key	YES (2Keys)
Status Indicating LED Light	YES
Reset Button	YES
Door Thickness	35mm ~ 100mm
Intercom System / Remote Control	YES (Optional)
Emergency Battery	YES
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Anti-theft Mode Function	YES
Silent Mode	YES
WiFi & Bluetooth	YES (Optional)
Automatic and Manual Locking	YES
Imaginary password function	YES
Double Locking	YES
Away Mode for Long Term Leave	YES
Voice Output and control	YES (Eng,Kor,Cn,Viet,)

Rated Voltage	AAtype Alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold Separately)			
Operation method	Digital Function (Password, Card, Key, Fingerprint)			
Weight	3.4kg (includng inner and outer parts)			
Height	Inner part	90mm(w)*350mm(h)*70mm(D)		
	Outer Part	90mm(w)*305mm(h)*70mm(D)		
Classification	Frequency	Wave type		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	4-Way			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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8201 Series

For Customer Convenience

Voice Announcement Function

Voice announcement function helps customers to understand
more about product setting and can do setting
without reading user manual

Master Card, Master Password	YES
One time Password	YES
Capacity(PIN,Card,FingerPrint)	20 passwords, 50 cards, 100 fingerprints
Mechanical Override key	YES (2Keys)
Status Indicating LED Light	YES
Reset button	YES
Door Thickness	35mm ~ 100mm
Intercom System / Remote Control	YES (Optional)
Emergency Battery	YES
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Anti-theft Mode Function	YES
Silent Mode	YES
WiFi & Bluetooth	YES (Optional)
Automatic and Manual Locking	YES
Imaginary password function	YES
Double Locking	YES
Away Mode for Long Term Leave	YES
Voice Output and control	YES (Eng,Kor,Cn,Viet,)

Classification				
Rated Voltage	AAtype Alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold separately)			
Operation method	Digital Function (Password, Card, Key, Fingerprint)			
Weight	3.6kg (includng inner and outer parts)			
Height	Inner part	90mm(w)*350mm(h)*70mm(D)		
	Outer Part	90mm(w)*350mm(h)*70mm(D)		
Classification	Frequency	Wave type		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	4-Way			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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8301 Series

Without circuit damage
Electric Shock
Neutralization Function

This product has passed the special test to experiment electric shock and prevents
the door from being opend by unauthorized electric shocks, so it does not
open even when high voltage is artificially applied from the outside.

Master Card, Master Password	YES
One time Password	YES
Capacity(PIN,Card)	20 passwords, 50 cards
Mechanical Override key	YES (2Keys)
Status Indicating LED Light	YES
Reset button	YES
Door Thickness	35mm ~ 100mm
Intercom System / Remote Control	YES (Optional)
Emergency Battery	YES
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Anti-theft Mode Function	YES
Silent Mode	YES
WiFi & Bluetooth	YES (Optional)
Automatic and Manual Locking	YES
Imaginary password function	YES
Double Locking	YES
Away Mode for Long Term Leave	YES
Voice Output and Control	YES (Eng,Kor,Cn,Viet,)

Classification				
Rated Voltage	AAtype Alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold Separately)			
Operation method	Digital Function (Password, Card, Key)			
Weight	3.4kg (Includng inner and outer parts)			
Height	Inner part	90mm(w)*350mm(h)*70mm(D)		
	Outer Part	90mm(w)*305mm(h)*70mm(D)		
Classification	Frequency	Wave type		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Open	Opening methods (3-Way)			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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8200 Series

Perfect protection against fingerprint hacking
Biometric fingerprint recognition

It is powerful security system that prevents fake fingerprints by authenticating capillaries, blood flow and sweat glands with biometric security technology that can never be opend without you.

Master Card, Master Password	YES
One-time Password	YES
Capacity (Pin,Card)	20 Passwords, 50 Cards
Mechanical Override key	YES (2Keys)
Status Indicating LED Light	YES
Reset button	YES
Door Thickness	35mm ~ 100mm
Intercom System / Remote Control	YES (Optional)
Emergency Battery	YES
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Anti-theft Mode Function	YES
Silent Mode	YES
WiFi & Bluetooth	YES (Optional)
Automatic and Manual Locking	YES
Imaginary Password Function	YES
Double Locking	YES
Away Mode for Long Term Leave	YES
Voice Output and Control	YES (Eng,Kor,Cn,Viet,)

Classification				
Rated Voltage	AAtype alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold separately)			
Operation method	Digital function (password, card, Key)			
Weight	3.6kg (includng inner and outer parts)			
Height	Inner part	90mm(w)*350mm(h)*70mm(D)		
	Outer Part	90mm(w)*350mm(h)*70mm(D)		
Classification	Frequency	Wave type		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	3-Way			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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SMART LOCK

PUSH PULL SYSTEM   BABA-8300 Smart Home

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8300 Series

Stop worrying about outside!

Life Waterproof Function

It works normally even in an environment exposed to the outside.
if you do not have direct rain exposure,
you can use it with confidence.

Master Card, Master Password	YES
One time Password	YES
Capacity(PIN,Card)	20 passwords, 50 cards
Mechanical Override key	NO
Status Indicating LED Light	YES
Reset button	YES
Door Thickness	35mm ~ 100mm
Intercom System / Remote Control	YES (Optional)
Emergency Battery	YES
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Anti-theft Mode Function	YES
Silent Mode	YES
WiFi & Bluetooth	YES (Optional)
Automatic and Manual Locking	YES
imaginary password function	YES
Double Locking	YES
Away Mode for Long Term Leave	YES
Voice Output and control	YES (Eng,Kor,Cn,Viet,)

Rated Voltage	AA_type Alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold separately)			
Operation method	Digital Function (Password, Card)			
Weight	3.1kg (Includng inner and outer parts)			
Height	Inner part	90mm(w)*295mm(h)*69.2mm(D)		
	Outer Part	79.43mm(w)*230mm(h)*69.2mm(D)		
Classification	Frequency	Wave type		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	2-Way			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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8100 Series

1000℃

Open From Inside, Block From Outside
Fire prevention system function

In case of detecting abnormal temperature higher than 60℃,
when the load alam will sound and the door automatically opens for quickly
evacuation, this is the smart door lock that passed the test for fire resistance
under high temperature above 1000℃.

Connection type	Home network, interworking 447,275MHz
Application	Hotel, Motel, Guest House
Opening way	Card
Mechanical Override key	NO
Status Indicating LED Light	YES
Reset Button	YES
Door Thickness	35mm ~ 100mm
Card issuance type	Master, Maid, Setting, Guest
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Silent Mode	YES
Card Specification	RFID Type (13.55MHz)
WiFi	YES(Optional)
Manual Locking	YES
Microsoft Program	8112 YES(offline)
Emergency Battery	YES

Rated Voltage	AAtype alkaline 1.5V batteries(LR6) 4pcs		
Emergency power	9V Battery (6LF22) 1PCS (Sold separately)		
Operation method	Digital function (card)		
Weight	3.1kg (includng inner and outer parts)		
Height	Inner part	90mm(w)*295mm(h)*69.2mm(D)	
	Outer Part	79.43mm(w)*230mm(h)*69.2mm(D)	
Classification	Frequency	Wave type	
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	3-Way		
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating temperature : 60 ℃		
Safety serial number	B223H006-6004 / B223H006-6003		
Category and Mark	F-T-NK-M / F-T-K-M		
Serial number	MSIP-CMM-H1P-7190		
Product Material	Iron, Zinc, Al Die casting		

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8111 / 8112 Series

Forced intrusion? No!
Intrusion Detection
Alarm Function

When a door is detected being opend in an abnormal way while
the door is locked, a powerful 80dB alarm is sounded to
alert neighbors to prevent robbery.

Connection type	Home network, interworking 447,275MHz
Application	Hotel, Motel, Guest House
Opening way	Card, Key
Mechanical Override key	YES (2Keys)
Status Indicating LED Light	YES
Reset button	YES
Door Thickness	35mm ~ 100mm
Card issuance type	Master, Maid, Setting, Guest
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Silent Mode	YES
Card Specification	RFID Type (13.55MHz)
WiFi	YES (Optional)
Automatic and Manual Locking	YES
Microsoft Program	8212 ticketing type YES(offline)
Emergency Battery	YES

Rated Voltage	AA_type Alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold separately)			
Operation method	Digital function (card)			
Weight	3.4kg (includng inner and outer parts)			
Height	**Inner part**	90mm(w)*350mm(h)*70mm(D)		
	Outer Part	90mm(w)*305mm(h)*70mm(D)		
Classification	**Frequency**	**Wave type**		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	2-Way			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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8211 / 8212 Series

Touch with your hands and numbers light up
One-Touch Function

All operations are easy to use and advanced with
one-touch operation with a touch of a finger

Connection type	Home network, interworking 447,275MHz
Application	Hotel, Motel, Guest House
Opening way	Card, Key
Mechanical Override key	YES (2Keys)
Status Indicating LED Light	YES
Reset button	YES
Door Thickness	35mm ~ 100mm
Card issuance type	Master, Maid, Setting, Guest
Low Battery Alarm (LED)	YES
Fire Safety Function	YES
Silent Mode	YES
Card Specification	RFID Type (13.55MHz)
WiFi	8312 YES(Optional)
Manual Locking	YES
Microsoft Program	YES (offline)
Emergency Battery	YES

Rated Voltage	AA_type alkaline 1.5V batteries(LR6) 8pcs			
Emergency power	9V Battery (6LF22) 1PCS (Sold separately)			
Operation method	Digital function (card)			
Weight	3.6kg (includng inner and outer parts)			
Height	Inner part	90mm(w)*350mm(h)*70mm(D)		
	Outer Part	90mm(w)*350mm(h)*70mm(D)		
Classification	Frequency	Wave type		
RFID	13.56MHz	A1D	ASK	Short wave
Safety system	447.275MHz	F1D	FSK	Short wave
Opening methods	2-Way			
Environment	DC 6V(1.5VAAX8EA) Operating Temperature : -15~55 ℃ Sensor Operating Temperature : 60℃			
Safety serial number	B223H006-6004 / B223H006-6003			
Category and Mark	F-T-NK-M / F-T-K-M			
Serial number	MSIP-CMM-H1P-7190			
Product Material	Iron, Zinc, Al Die casting			

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8311 / 8312 Series

Lock can controlled no matter where you are

Smart App Compatible

Through WiFi connection, look system can be controlled
via mobile application with real-time control

State-of-the-art fingerprint identification

A fast and accurate fingerprint recognition system makes it easy for everyone in your family to open the door without having any fingerprint trace.

Smart APP compatible

Through the app connected to Wi-Fi, you can check the real-time door lock status and manage accessor records, one-time password issuance, registered user information, etc.

Voice announcement

The voice announcement instructs you how to use and operate door lock easily and conveniently.

Imaginary password

If you are concerned about exposing your password to others, you can secure your password by entering any numbers before your actual password. (Max. 20 digits)

Temperature sensor

If an abnormal high temperature is detected inside the house, a quick evacuation alarm will sound and the door will open every 3 seconds to unlock the door automatically.

External double lock

To be more secure, you can use external double lock functions when going out for a long time. Strong alarm sound will be generated when door opened using handle or opened by force.

Internal double forced lock

With internal double lock function, attempting a card or fingerprint will cause the LED to flash and all authentication methods except the master will be rejected, disabling all external opening methods except for master or override key.

Register 50 Cards

In addition to the card key that comes standard, it is equipped with a large memory that can register up to 50 cards for both: general registration and individual registration.

Intrusion detection and breakage alarm

When door opening is detected in abnormal way while the door is locked, 80dB powerful alarm sound is generated to inform neighbourhood to prevent theft damage.

Door shake prevention

The patented unique feature automatically catches the swing door lock interval to prevent outside noise when there is wind or strong noise outside.

Master Manager

You can manage you lock with master card or master password. Even if you delete actual password and card, master function will be maintained unless you set factory reset..

One-time password display

Temporary password is issued for short-time visitor and the password is deleted after one-time use.

Etiquette Mode Function

If you have to use smart lock frequently during late nights, or have young children, you can temporarily mute the door lock keystrokes or door volume for your family and neighbors.

Battery replacement alarm

When the battery replacement time is approaching, a specific melody sound is generated and the keypad LEDs flash to inform the replacement time in advance so you can manage the disch arge.

5-WayAuthentication method

There are 5 ways of fingerprint, key, password, card and remote control. If you lose your smart card, you can delete the lost smart card by deleting the existing data and re-registering the extra smart card.

One touch method

One-touch operation that can be operated simply by touching smart lock number panel screen, all operations are easy and advanced.

Battery discharge, emergency power supply

In case of sudden battery discharge, you can open the door temporarily with 9V battery through external emergency power terminal in case of emergency and replace all the batteries.

100 fingerprints can be registered

With general registration mode, 20 fingerprints can be registered at one time only. However, with individual registration mode, up to 100 fingerprints can be registered at any time.

Electric shock neutralization

This product has passed the 200th electrical shock immunity test and is designed to prevent the door from opening even if hight electric pressure is artificially applied from the outside.

PUSH PULL
S Y S T E M

www.babalock.com

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