

E-Focus

Enjoy safe and facility



www.epordo.com



Hotel lock

Keycard lock is a new type lock which unlock for people by read a card instead of insert key. Nowadays people ask do more in less time by a easy and comfortable way for everything. It is called 'user friendly' or 'human-oriented'. All products try to take more good experience for users all over the world. How can you image a guy take out a couple of keys and try to find a correct room key. At the same time his family stand beside him waiting impatiently. It can't happen especially in people's holidays in a hotel. They come to enjoy the happy time but not take much time in search or find different ways to keep keys safely so that they won't change a whole cylinder or pay for lost when they lost keys carelessly.

Guest should not cause a serious trouble in case they lost the key by careless. For the unlock solution, there should be a solution for the people. Hotel should offers a good experience for their guests.

Traditional lock and key is no longer suitable for the life fills in high speedy and high efficiency. Keycard lock gives you a replace solution. We called it hotel lock because this new type lock is accept by hotels firstly rather than ordinary family. In the hotel, the unlock solution is much more important than a ordinary family. The familists usually don't care take keys because they always takes a same quantity keys. They are used to that. But in hotels, the guest will be scared when the receptionist give several keys to them and tell them you should keep it well otherwise we will collect lost and you take charge of the room theft when you lost it or it been stolen'.

Guests should find a key ring to save it unless they have a purse within key rings function. Any way it is not easy and comfortable than add a card in purse which is in same size as credit card or most of name card. Once it is stolen, in case the guest can report to receptionist on time, the lost card can be do loss report. It becomes no value for the thief. Card can be purchased in big quantity at a low price.

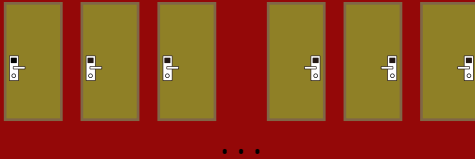
A professional and low cost hotel lock solution is perfect for both hotels and guest. They can release their hands and minds to have a rest. Fortunately most hotels already learn the advantage of keycard locks however they don't know how to choose the one suitable for them.



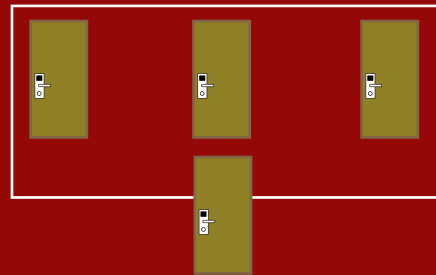
Communication is powered by 3DES (Triple DES) encryption algorithm.



Each E-Focus hotel lock lock is built-in real-time clock and memory. It can know card is correct or not and card is valid or expired already.



1 Guest card for 8 doors(rooms) MAX.
1 Area card for without limit Qty doors.



1 card for the apartment including maindoor and indoors.



1 card =room + public(common) door + parking available.
(Parking application requires support from parking solution vendor)



1 card or limitless Qty cards for 1 door.

Beep!

Hotel Lock System™

All E-Focus hotel lock product is integrated in powerful software which support all programming works.



Powered by standard AA(LR6) battery. Purchased able wherever you are.
4pcs gives more than 12 months life.



RFID hotel lock's main control chip comes from NXP.



IC hotel lock's main control chip comes from SIEMENS.

Generally such a system is made up of following elements.

Holder- Hotel staff and guests who hold cards to enter doors.

Lock E-Focus Hotel lock model RFID or IC installed in doors.
It controls access by identifying correct and valid keycards.

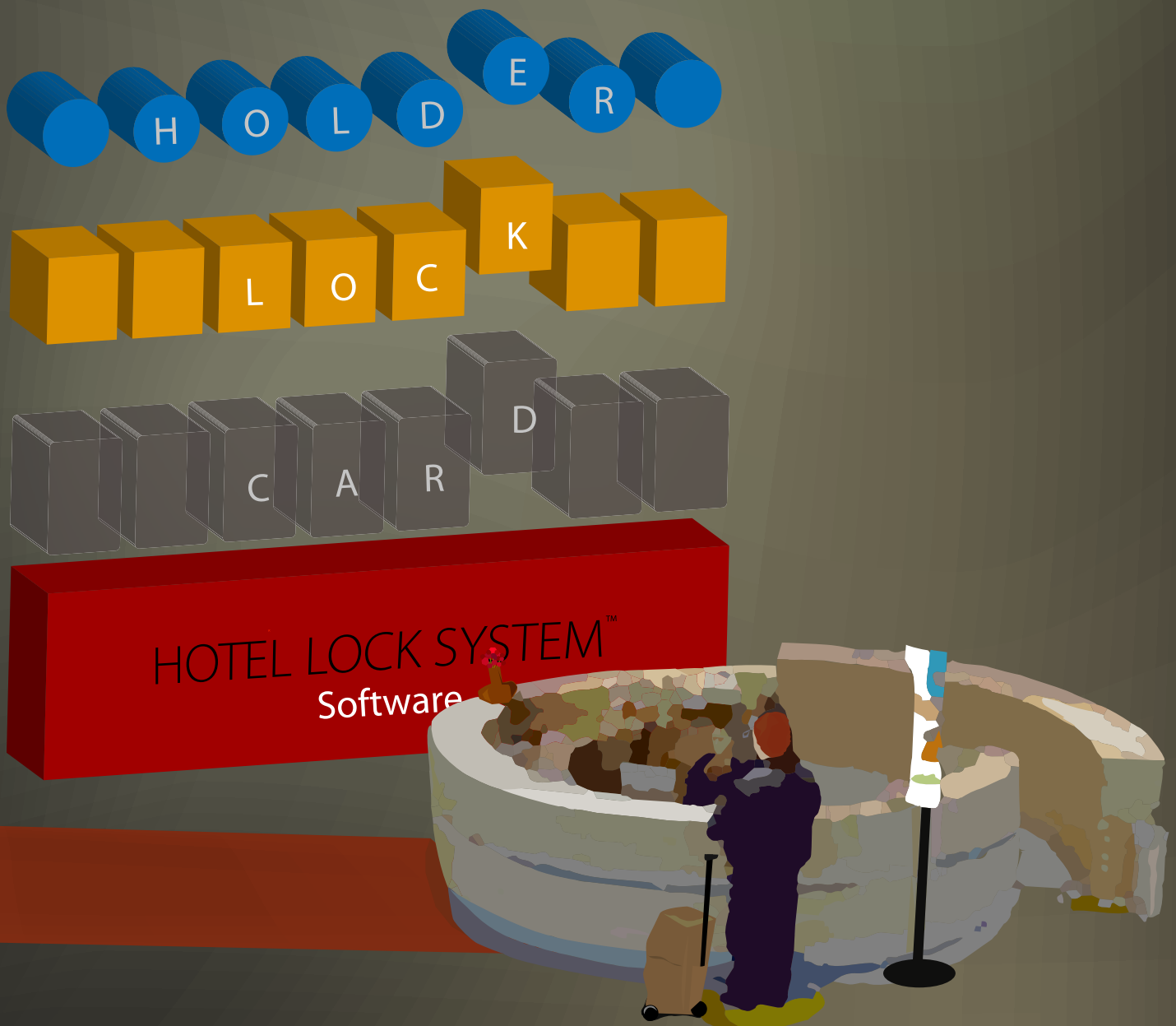
Card- RFID or IC cards

Hotel Lock System software- Hotel owner keeps and programming card for all holders.
This is the source that programmed cards comes from.

In such a system, all operating is done in the card.

Receptionist(hotel staffs) do issue cards for guests and other staffs. They hold the cards and to get the right enter one or several pointed rooms without mistake or cheat happen able.
What you should do is replace battery every year. When the owner need do tracking some guest or staffs he can download the lock events to tracking a certain holder.

Maintenance of hotel unlocking becomes easy and low cost than before time when using the traditional mechanical lock.



E-Focus® HOTEL LOCK SYSTEM™

This is a software written by VC++.It manage database by Microsoft® ActiveX® Data Objects which offers stable, high effective and widely compatibility performance to software.
The software allows user make it working together with the PMS(Property Management System) such as Fidelio.

Each unit E-Focus Lock product(RFID and IC) is integrated in E-Focus®Hotel Lock System™ by the way identify the cards programmed by this software.Different card saves a limited using term and room ID after done programmed. So card becomes a middle media between card holder and hotel.

Safe-

By the lock and system's combined action,once hotel equipped them,there will be no over staying, no unpay staying, no staff steal, no staff cheat.
All unlocking has been record track able on lock.
All operating will be force saved in system.
No other hotel card use available.

High efficiency-

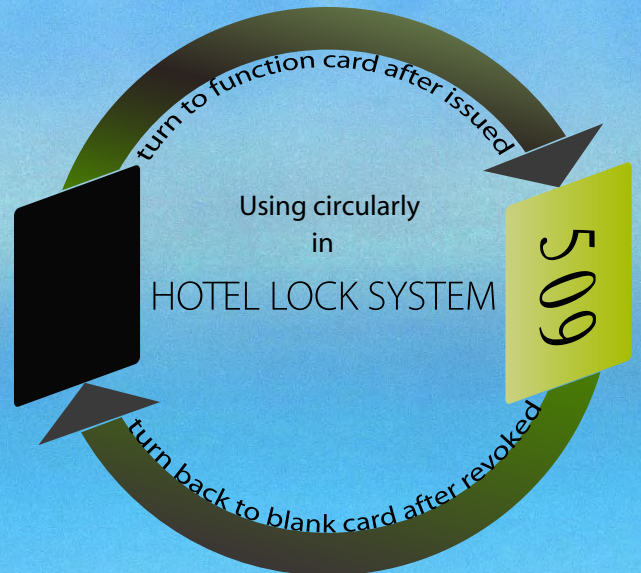
Powerful room search filter,9sec find the proper rooms.
9sec complete card issue.
Keyboard operating available.

Low cost-

Software support most popular Microsoft OS including Win2000/2003/XP/Vista
No need use a popular or top configuration computer.
All cards programmed could be erased and cycle using.
Free update new function service.

Easy use-

Easy read icons and letters show room status by large block.
Mouse and keyboard for all operation.
Full using guide included in.



Model MA118--MI

- * USB port
- * Card detect light
- * Small size
- * Support MIFARE 1K RFID card

* Model MA118-IC

- * USB port
- * Card detect light
- * Small size
- * Support SLE4442 IC card





In fact such a system based on card and room management can be widely used wherever requires a unlocking solution that by keycard,

Also E-Focus can offer the special function or appearance customize service for user.

Following list the all function cards type can issued from system.

Authorized card *2	×	×	×	Register Hotel lock system. Initialize and revoke initialized locks E- Focus offers. One hotel hold 1pc
Function card	unlock normal locking	unlock a group locks	unlock dead bolt	function
Time card	×	×	×	Activate clock built-in locks and energy saving switch when initialize it. New installed locks read ONCE.
Room Setting card	×	×	×	Set rooms' (common doors) ID on the locks when initialize it. New installed read ONCE/lock.
Check-out card	×	×	×	Force revoke the current guest card on the room.
Data startup card *3	×	×	×	Boot in the lock events download device/card.
Guest card	○	×	×	Unlock locks in a limited time. Guest hold.
Floor card	○	○	×	Unlock all locks in a certain floor. Max 4 random floors in 1 card. Using time limit able
Area card	○	○	×	Unlock locks in a same customized area. Max 4 random areas in 1 card(area range required defined when build rooms). Using time limit able
Building card	○	○	×	Unlock all locks in a certain building. Max 1 building in 1 card. Using time limit able
Master card	○	○	○	Unlock all locks including dead bolt. Using time limit able.
Passage card	○	○	○	Unlock all locks and make it into passage mode which allows unlock without card. Using time limit able.
Emergency card	○	○	○	Unlock all locks and make it into passage mode. Using time limit able.
Loss-report card	×	×	×	Revoke keycard which lost by chance.

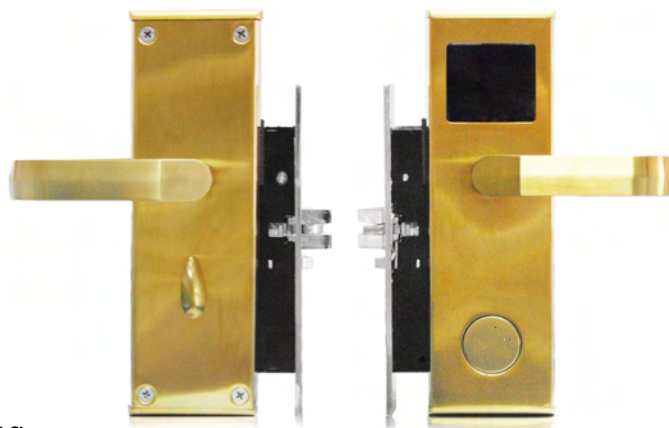
*2. Each Authorized card has a unique 8 digits hotel code.

*3. RFID(mifare 1)Data startup card is specially used to boot device WDR(wireless data receiver) and LMA (lock management assistant).
IC Data startup card is specially used to boot Query card which saves lock events.



Model M5208-M1

- * Stainless steel panel
- * ANSI 5 latch mortise
- * 800 latest lock event saved
- * Built-in buzzer and self-detect light indicate card operating
- * Support MIFARE 1K S50 card
- * Free engage outside handle.
- * Easy release-Inside handle makes deadbolt and latch retracted together
- * Common door can be installed in a common door for public reading card unlocking
- * Low power alarm, keeps last 200 times unlocking chance.
- * Mechanical cylinder and key override



M5108-M1



Notice: Real product may differ with the photo

Model M5206-M1

- * Stainless steel panel.
- * ANSI 5 latch mortise
- * 800 latest lock event saved.
- * Built-in real-time clock and flash memory
- * Built-in buzzer and self-detect light
- * Support Mifare 1K card.
- * 4 x AA battery life for 12 months.
- * Free engage outside handle.
- * Easy release-Inside handle makes deadbolt and latch retracted together.
- * Common door-Can be installed in a common door for public reading card unlocking.
- * Low power alarm, keeps last 200 times unlocking chance.
- * Deadbolt override by card option available.
- * 2 pcs mechanical key
- * **E-Focus**® Hotel Lock System™ required.



Model M5103-M1

- * Stainless steel panel plus plastic sensor window.
- * ANSI 5 latch mortise
- * 800 latest lock event saved.
- * Built-in real-time clock and flash memory
- * Built-in buzzer and self-detect light
- * Support MIFARE 1K S50 card.
- * Powered by 4 x AA battery
- * Free engage outside handle
- * Easy release-Inside handle makes deadbolt and latch retracted together.
- * Common door can be installed in a common door for public reading card unlocking.
- * Low power alarm, keeps last 200 times unlocking chance.
- * Mechanical cylinder and key override



M5203-M1



Model M6208-M1

- * Alloy steel panel
- * ANSI 5 latch mortise
- * 800 latest lock event saved.
- * Built-in real-time clock and flash memory
- * Built-in buzzer and self-detect light
- * Support MIFARE 1K S50 card
- * Powered by 4 x AA battery
- * Free engage outside handle
- * Easy release-Inside handle makes deadbolt and latch retracted together
- * Common door can be installed in a common door for public reading card unlocking
- * Low power alarm, keeps last 200 times unlocking chance.
- * Mechanical cylinder and key override

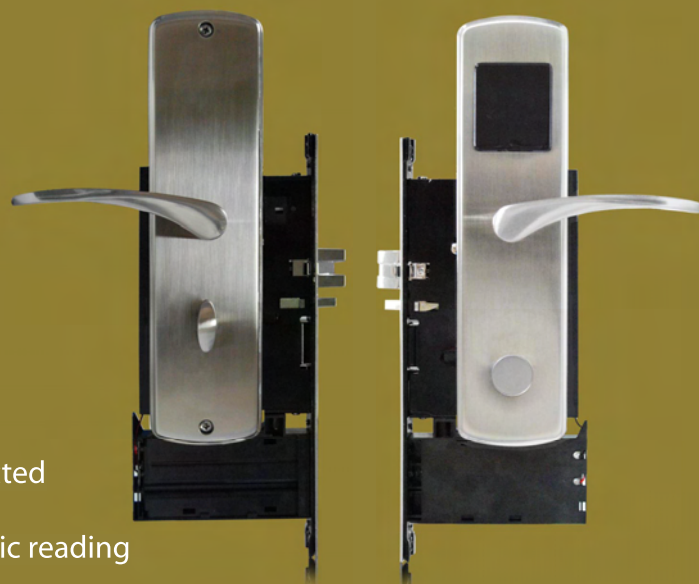


M6108-M1

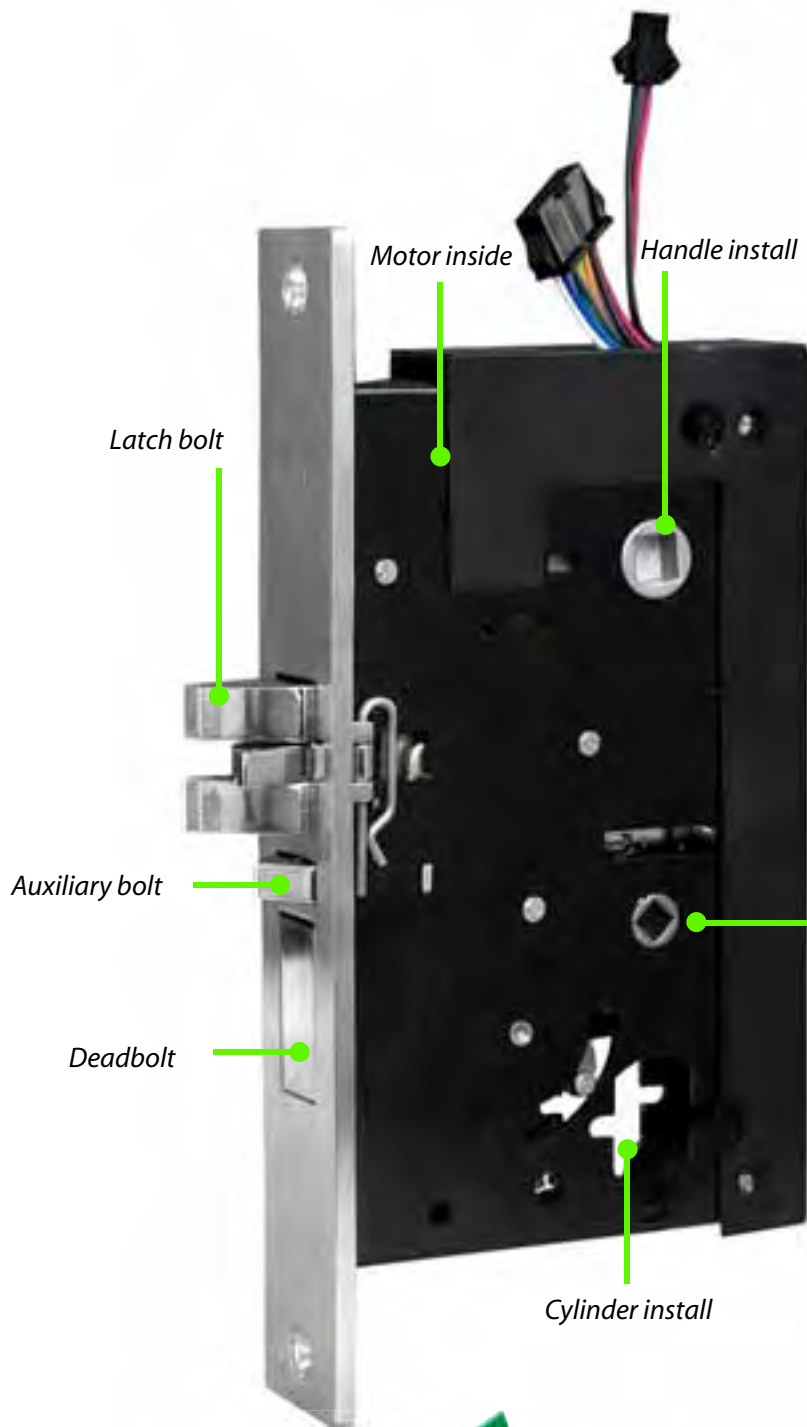


Model M9108-M1

- * Brass polish plus transparent finish
- * ANSI 5 latch mortise
- * 800 latest lock event saved.
- * Built-in real-time clock and flash memory
- * Built-in buzzer and self-detect light
- * Support MIFARE 1K S50 card
- * Powered by 4 x AA battery
- * Free engage outside handle
- * Easy release-Inside handle makes deadbolt and latch retracted together
- * Common door-Can be installed in a common door for public reading card unlocking
- * Low power alarm, keeps last 200 times unlocking chance
- * Deadbolt override by card option available
- * Mechanical cylinder and key override



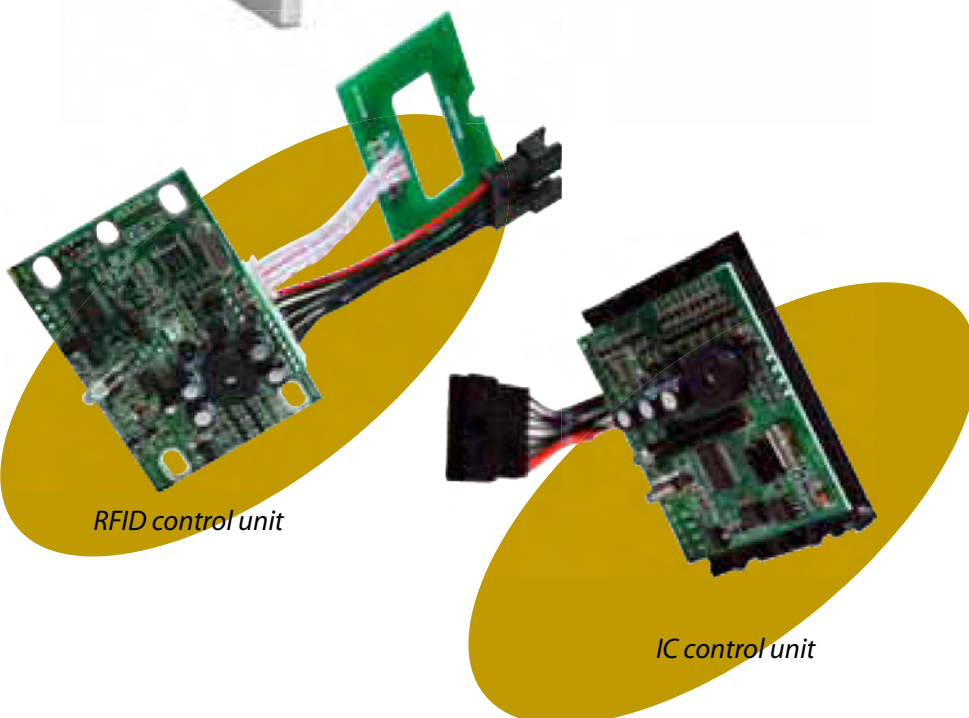
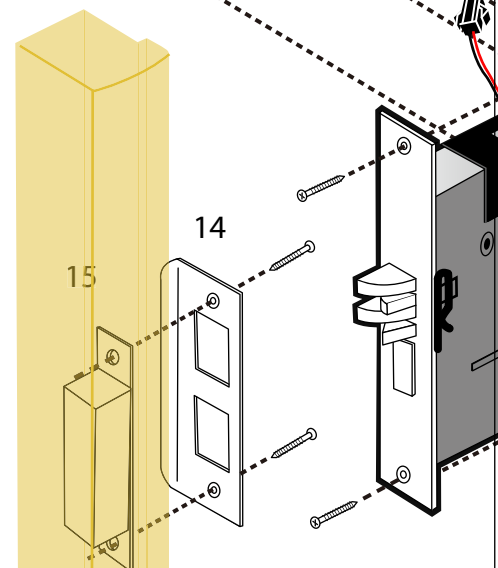
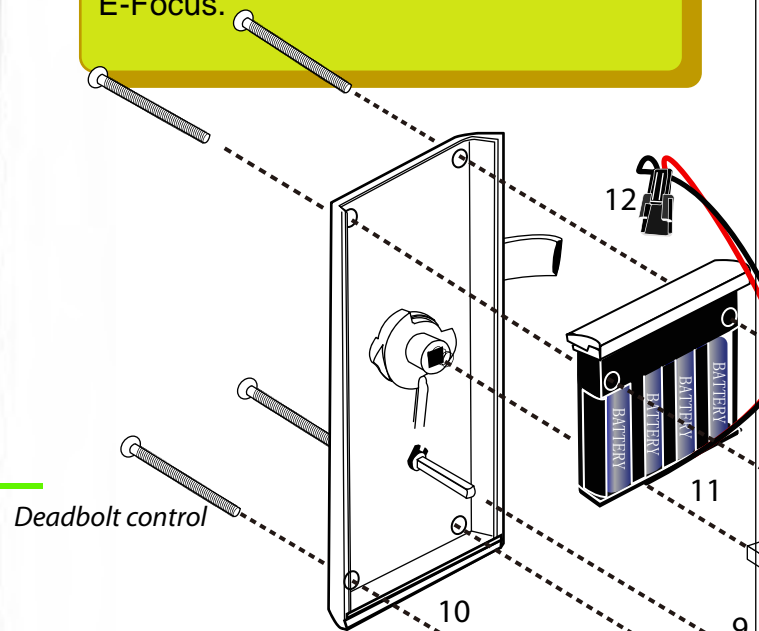
M9208-M1



To make the lock always working stably, all important parts inside mortise are made of high strength and high temp resistance alloy materials.

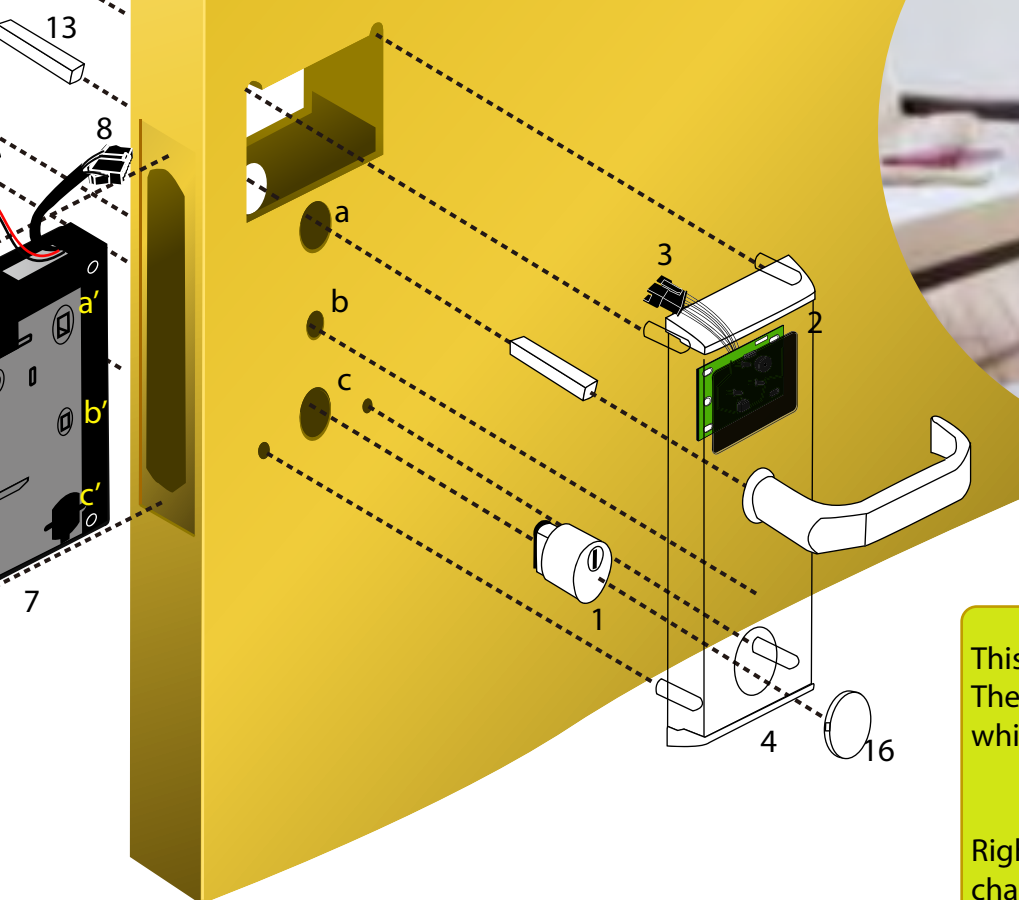
Left is the structure of mortise model K2S. Model K1L, P2S and euro mortise C3S are little different with it.

Right for the hardware configuration changes without notice is reserved by E-Focus.



1. Cylinder
2. Pcb reader
3. Connector of pcb reader
4. Front panel
5. Spindle of handle
6. Door

ROOM INSIDE



- 7. Mortise
- 8. Connector of mortise
- 9. Power connector
- 10. Back panel
- 11. Battery-pack
- 12. Power connector of battery-pack

- 13. Spindle of handle
- 14. Strike
- 15. Strike box
- 16. Cylinder cover

- a. handle hole
- b. deadbolt knob hole
- cylinder hole

This is a standard right(R) lever lock. The left(L) lever lock is in the reverse case while installing.

Right for the hardware configuration changes without notice is reserved by E-Focus.



Energy saving switch

A huge worldwide energy waste happened every year. 30% electrical energy was waste happens in buildings which are mostly caused by improper habits of users lifestyles.

Maybe no body forgot switch off TV, hairdryer and monitor but unlucky seldom people learns that even when a light, an oven, washer, dryer, tv or monitor, is turned off, but still plugged in, energy is consumed.

It has never been so important for the human being and globe to save the energy. Energy saving switch gives a total switch off solution.

Energy saving switch is a switch likes the common light switch placed on a wall.

It is designed to cut off electrical energy for some or all of the electrical outlets within a room or particular area so when this area has no body use electrical energy.

For installation, the room or a group of rooms or an outdoor living area for example, all outlets or certain outlets will be chosen to be connected to this switch.

By insert a correct keycard, people can get a area's electrical energy and cut off it completely very easily.

This switch has already been used in hotels and office widely because it works easily.

Also it is a good saver of card for people can find it easily.



For the hotel owner, the switch gives a new and very useful function that it limit holders' electronics using very obviously besides save energy.

Advanced model (T2308/T2508) are smarter than normal energy switch product(T2208/IR). They have the ability that identify keycard by different rooms and card using valid time.They

It benefits from the whole and same system integrated in E-Focus hotel lock system. Once card is not correct(for T2308) the switch will not output voltage for alleletrronics.

For T2508 it become more strict that the card should not only be correct but also fall in valid time. Otherwise it do not output voltage.

Why they are smart than normal product?

These two models has memorry(T2308) and clock(both in T2508) inside in hardware which can not be found in other common switch product.

It works for correct cards comes from Hotel Lock System™ Software.

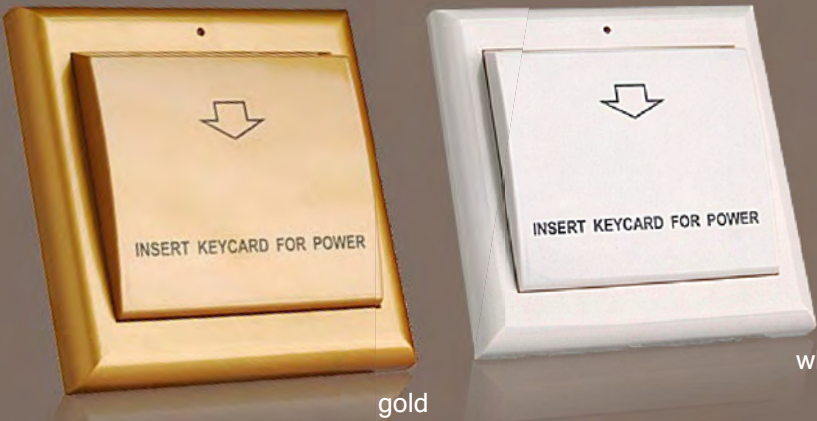
Actually it is a good partner of E-Focus hotel lock because they are both based on the same system.

Cards runs in **E-Focus**®Hotel Lock System™ saves in room ID and valid time when it been done issued on encoder. Holder can not use it limitless on hotel lock and energy saving switch which will check the valid time and room ID.



This is a real solution of 1 card for doors and electronics.

Thus there is no staff and bad hotel guests keep staying without paid-up because there will be no electrical energy when the card expired or not correct for room.



- * Material Flame Retarding ABS
- * AC 220v;110v
- * Dark indicate light
- * 86X86mm size
- * RFID;IC card



T2508	T2308	T2208	IR
built-in memory +clock	built-in memory	NONE	NONE
Integrated in E-Focus Hotel Lock System™	Integrated in E-Focus Hotel Lock System™	All 13.56MHz card; IC card	Any card

Elevator reader

Some high level and security hotels do not allow the guest go to the floor where their rooms is not exist.

The elevator reader offers a solution for this case.

It is installed in a common elevator and have the similar function as the reader in access control but different is that it is integrated in hotel lock system. After installation each guest should read his room key card whenever before they press the floor button in elevator.

If they do not read card, the elevator floor button will not works.

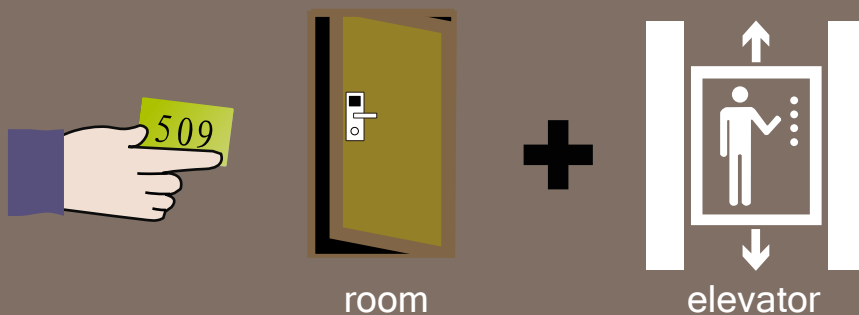


It requires Hotel Lock System software's support.

The beginning receptionist issue guest card, the floors which allowed should be selected.

After select floors and complete issue card, the floor info will be saved in keycard.

Elevator reader will identify the floors saved in card and send command to elevator controller to open the button.



- * Working voltage 12vDC
- * Working current: < 200mA
- * Wiegand-44 output format
- * Mater card, passage card, emergency card can arrive in all floors
- * Integrated in **E-Focus** Hotel Lock System™

E-Focus

HOTEL LOCK SYSTEM

Networked

E-Focus Networked hotel lock is especial developed for the high security and management required entironment. There are 3 main features.

1.TCP/IP protocol

TCP/IP is a group protocol that allows any computers, modems or Internet ISP's users could get and share data on internet.

It is the basic communication language or protocol of the Internet.Its full name is 'Transmission Control Protocol/Internet

Protocol'.It is not one protocol actually, it include a group protocol.

This is a multilayer communication protocol that define a public rule of data format and transfer way.In internet application, it is makes computer able send data to a certain address without any error in worldwide.

E-Focus brings it to hotel lock product instead of RS232/485. Because of TCP/IP's open, clear and high compatibility structure, compared with trodational RS232/485 communication, TCP/IP protocol a good solution that make the private network (Intranet or extranet).It is low cost, stable, long distance and no error.

2.UTP CAT-5 cable connection.

Cable is a traditional way of connection but also the way that always offers stable and high speed communiation. E-Focus do not allow the trouble happen such as disconnect or weak connect makes locks connect bad with computer happen on any user of networked lock because even 1 minunite disconnect brings confuse and bad impression. That's why E-Focus choose UTP cable as the connect way.

UTP(Unshielded Twisted Pair) CAT-5 cable is the most popular cable type for computers network and internet. It is a cheap and suitable solution and easy to be found wherever users are.Door loop offers professtional protection to cable.



Door loop

3.POE power

Networked hotel lock's live feedback and high performance requires stable and uninterrupted power supply. AA battery could not be suitable.Because of the UPT cable and locks' special install postion , Power Over Ethernet is now the best solution for it.

POE adapter will gives stable power to the control unit inside lock transferred from AC 100V-250V.There is no worry about battery consume for such an powerful lock.In such a way, the battery becomes the backup power souce.Once power is cut off suddenly, the lock will switch to use backup power-AA battery.

What
can you get
on
networked
lock?

★ Live monitoring unlocking.

This is a function for the housekeeping who need know all rooms' unlocking happening in a way.

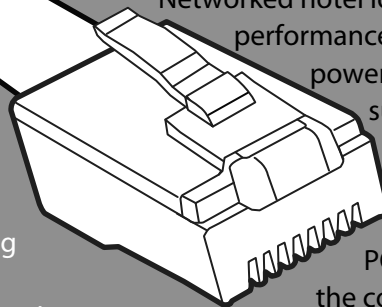
Each networked lock will send report by live time when unlocking happens.

All lock events will be shown as the log including card No.,holder, unlocking time, and room ID.

Even mechanical key's unlocking will be monitored.

★ Remote unlocking room.

By just clicking mouse on the menu 'Open it now!', housekeeping can make a room unlocking. Reversely, room could be locked by remote controlling and no card could unlock it.For the safe, it allows unlocking all rooms at one time by clicking a red button button in software when emergency happens.



★ High and full authority hold by housekeeping.

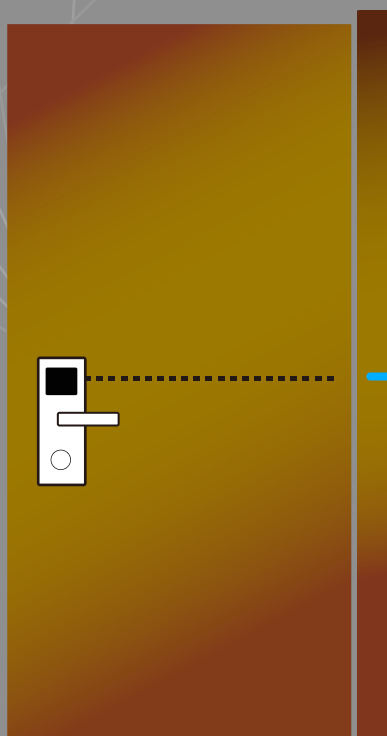
All cards issued saved in software including holder's name/Card No. /Room No./Card Type,Housekeeping could browse these info and terminate the lost card or any card he do not want it works anymore for some reason whenever he have to do so.Operating on card could not required place real card because the networked lock will carry out all command directly.Cards' timetable and room ID could be modify in high freedom.

Other features

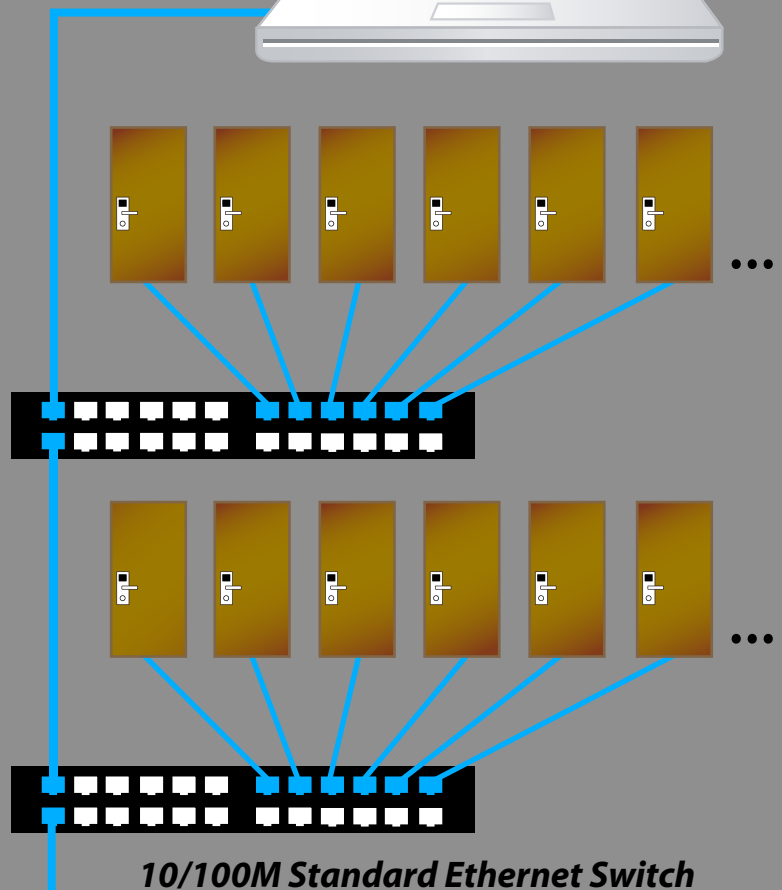
- *5,000 users + 10,000 events per lock,flash save events.
- *Auto switch backup power mode when power cut off
- *1800mAh Ni-MH battery gives 20 hours life after power off
- *Door contact compatible
- *Over current protection
- *40mm-50mm thickness door



Networked lock



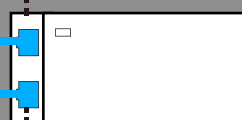
Computer



POE Adapter



Data in



AC 180-240V

Data&Power Out (12V)