

Klacci[®]
life unlocked.



Kii Series
ASSISTANT

The hospitality System
Dual Authentication



Creating a Safer and Healthier Community by Touchless Solutions

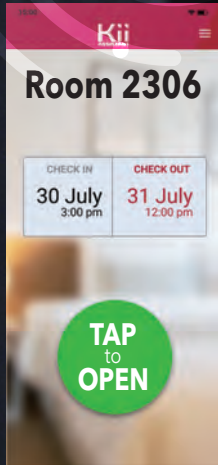
The touching surface of door hardware in high traffic and public use areas fabricates a perfect environment for harmful microbial to cultivate. The door hardware industry being the battlefield to navigate the rapidly evolving landscape, is quickly adopting the COVID-19 protocols to reduce the number of touchpoints in buildings especially at door opening.

COVID-19 has changed the lifestyle and the way how people interact with each other every day. Commercial businesses or government buildings are focusing not just on the safety, but also the wellness of their employees and customers more than ever. Minimizing health risks to the building occupants have becoming the next foremost important factor next to safety and security.

Klacci is taking the Electronic Access Control to the next level with utilization of the Mobile Access Solution. Mobile credentials can greatly reduce the number of necessary touches for building occupants to gain access to secured areas, which is more hygiene and convenient than re-usable cards or physical keys in shared spaces. Our available multi-authentications mobile access control products strike the perfect mix among security, touchless access, and social distancing control.

We protect and care for our community.





The Trusted Name in

The hospitality industry's needs and expectations continue to raise, and Klacci provides lodging entrepreneurs the ease management they need and the experience their guest seek and deserve. Our products and services are designed to fulfill the most demanding requirements, thus bringing peace of mind for owners and guests at all times.

What is Kii Assistant?

The expectation for hospitality service has been edging higher. Guests demanding more total control from booking to checking-in without a long wait or any unnecessary work other than enjoying the service. Hotel owner, villa administrator or property manager are facing a challenge to adopt to the new technology of automation and network integration. Even more, upgrading from an existing hotel access control and management system that does not meet the new trend is usually a stressful and costly process that the hotelier either have to shut down the property temporary or need to replace expensive equipment.

Klacci's Kii Assistant emphasizes on the guest experience and the owner experience. The system is backed by the full suite of the Klacci electronic access control products as well as the mechanical door hardware. Lodging management now has more confident securing their premises, while giving their customer the ability to customize their biometric data as e-key to access the premise in their fashion.



Hospitality Solutions

What it means for guests

Lodging should be simply about the pleasant experience. Nothing more. After a long way of traveling, the first and the foremost thing a traveler wants to do is to find himself/herself collapse on his/her bed of the hotel room, charging up either for their upcoming important meeting or long planned leisure activities. Klacci feels you. With Kii Assistant, it is only about the lodging experience. Forget about the complicated check-in and waiting process, guests could personalize how they will show up in their next stay from their own mobile devices.

What it means for administrators

You are already mind-filled about how to increase the guest satisfaction, Kii Assistant is here to simplify your property management and access control effort. The system is supported by the complete Klacci's mechanical and electronic access control products to let you control who you want to let in or keep out. HVAC and lighting control can be integrated to the system to analyze and compare consumption. Upgrading from the existing system and access control system is easy without the expensive threshold for temporary shutting down the property or replacing equipment. An easy and effective management tool without stressing your staff force instead they should be working to satisfy your guests.



Comprehensive Upgrade Solution for All

For Hoteliers and Administrators

Innovative Solutions for the Retrofit Marketeers

The available electronic access control options in the retrofit market are limited with most products being a battery powered standalone unit. The security strength of the standalone units is usually not the highest and comes with inconvenience during maintenance.

When standalone access control units are being run on a totally separate interface, hotel administrators often found it stressful and difficult to integrate them with their existing hotel management system without investing a considerable amount of costs.

The core of the Kii Assistant is the Sensor Hub on Lock to provide an innovative solution to the retrofit market. Upgrading from an aged system to a new level without interruption to the business for enjoying the integration of access control security, remote data collecting and encrypted protection.

Satisfied Guests

The most important goal for lodging service is to ensure that the guests experience an enjoyable stay through personalized, secure yet easy to use and convenient access control and services.

Ease of Management and Efficiency

Administrators can benefit from a user-friendly access control and management system that manages guest and staff access rights and updating the information of the lock in a convenient way, combined with the mobile access solution, check-in and management times can be greatly reduced and staff can focus on providing a better guest service.

Cost Effectiveness and High profitability

Outdated magstripe locks, PDAs, traditional key locks, and other equipment can now be replaced by the Kii Assistant Series durable and strong hotel lock, through its fast installation and wireless communication features the hardware maintenance and upgrade costs can be minimized. By reducing the unavailability of the rooms due to maintenance, the administrators can make full use of room turnovers, thus increasing profits, guest satisfaction and return rates.





Features and Advantages of Online Solution

Don't settle for less when the most comprehensive solution is an option. Real-time data and remote operations are the main benefits from online system over standalone devices. Wire layout is the most common obstacle for hoteliers to upgrade their existing system due to temporary disruption to their business from rewiring or having the need to replace expensive equipment.

The Kii Assistant is a truly online connected solution. It offers all the benefits from the online system to assist hoteliers in the daily operations and management while providing the choices of battery powered or low voltage powered door locks.

The Current Retrofit Market	The Innovative Retrofit Solution by Klacci
Regular lock battery replacement comes with inconvenience maintenance	Wireless charging locks can be operated continuous without interruption
Lack of real-time monitoring and requires manual inspection or maintenance	Self-diagnose-and-alert locks to reduce down time
Standalone locks with weak encryption key	Biometric recognition thru AES algorithm for higher protection
Numerous relays are needed throughout the premises for long range data collection	Remote authorization thru low power network
System runs by standalone locks without unified authorizations	Integratable to other systems with personalized information

	Features	Advantages	Battery Type ¹	Low Voltage Type
GUEST SOLUTIONS	Hotel Access	Keycards are activated automatically when check-in to the hotel, or deactivated automatically on the expiration date of the stay.	✓	✓
	Check-in	Guests to receive room number and access authorization through mobile phone without presenting at the front desk.	✓	✓
	Room Assignment	Room assignment can be sent in advance to the guest's mobile phone through SMS, Email or App Notification.	✓	✓
	Room Allocation	Allows guest to allocate multiple rooms to other guests through mobile phone after check-in.	✓	✓
	Room Change	Reassign room to guest remotely.	✓	✓
	Room Preference	Assign room to guest based on the guest's preference on room type, location and accommodations.	✓	✓
	Extended Stay	For guest to request extension of stay remotely without presenting at the front desk.	✓	✓
	Room Management	The access control is integrated with the hotel's PMS. No need to switch between systems to view occupancy status and issue keycard.	✓	✓
	Remote Operations	Performs day-to-day operations remotely, such as authorize users, block users, cancel access, reassign rooms, etc.	✓	✓
MAINTENANCE & MANAGEMENT	Reporting Tool	Reports are customizable based on criteria defined. No limit in number of reports generated.	✓	✓
	Smart Utility Meter	Connected to different utility meters (electricity, water) and record data on consumption.	✓	✓
	Room Maintenance	Provide real-time room status (e.g., cleaning, repairing, door opened, etc.) without manual reporting.	✓	✓
	Self-diagnose	Self-diagnose door lock to report and notify abnormal operation automatically.	✓	✓
	Door Lock Audit Trail	View audit trail of individual door lock from the system without accessing the guest room.	✓	✓
	Employee Management	Create employee data, task authorization, access permission and group management etc.	✓	✓
	Notifications	Web-based notification pushes announcements.	✓	✓
	System Integration	System is integrable with third-party applications or system for add-on functions.	✓ ²	✓ ²
SECURITY & PROTECTION	Vibration Alert	Door lock detects for damage and abnormalities from vibrations and sounding alarms.	✓	✓
	Keycard Cancellation	Cancel access authorization on all keycards (master card and guest card) from the system remotely.	✓	✓
	Multi-factor Authentication	Set accessing requirement (passage, passcode verification or biometrics authentication) according to security level of the area.	✓	✓
	Restricted Areas	Block access to specific areas due to security reason or maintenance time out.	✓	✓
	Door Ajar Alert	Signal transmitted to the server when door is not closed properly.	✓	✓
	User Tracker	Track user from its recorded locations in the premises.	✓	✓
DOOR LOCK WIRING	Communication Protocol	Wireless by Bluetooth Low Energy (BLE).	✓	
		Bluetooth Mesh Requires electrical wiring.		✓
		Wi-Fi Requires electrical wiring.		✓
		RS-485 Requires RS-485 cable and electrical wiring.		✓
	Power Type	Alkaline batteries. Electrical wiring is not needed (Suitable for upgrade from existing system).	✓	
		Low voltage circuit. Requires electrical wiring (Suitable for new install).		✓

1. Estimated 3-year battery life with 4 AA alkaline batteries.

2. Consult your distributor for customizable solution.

General application includes multi-family complex, commercial buildings, government properties, office spaces, etc.

Experience of Satisfactions

For Guests

Time saving

The Klacci's Kii Assistant is all about experience. Through the available mobile phone app, the guest can personalize their lodging experience even before they start the journey. Reserving their rooms by preference, checking-in for their stay, requesting room service, ordering in-room dining, making appointment for accommodation services can all be done before the guest steps into the lodging place. When the guest is presence for their stay, fast check-in process skipping the front counter is always a privilege for them.

New and Innovative

When it comes to access point control, smart cards have become a popularity in the lodging industry mainly the given convenience of adjusting authorization and low cost of replacement. The Kii Assistant is taking advantage of the smart card access while adding a higher level of biometric verification that could be done on the guest's mobile phone for the guest or lodging administrator to choose with. No physical card or key is necessary which the mobile phone is also the controller to the in-room temperature and lightings.





The Innovative Solution

Smart Room Control with Sensing Module Integrated

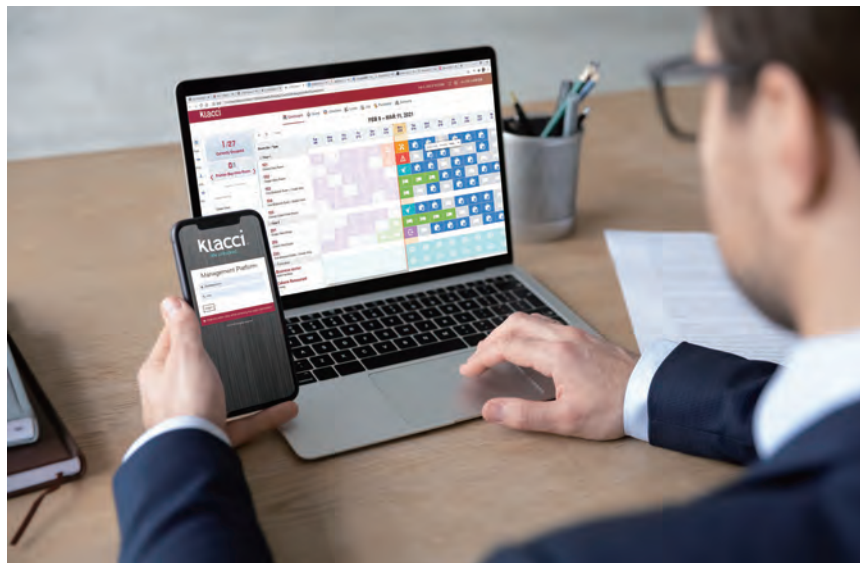
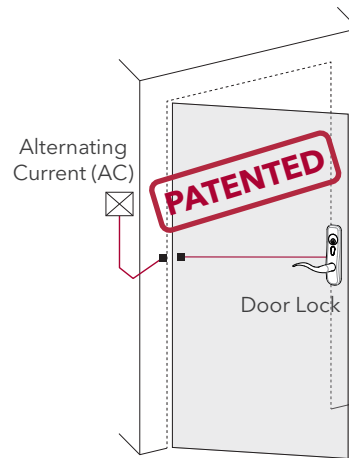
Wi-Fi Network and Wireless Charging Technology

Two-way data communication is the core of the age of IoT. With the wireless charging module in the Wi-Fi network, the devices receive continuous AC power supply without wire wear around the hinge edge of the door and no more battery replacement is necessary.

- The wireless charging module integrated lock is powered by a lithium battery and recharged through the wireless charging module for continuous power supply. This provides an advantage over the traditional battery powered lock in power consumption when transmitting data.

- No more battery replacement.

* Wireless charging module is an optional feature.



The Administrator

Automation of the Platform Management Network: Big Data Convergence in an Instant

Room reservations or housekeeping status are updated remotely. The platform network also automatically collects data on user audit trail and guest preference as an analysis tool to provide value-added service.

- Access to the housekeeping database in the same platform without toggling between two systems.
- Integration of web service based front-end and back-end platform.

Self-diagnose and Real-time Monitoring Technology

Self-diagnose-and-alert locks report real-time status back to the management platform or to the central control room through the Wi-Fi network. Manual logging and lock maintenance are no more of the routine work. The build-in vibration sensor also detects when damages are made to the door to ensure hazards across the premise are monitored and reacted timely.

- Self-diagnose locks.
- Real-time monitoring and alerts.

* Self-diagnose and monitoring is an optional feature.



The Terminal Lock



Dual Authentication

Smart Card

The smart card is suitable for assigning or revoking access to long term or temporary tenants. Its use can be vast, not only can it be used to unlock doors, but it can also be used for other access such as elevators, accommodation services or rental systems.

- Credentials can be quickly assigned or revoked by the administrator.
- The smart card is completely secured by secure messaging.

Specifications

Standard	Conforms to ISO/IEC 14443-A standard.
Card Type	Mifare® Classic, Mifare® DESFire, Mifare® Plus.
Frequency	13.56 MHz.
Material	PVC.
Size	3-3/8" × 2-1/8" × 1/32" (85.6mm x 54mm x 0.8mm).

Biometric Recognition and Advanced Encryption Technology

Utilizes biometrics recognition as the user's unique credential while all electronic data transmission is encrypted through the Advanced Encryption Standard. Available push notifications setup from the personal device provides personalized alerts and messages.

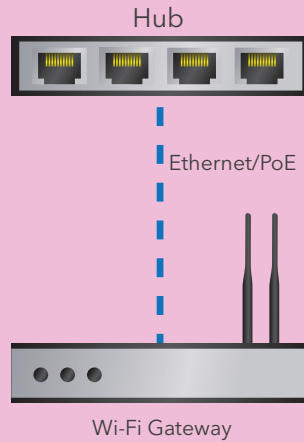
- Unique biometric credentials as used by the user's smartphone (e.g., passcode, fingerprint, face recognition, etc.).
- Advanced Encryption Standard (AES) protection.
- The user's smartphone is the recognition medium.
- Compatible with iOS and Android system.



The Guests

Move in / Check-out

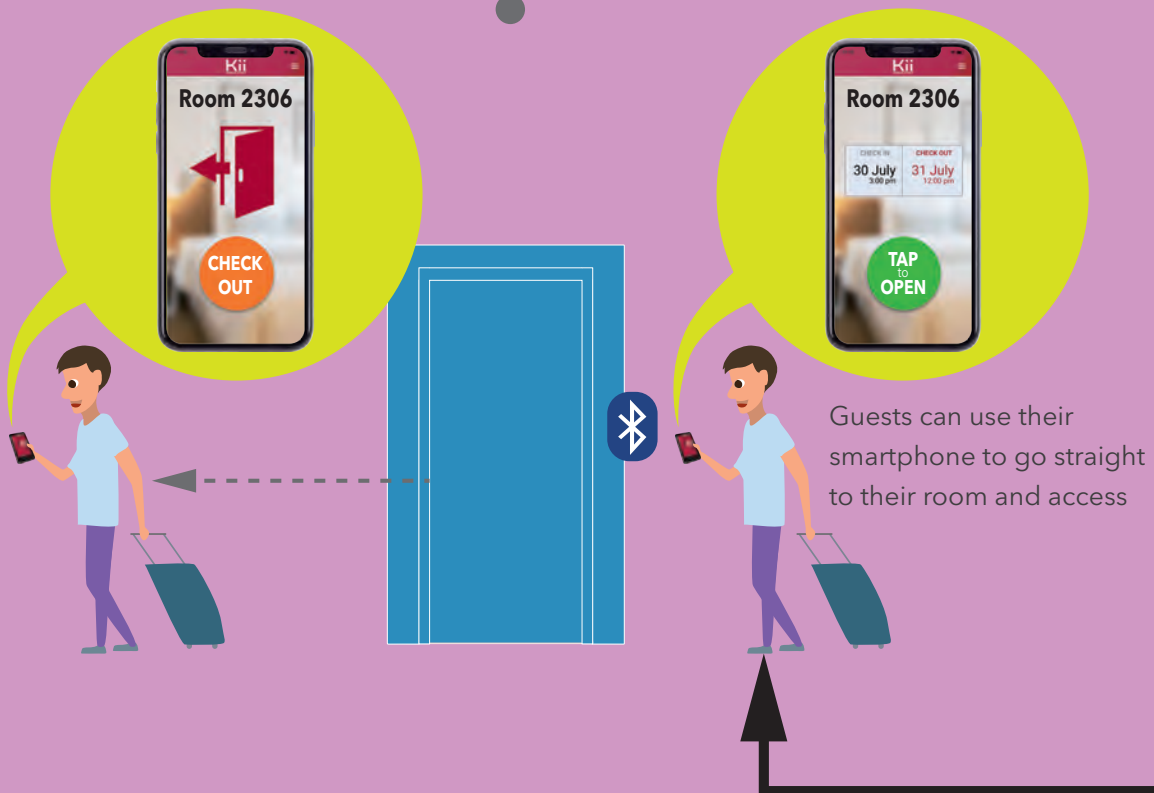
Hubs, access control panels and gateways serve as a bridge for wired and wireless connections between the database server and each room's lock, data updates are done remotely and in real time through the Wi-Fi network



Check-out



Move in



Efficiency

with Real-time Online System

Check-in



Database server

Ethernet

Front desk



Card issuer



Regular guests will receive a smart card to access their room when they check-in/check-out at the hotel's front desk



Guests with a registered account can confirm their stay through their smartphone and skip the check-in/check-out procedure

SMART CARD



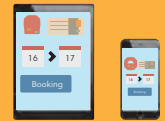
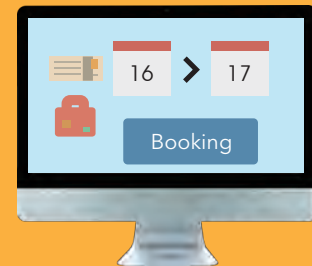
Booking

Reservation system



Guests can choose to perform online payment during reservation

Online reservation



Check-in choices



All hotel entrances can be connected wired or wirelessly to enhance data transfer and management efficiency. Any changes in access rights are updated instantly without the need to approach each entry and do it manually.

All the Hardware You Need for Access Security

A wide selection of door hardware is available to supplement and match your need apart from our reliable access control solutions for the hospitality applications.



**Kii Assistant Series
Dual Authentication
System Smart Lock**



**iK Series Smart
Keypad Lock**



i Series Reader



**Mechanical/electrical
Exit Devices**



Flush Bolts



Door Operator



Door Closers



Door Coordinators



Electric Strikes



The System Platform

The System Platform is everything hoteliers need for providing superior service to their guests. From guest reservations, authorization assignments to maintenance and housekeeping management, the platform is the technology to be succeeded.

HOTEL is the initial of Kii Assistant's core value, because we believe pleasant journey starts with warm hospitality. Hospitality Offered with Technology to Enrich Lodging experience.

- Platform and App use available biometric recognition API to allow authorized login.
- Status panel displays reservations or occupancy of rooms and assign key card to guests directly from the screen.
- Customizable zones for room location planning (e.g., to designate certain floors of the building for VIP rooms only).
- Defines room types and amenities to accommodate different guest preference (e.g., Single/Double Room, Accessible Room, Smoker Room, Ocean-view/ Panoramic-view Room, Suites, Lounge Access).
- Remotely reallocates room to guests.
- Smart Utility Meters connect to different utility meters (electricity, water) to monitor consumption.

The Application

The Kii Assistant App is not only the guests' Key to enrich their lodging experience through the user-friendly interface, but also the useful tool for the hoteliers to manage and monitor their property anytime, anywhere.



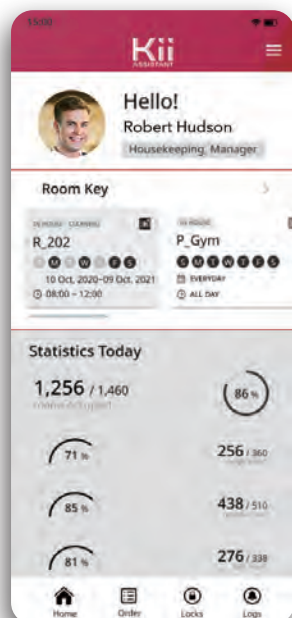
The Guests

Access authorization can be received in online or offline mode.

Operation remains offline after authorization is granted.

Authorization	<ul style="list-style-type: none"> Room assignment and access authorization are received through SMS, Email or App Notifications without checking-in at the front desk.
Access Control	<ul style="list-style-type: none"> To view authorized access of room and public areas. Mobile phone can be used as the room door key.
Room Allocation	<ul style="list-style-type: none"> Allows guest to allocate multiple rooms to other guests through their mobile phones after check-in.
Room Control	<ul style="list-style-type: none"> Guests' mobile app is also the remote control to adjust lighting and HVAC of the room. *
Room Service	<ul style="list-style-type: none"> To reserve room service, laundry and request extended stay, etc. *
Hotel Introduction	<ul style="list-style-type: none"> Link to the hotel's official website.
Notifications	<ul style="list-style-type: none"> History of notification messages (room access, room allocation, etc.).
Settings	<ul style="list-style-type: none"> Language change, password setup, biometrics registration.

*Consult your distributor for customizable solution.

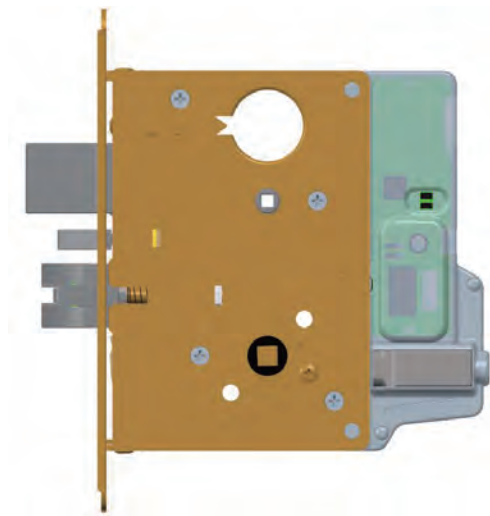


The Hoteliers

Through the assistance of the App, communications are made more effective and duties of the reception, maintenance and housekeeping staff are simplified.

User Interface	<ul style="list-style-type: none"> Displays the corresponding menu based on the group function (e.g., reception with the function to authorize room access, or maintenance staff has the option to manage door locks.). Login through available biometrics recognition.
Access Control	<ul style="list-style-type: none"> To view authorized access of room and public areas. Mobile phone can be used as the access key.
Room Status	<ul style="list-style-type: none"> To view check-in and room reservation status. To view guest information. Room status change (e.g., from Cleaning to Available after housekeeping service).
Authorization	<ul style="list-style-type: none"> Room assignment can be sent in advance to the guest's mobile phone through SMS, Email or App Notifications. Remotely authorize/deauthorize user, block user, relocate rooms, change reservations.
Lock Management	<ul style="list-style-type: none"> Configurations of the door lock such as to add, pair, delete users or debug the lock.
Audit Trail	<ul style="list-style-type: none"> History of room access, record of operations, etc.
Settings	<ul style="list-style-type: none"> Language change, password setup, biometrics registration, account logout.

Kii Assistant Series Dual Authentication Smart Lock



- The lock body could fit or retrofit into most existing mortise lock door prep with minimal drilling work needed.
- Options to choose between solenoid and motorized operations.

Work with	<ul style="list-style-type: none"> • MS9105/ME9105(Fail Safe). • MS9205/ME9505(Fail Secure).
Certification/ Compliance	<ul style="list-style-type: none"> • ANSI/BHMA A156.13 Series 1000, Grade 1 operational and security. • UL Listed for 3-Hour fire rating.
Doors & Preparations	<ul style="list-style-type: none"> • Conforms to ANSI A115.1, through bolted installation.
Case Size	<ul style="list-style-type: none"> • 4-5/16" x 6" x 1" (110mm x 152mm x 25mm).
Armor Front	<ul style="list-style-type: none"> • 1-1/4" x 8" x 7/32" (32mm x 203mm x 5mm) Standard, 1-1/16" x 8" x 7/32" (27mm x 203mm x 5mm) optional.
Backset	<ul style="list-style-type: none"> • 2-3/4" (70mm) only.
Door Range	<ul style="list-style-type: none"> • 1-3/8" (35mm) ~ 2-1/2" (64mm) metal door. • 1-3/4" (45mm) ~ 2-1/2" (64mm) wood door.
Beveled Doors	<ul style="list-style-type: none"> • Self-adjusting case.
Spacing	<ul style="list-style-type: none"> • 3-5/8" (92mm) center cylinder to spindle. 2-7/16" (62mm) center thumbturn to spindle.
Deadbolt	<ul style="list-style-type: none"> • 1" (25mm) throw, stainless steel.
Latchbolt	<ul style="list-style-type: none"> • 3/4" (19mm) throw, with anti-friction tongue, all stainless steel.
Deadlocking Bar	<ul style="list-style-type: none"> • Non-handed, stainless steel.
Case Handing	<ul style="list-style-type: none"> • Field reversible without removing case.
Through Bolts	<ul style="list-style-type: none"> • Through-bolted trim self-aligned with lock case.
Strikes	<ul style="list-style-type: none"> • Curved lip is non-handed. Custom lip lengths at 1/8" (3mm) increments available.
Spindles	<ul style="list-style-type: none"> • Breakable to prevent the lock case from unlocking or being damaged.
Cylinder	<ul style="list-style-type: none"> • 6-pin standard, with two nickel silver keys, "C" keyway. Can be masterkeyed or grand masterkeyed. Construction key system available.
I/C Core	<ul style="list-style-type: none"> • 6 or 7-pin. Compatible with Best® and Falcon® original cylinder.
Fasteners	<ul style="list-style-type: none"> • Concealed under the escutcheon.
Voltage/Current	<ul style="list-style-type: none"> • 24 VDC, 0.33 Amp. • 12 VDC, 0.66 Amp.

Wireless Charging



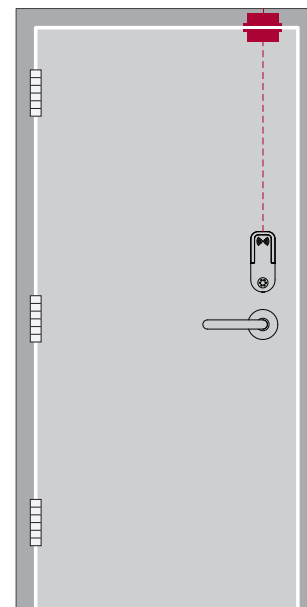
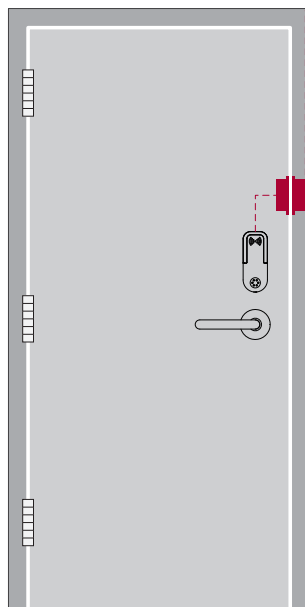
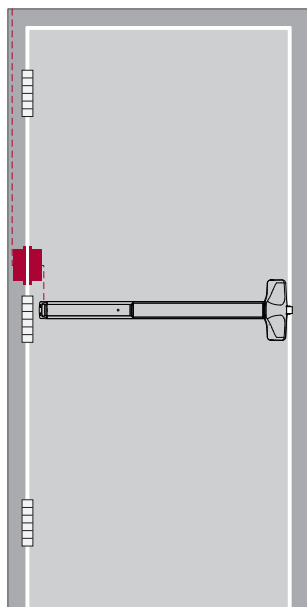
Transmitting Device (TX)
Installed on door frame



Receiving Device (RX)
Installed on door leaf

- Rechargeable lithium battery without the need for frequent battery changes.
- LED Indicator for low battery level (RX side).
- LED Indicator for powered operation (TX side).
- Easy installation and works with most electronic door locks or devices.

Installation Position



Certification/Compliance	<ul style="list-style-type: none"> • UL1034; UL10C for 3 Hours. • FCC Part 15.
Input Power (Frame Side)	<ul style="list-style-type: none"> • 12~24VDC, 1.7mA.
Output Power (Door Side)	<ul style="list-style-type: none"> • 12VDC, 1.25A • 24VDC, 0.625A
Maximum Door Gap	<ul style="list-style-type: none"> • <1/4" (7mm).
LED Indicators	<ul style="list-style-type: none"> • Frame & Door Side (Red/Green/Orange)
Operating Temperature	<ul style="list-style-type: none"> • 0°C - 49°C.
Door Thickness	<ul style="list-style-type: none"> • >35mm.

About Klacci

Klacci, a registered brand of the world-renowned I-TEK Company, provides the commercial and residential markets with second to none access control and lock products. The company offers an extensive selection of mechanical, electrical, and biometric locks that reflect the demands of today's modern lifestyle.

Klacci's drive for design excellence and innovation is only matched by I-TEK's manufacturing expertise which spans more than five decades.

Safety and Security

Klacci, a registered member of the Builders Hardware Manufacturers Association (BHMA), possesses an Intertek certified and ISO17025 compliance laboratory within its facility, one of the few in Asia.

Before our products are sold and installed, our laboratory performs various and rigorous testing procedures to make sure all our products meet and exceed the minimum requirements that are specified and meet the respective standards of ANSI/BHMA, UL, ASTM, etc.

Certificates

All products are continuously certified under the Follow-up Service Program to meet the most updated mechanical lock and electrical access control standards. The UL10C Standard for Positive Pressure Fire Tests listing of our products is part of Klacci's commitment to life safety and security.



klacci[®]
life unlocked.



www.klacci.com

Headquarters and Operation Office

I-TEK Metal Manufacturing Co., Ltd.

📍 18 Gungye 3rd Road, Annan,
Tainan 70955, Taiwan.



T 886 6 3840722

F 886 6 3840715

E sd.klacci@gmail.com

sd@klacci.com

sd@iteklock.com.tw

Global Office

KLACCI Inc.

📍 California, USA

📍 Nevada, USA

T +1 (720) 675-5677

E sd@klacci.com

sd.klacci@gmail.com

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