

Specifications

Non-contact IC card lock JCLM

Specifications	Model number and Escutcheon specifications	● JCLM No door inside Escutcheon ● JCLM (NW) Escutcheons for inside and outside of door
	Back set	70mm (lock case inward depth 105mm)
	Installable door thickness	33-43. 43-53mm (please make inquiries for other sizes)
	Cylinder (mark)	6 pins [P] (standard), 7 pins [Z], V18 [V], GV [GV]
	Key system	Various kinds of keys are OK (V18, GV are optional, and the key system is alterable)
	Spacing size	6mm below
	Hand	L type, R type (please refer to the right table "the relation between lock hand and door hand")
	Lever handle	ZU type, PRCU type etc (please refer to P 7, 8 for details)
	Thumb turn	Standard type (with fluorescent parts), No.2 type (optional)
	Power supply	4 alkali dry cells
Card reader	Reading style	Non-contact IC card
	Temperature range for usage	0°C ~ +40°C (Humidity: within 85% RH, but without condensation)

(Please instruct as follows when giving orders.)

(Example 1) V-JCLM-ZU21B (R) (70) NW (Note) (Note) If there is no NW mark, the long base is available for door outside only.
V18 cylinder Backing set 70mm
R type (left rim hinged, inward opening)
ZU type lever. Brass hairline finish

(Example 2) P-JCLM-PRCU 21B W8 (L) 70 (Note)
6 pins cylinder PRCU type lever. Reinforced cherry wood, brass hairline finish

Data input device DAT -602

Functions	Initial setting on card lock	Register room number on the card lock. (the current time, building code, and room number will be automatically inputted at logon moment.)
	Check of the passing history of card	The passed card types (maid, guest, etc), the serial number, and the passing time (month, day, minute) can be checked. In addition, the time is displayed at minute-level, more detailed check could be done.
	Check of the logon data of card lock	The room number logged on the card lock, the current time (year, month, day, hour, minute), and the various logged cards and their starting time can be checked.
	Diagnosis of card lock abnormality	Since the various abnormalities of card lock can be checked, its maintenance is easy.

Reverse master card reader CLS- JCLM- 101

Power supply	DC 24V (from RCB-730)
Back-up power supply	4 alkaline dry cells
Temperature range for usage	0°C ~ +40°C
Humidity range for usage	Below 85% (but without condensation)
Usage locations	Indoors sheltered from rain water and direct sunlight
Precision of hidden clock	Yearly error: +6 minutes ~ -25 minutes
Reading speed of the reader	20-100cm/sec
Card to be used	JIS × 6301 as standard
Card material	Plastic
Card thickness	0.7mm

Electric lock controller RCB-730

Input voltage	AC 100V (50/60 Hz)
Consumption current	Below 10VA
Fixed output voltage	DC 24V
Temperature range for usage	-10°C ~ +40°C
Applicable electric lock	● Lever handle type electric lock, EXS, EXM, EZS ● Motor lock EM, EMSX, SXE ● ES, EL series B, M, R, S, T types ● EU series
External input	● Connectable to operation plate RSP -410UH ● Unlocking can be kept by non voltage contact input

The relation between JCLM hand and door hand

Lock hand	Applicable door hand	
	Inward opening door	Outward opening door (specification)
L type	(Right rim hinged, inward opening) 	(Left rim hinged, outward opening)
	(Left rim hinged, inward opening) 	(Right rim hinged, outward opening)

Power relay box PRL-710

	Item	Content	Reference
Fixed	Power supply voltage	AC 100V±10% (50/60 Hz)	
	Indoor input	Contact capacity DC 24V 20mA	"ON" non voltage contact is inputted indoors.
	Indoor signal output	Contact capacity DC 30V1A (1a contact) (small electric current load 10mA, made indoors)	PRL-Z base (indoor output unit) (optional device)
	Consumption current	Below 20VA	Power relay load is not included
	Temperature range for usage	-10°C ~ +40°C (without condensation, freezing)	
Function	Humidity range for usage	Below 95%	
	External output action	Power Relay	When the indoor signal is inputted, the output turns to "ON", when the input discontinues, it turns to "OFF".

(Product Discrimination)

Product No	Content	Reference
PRL-710	Power relay box (2a contact)	When the indoor signal is inputted, the power relay contact turns to "ON", when the input discontinues, it turns to "OFF".
PRL relay (optional device)	Power relay for additional equipment	One set can be added on PRL-710. (2a contact) It is also required for AC 200V system opening and closing.
PRL-Z base (optional device)	Indoor output unit	With connection cable, installation screws.

Power relay box PRL -610, 620

	Item	Content	Reference
Fixed	Power supply voltage	AC 100V±10% (50/60 Hz)	
	Indoor input	Contact capacity DC 24V 20mA	"ON" non voltage contact is inputted indoors.
	Vacancy monitor output	Contact capacity AC or DC 30V 0.5A	Non voltage C contact 2 circuit
	Consumption current	Below 20VA	Power relay load is not included
	Ambient temperature for usage	-10°C ~ +40°C (without condensation, freezing)	
Function	Ambient humidity for usage	Below 95%	
	Power relay	When the indoor signal is inputted, the output turns to "ON", when the input discontinues, it turns to "OFF".	Though the input discontinues, the output turns to "OFF" in 0-30 seconds, during which the output contact is adjustable. (used in illumination control)
	External output action	HA interface JEMA HA is the standard signal. When the indoor signal is inputted, the operation starting signal is sent, when the input discontinues, the stop signal is sent.	It is room air conditioner signal. The control signal judges the room air conditioner's state and gives control outputs. Control of operation starting, stopping, or stop only is performable via settings.
	Relay for monitor	According to indoor signal, non voltage C contact is outputted.	It can be used in separate indoor display panel or contact input control type air conditioner.

(Product Discrimination)

Unit	Model number	Content	Reference
Power relay box	PRL-610	One set of power relay (2a contact)	
	PRL-620	Two sets of power relays (2a+2a contact)	
JEM-A adaptor	JRH-100	Adaptor for air conditioner (1FU) Connector exterior adapting	Optional
	JRH-101	Adaptor for air conditioner (1FU) Connector interior adapting	Optional
JEM-A cord	SOP-10JH1Mケーブル	1 meter long cable attached to both heads of connector	Optional
	SOP-10JH2Mケーブル	2 meter long cable attached to both heads of connector	Optional

GOAL[®]
SINCE 1914

MIFARE -Based

Non-Contact IC Card Lock System

JCLM Series New Product



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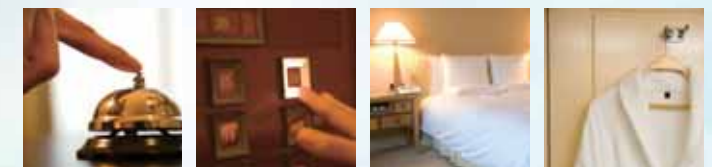
● The content of the catalog is current items in May, 2008. please acknowledge that there might be some changes without notice in advance due to product improvement. Moreover, the real items' color may vary to some extent for printing reasons.

Catalog No: JCM-01

Non-contact IC Card Lock System JCLM Series

Advanced card lock system with improved safety, effective key control, and extendable system.
New arrival: Non-contact IC card style card lock system!

JCLM
Series



Features of Non-Contact IC Card Lock System

Safety, crime prevention, operability.

1 The non-contact IC card style with improved operability, durability is adopted. (refer to P3, 4).

2 Improvement of safety, crime prevention and effective key control.

Due to the huge information volume and high degree of code processing, the non-contact IC card is safe. Moreover, if a card in effective period is lost, a new card is issued and used on the card lock, then the lost card will be inoperable even it is still in effective period. Card losing could be disposed safely and quickly. The card lock usage history can be checked.

Convenience

3 The card effective period can be set in advance.

A timing function IC is hidden in the card lock, the card effective period (from the starting moment to the ending moment) can be controlled. Therefore, the card cannot be used before the starting moment, and it expires automatically after the effective period.

4 Card can be issued in advance

For group customer, the trouble of reception work can be avoided.

5 Dry cells as power supply

Cabling is not needed, suitable for reformation. Since dry cells (4 alkali dry cells) are used as power supply for electrical lock, cabling work is not required. The existent lock can be replaced, it is suitable for reformation. The lifespan of dry cells is one year if there are 15 times usage in a day. Moreover, reminding of cell exhaustion function is available.

Diverseness

6 Diverse cards can be issued for various usage styles. (refer to P6).

- Issuance of timed card (effective period can be set at one minute level)
- Additional issuance of guest cards (in a twin room, a card as same as the early resident can be issued for the late comer. In addition, 99 cards with varied serial numbers can be issued at maximum.)
- Re-issuance of lost card for shared room. (optional function)
- Plural rooms can be specified. (one room, two rooms, three rooms, one room and rooms with continuous room numbers can be specified for a same card.)
- Various cards can be issued for other purposes.

7 Extendable to many systems like common Entrances control, energy saving, cashless system. (refer to P5).

It is extendable to fitness, sauna Entrances control or indoor control system, indoor energy-saving system, elevator control systems.

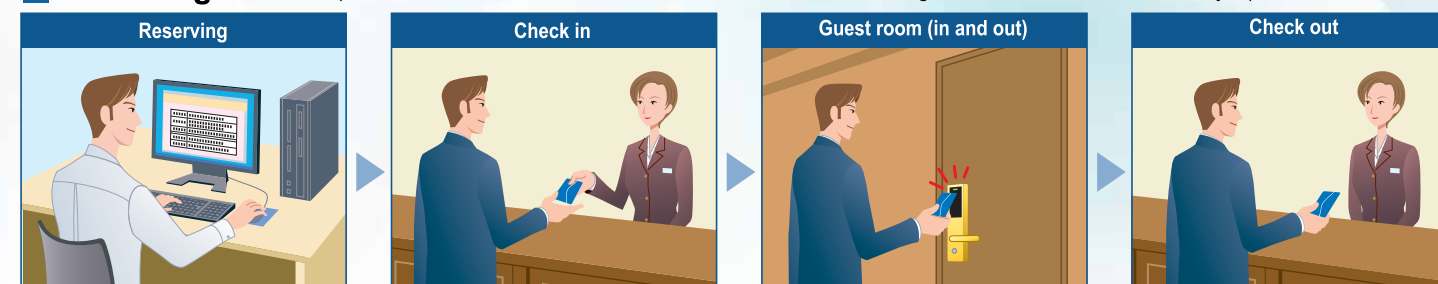
8 Promote image strategy.

The card lock with excellent safety and crime prevention improves trustworthiness for customers. In addition, cards can be effective propaganda media, and used for image up.

MIFARE

Non-contact IC card
MIFARE-based card
lock Non-contact IC
card lock with
“MIFARE” card adopted
is widely used
worldwide.

Card usage cases (in the hotel where non-contact IC card lock JCLM is used, the guest cards are used as card keys.)



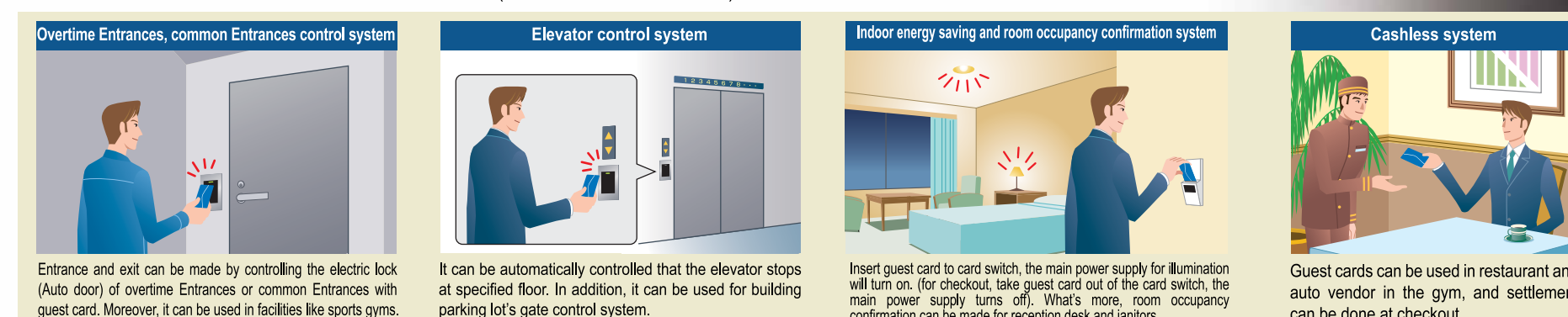
The guest inquires the room availability of membership hotel through telephone or internet and makes reservation.

The reception desk enters the room number or effective period in card dispenser and issues a guest card, gives it to the customer. Cards can be issued in advance.

The customer can enter the room by holding the card over the card lock. When exiting room, it will automatically lock the door once the door is closed.

When coming back, the customer returns the guest card to the reception desk, and checks out.

Convenient functions of card lock (Please refer to P.5 for details)

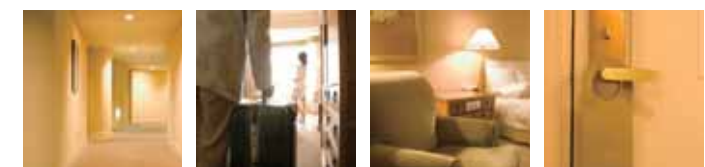


Non-contact IC Card Lock

JCLM Series Auto locking type For inward opening door (※Special specifications for outward opening door)

Purposes city hotels, resort hotels, apartments, research institutes, rest homes.

JCLM
Series



Non-Contact IC Card Style Card Lock, Unlocking simply by holding card over it.

Features

■ Unlocking can be done simply by holding card over it.

Since it is non-contact IC card style, it is not required to insert card to the reader, its operation is simple even for those aged and handicapped persons. It is free from attrition caused by abrasion, and its durability is improved. Moreover, unlike magnetic card, its data will not be destroyed by magnets, you may use it with ease.



■ Two sides Escutcheons and single side Escutcheon (door outside only)



●V-JCLM-ZU 21B (R) (70) NW
(The photo shows V18 cylinder, ZU type lever, R type handle, two sides Escutcheons)

●V-JCLM-ZU 21B (R) (70)
(The photo shows V18 cylinder, ZU type lever, R type handle, single side Escutcheon)

⚠ Cautions: since handle has its hands, please indicate R type or L type according to door hands.

■ The main body of lock is compact (back set 70mm), simple for replacement. It is also suitable for renewal.

■ It locks automatically once the door is closed. (Auto-lock type)

■ Anti-panic function.

Unlocking and door opening can be done simply by turning the handle from inside.

■ Unlocking is indicated by green LED lamp. (Error is indicated by red LED lamp.)



Unlocking indicator
(Green lamp on)

Error indicator
(Red lamp on)



■ Infrared ray is adopted in data input and reading for easy and simple operations.

■ Lockout device is attached for protecting customer's privacy.

By turning the thumb turn from door inside, it will be in double locking (lockout) state and cannot be unlocked by maid cards.

■ On emergent occasions, it can be unlocked by keys.

■ Attached trigger device to prevent improper unlocking.

■ Anti-friction type latch is adopted in the closer to ensure actual door closing.

■ Dry cells are used as power supply, no cabling work is needed.

Dry cells (4 alkali cells) are used as power supply. Troublesome cabling work is not required, so the existent lock can be replaced. It is also suitable for reformation.

■ Early reminding of cell exhaustion

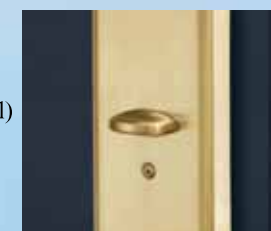
The cells' life is one year if there are 15 times usage in a day. In addition, if business cards like maid cards are used, the cells exhaustion is indicated by LED lamp flickering.

■ Raindrop proof type available (optional)

In door outside, the raindrop proof type is available, it is still in work even it is wetted by rain.

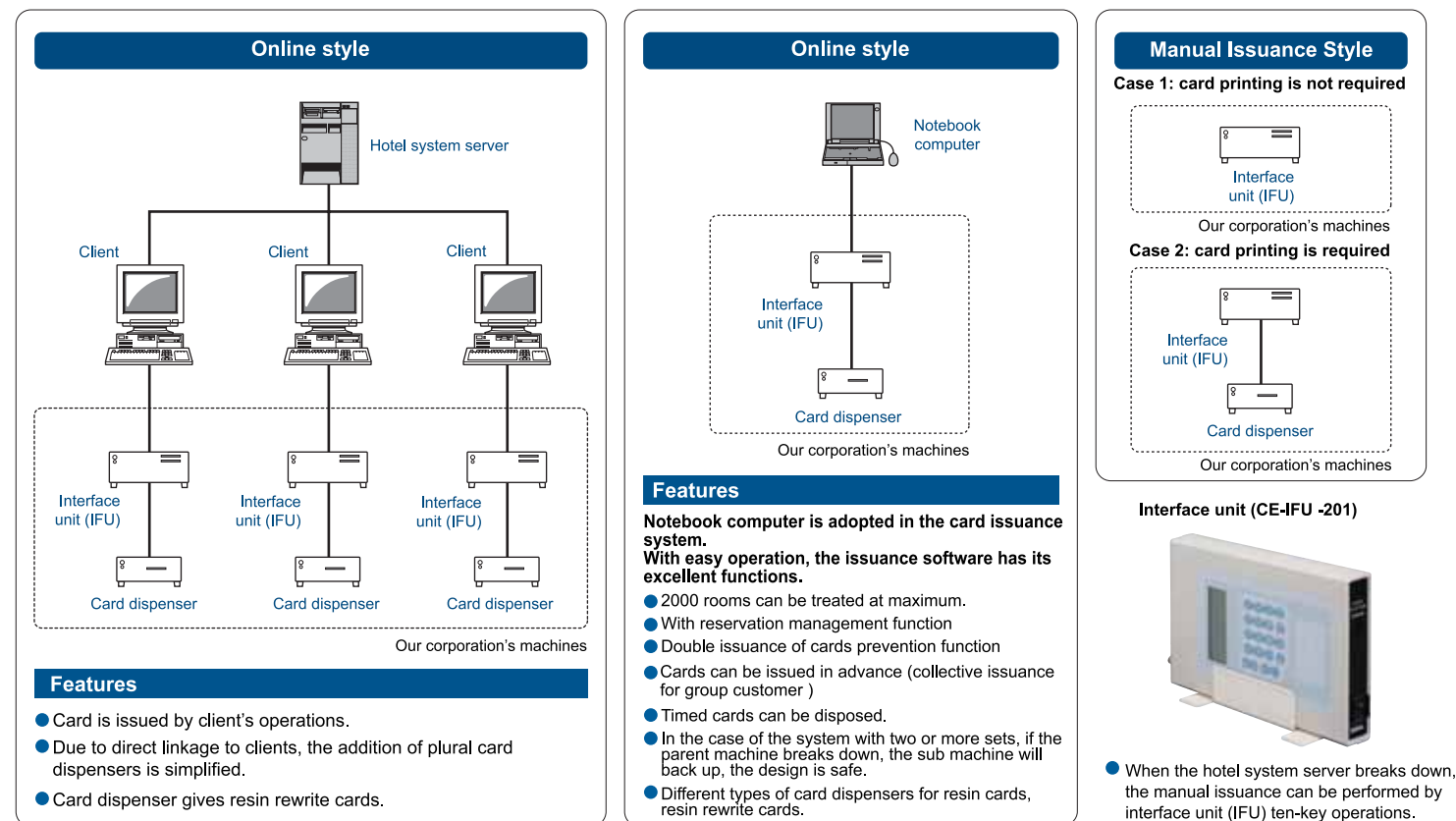
■ No.2 type thumb turn also available.

(Two sides Escutcheons only) (optional)



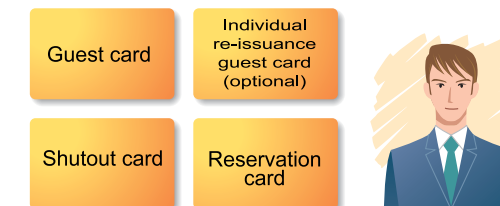
Basic Structure of Card Issuance System

Types of cards (various cards with different using ways can be issued)



Cards for Guests

The cards held by customers



Business cards

Business cards (the cards held by front receptionists, janitors)



Maintenance Cards (the cards held by construction workers.)



Types and features of various cards

Cards for guests

Type	Applicable range	Function and features
Guest card	Specified guest room	Standard card used by customers. With the same card, 3 rooms, or a room with consecutive serial number rooms can be specified. In addition, 99 cards with individual serial numbers linked to a room can be issued at maximum.
Individual re-issuance guest card (optional)		Two cards issued for twin room, if one card is lost, the lost card alone can be reissued. The left card originally issued can be used as before. (it is possible only in the system where card is issued via online connection to host computer, it is optional.)
Shutout card		When the card is used, maid cards become invalid for unlocking. It is used for leaving out and not wanting maids or boys to enter the room.
Reservation card		If customer comes earlier than the specified usage starting time, and the room is still occupied, the card is used in POS systems like restaurant within the hotel, and it cannot be used for unlocking.

Business cards

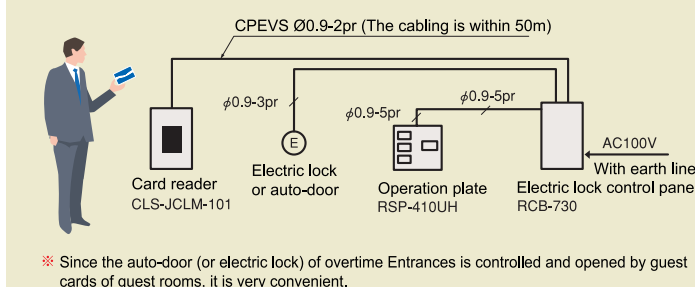
Type	Applicable range	Function and features
Emergency card	Whole rooms	Whole room locks can be unlocked even the room is in lockout state being locked from room inside, and unlocking status will be kept. (Note) The cells' power is consumed drastically if the card is used, please use it for emergent cases only.
Master card	Specified guest room	The room can be unlocked even it is in lockout state being locked from room inside. The usage range can be set at whole room, or floor level at will.
Maid card		It can unlock the rooms except for lockout, its usage range can be set at will. In addition, it can be set in advance as capable for unlocking or incapable for unlocking when "Battery Exhaustion" is reported. Since it is optional function, its daily usage period can be set.
Room entry prohibition card		It is used for temporarily denying the guest cards in validity period.
Room entry prohibition removal card		The card is used to remove room entry prohibition state.
Guestroom backup card		In case of emergent time that guest cards cannot be issued, the cards will be used instead of guest cards. One card is made in advance and kept for each room.
Maintenance card		It is used by construction worker to enter the room for maintenance purpose. It cannot be used when the guest is in (guest card is in effect)

(Note) When business cards are used, the card lock battery life shortens, LED lamp flickers to report battery exhaustion.

Various System Cases of Non-Contact IC Card

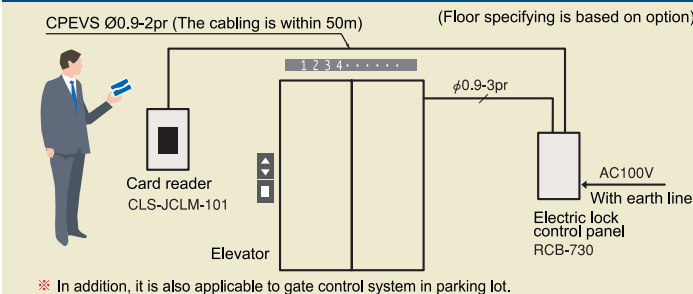
Overtime Entrances, common Entrances control system

In the system, the auto doors of overtime Entrances or common Entrances are controlled, and opened by guest cards of guest rooms.



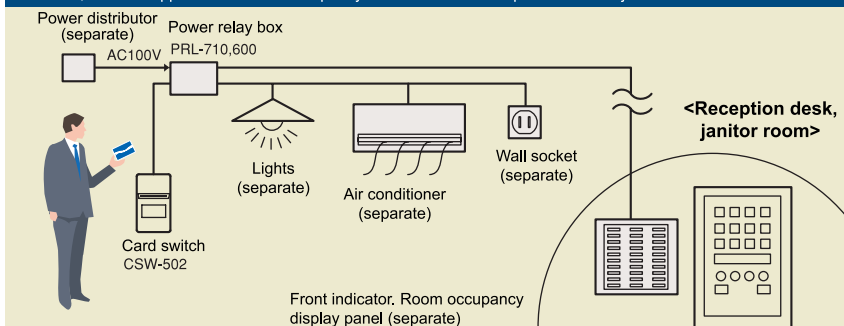
Elevator control system

In the system, card reader is installed inside (or outside) the elevator, the usage by persons other guests is controlled.



Indoor energy-saving and room occupancy confirmation system

In the system, insert a guest card into the card switch, the main power supply for guest room illumination turns on. At checkout moment, pull out the card and the power turns off, you don't have to worry about forgetting to turn off lights. Moreover, it is also applicable to room occupancy confirmation for reception desk and janitors.



Major ingredient devices



※ For basic system, please refer to P1, 2, "Card Usage Cases".

Guest cards, business cards

Plastic card



The card type can be marked on inner side by writing or heat transcript printing.

※ According to card purposes, cards with no printing and rewrite cards for printing are available for choice.

Guest cards can be hotel's original design.

The space except printings can be used for original designs. We hope it may serve as hotel's propaganda media. (optional)



Takayama Green Hotel

Handle, base listing

⚠ Caution: For reinforced wooden handle, please avoid using it in door outside. Fro brass lever and base, please be careful and do not cause damages on them. In addition, daily cleaning is required in order to wipe off dirt and dust.
(Note) BRKU type and DBRU type are special items, please make inquiries for their delivery date.



● JCLM-ZU 21B ⚠
(lever, base...brass hairline)



● JCLM-ZU 22B ⚠
(lever, base...brass hairline)



● JCLM-ZU 11S
(lever, base...stainless hairline)



● JCLM-ZU 12S
(lever, base...stainless hairline)



● JCLM-NU 11S
(lever, base...stainless hairline)



● JCLM-NU 12S
(lever, base...stainless hairline)



● JCLM-KU 11S
(lever, base...stainless bright)



● JCLM-KU 12S
(lever, base...stainless bright)



● JCLM-PRCU 21B W8 ⚠
(lever...reinforced cherry wood
Base...brass hairline)



● JCLM-PRCU 22B W8 ⚠
(lever...reinforced cherry wood
Base...stainless hairline)



● JCLM-PRCU 11B W8 ⚠
(lever...reinforced cherry wood
Base...brass bright)



● JCLM-PRCU 12B W8 ⚠
(lever...reinforced cherry wood
Base...stainless bright)



● JCLM-TU 11S
(lever, base...stainless hairline)
※ Bright (12S) finish is also available



● JCLM-LWINU 11S
(lever, base...stainless hairline)
※ Bright (12S) finish is also available



● JCLM-ORIU 11S
(lever, base...stainless hairline)
※ Bright (12S) finish is also available



● JCLM-COMU 11S
(lever, base...stainless hairline)
※ Bright (12S) finish is also available



● JCLM-RNT 21B W13 ⚠
(lever...hardened layer wood
(birch)Base...brass hairline)



● JCLM-RNT 22B W13 ⚠
(lever...hardened layer wood
(birch)Base...brass bright)



● JCLM-RNT 11B W13 ⚠
(lever...hardened layer wood
(birch)Base...stainless hairline)



● JCLM-RNT 12B W13 ⚠
(lever...hardened layer wood
(birch)Base...stainless bright)



● JCLM-DU 11S
(lever, base...stainless hairline)
※ Bright (12S) finish is also available



● JCLM-JUPU 12S
(lever, base...stainless bright)
※ Bright (12S) finish is also available



● JCLM-BRKU 21B ⚠ (Note)
(lever, base...brass hairline)
※ Bright (22B) finish is also available



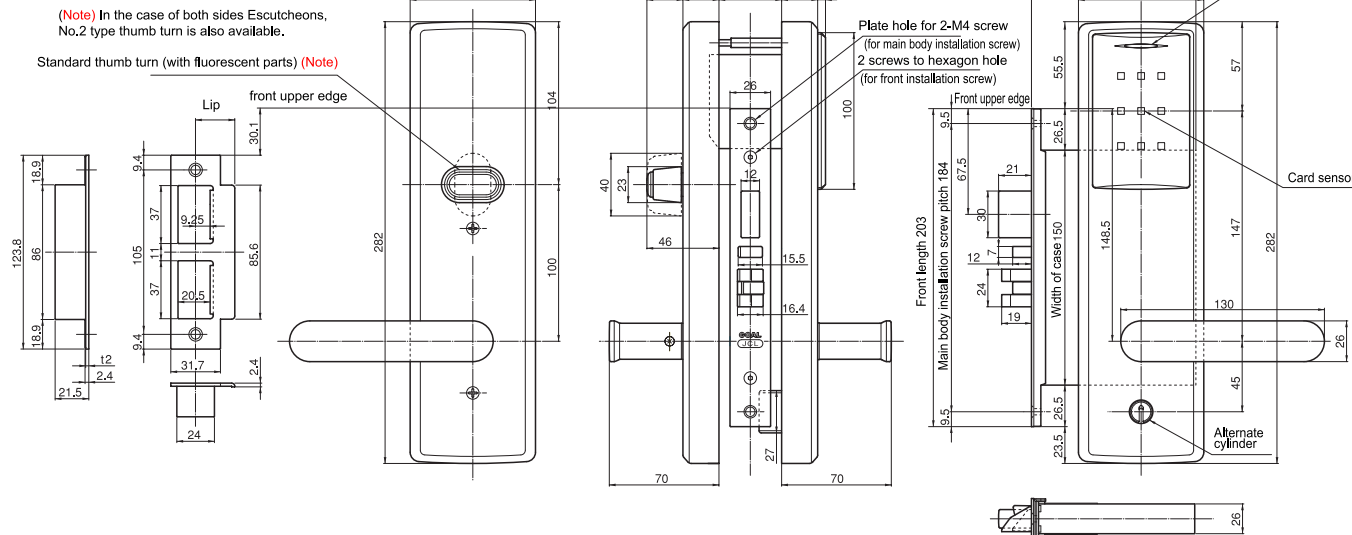
● JCLM-DBRU 11S (Note)
(lever, base...stainless hairline)
※ Bright (12S) finish is also available

External Dimensional Drawing

Non-contact IC card lock

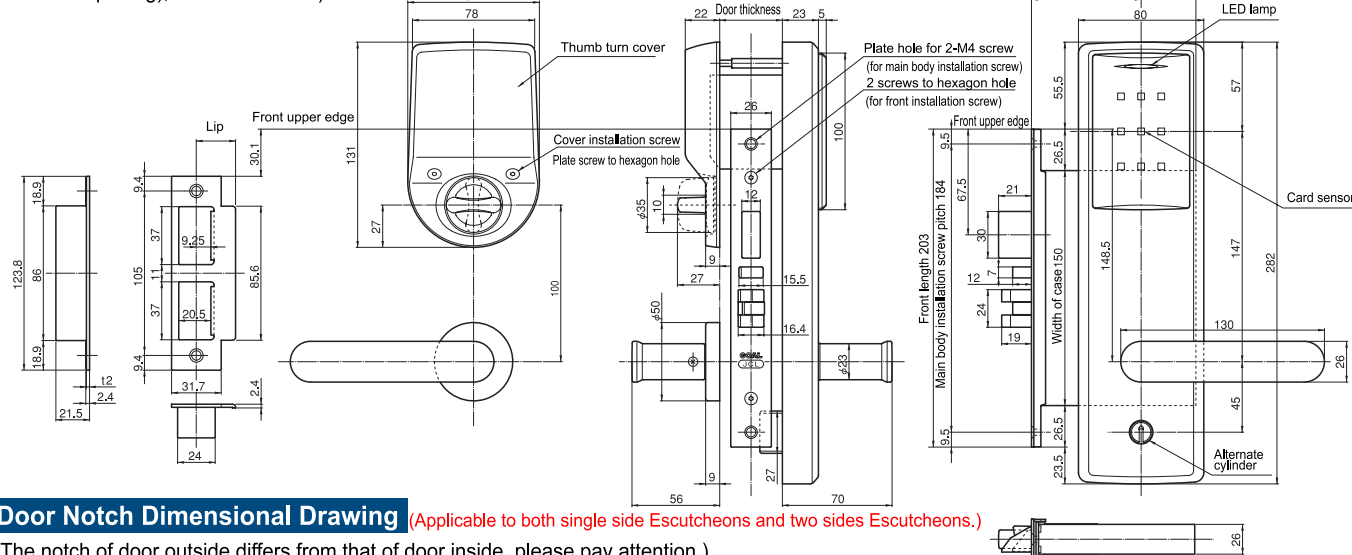
●V-JCLM-ZU(R)(70)NW

(The drawing illustrates both sides Escutcheons, V18 cylinder, ZU type lever handle, R type (left rim hinged, inward opening), back set 70mm.)



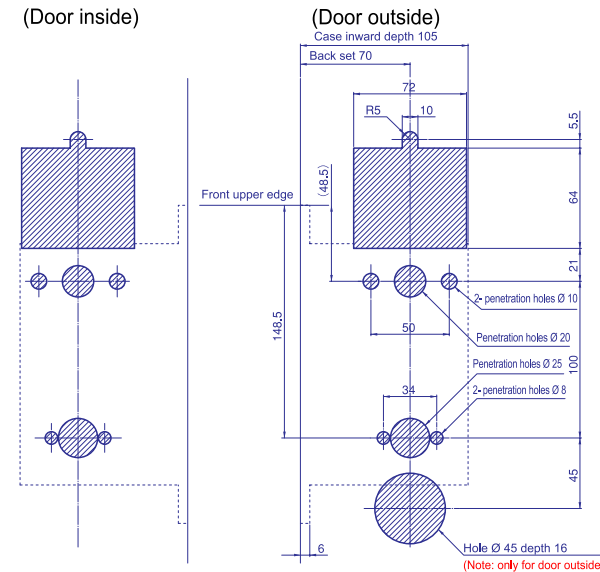
●V-JCLM-ZU(R)(70) (※ if there is no NW mark, it is for single side Escutcheons)

(The drawing illustrates single side Escutcheons, V18 cylinder, ZU type lever handle, R type (left rim hinged, inward opening), back set 70mm.)



Door Notch Dimensional Drawing (Applicable to both single side Escutcheons and two sides Escutcheons.)

(The notch of door outside differs from that of door inside, please pay attention.)



(Note) In the case of NW type, it is also acceptable that the notch hole of door outside is processed by penetration.

■ The relation between strike plate lip (L) size and door thickness.

● For single side opening

Door thickness (above-uninduded) mm	Name	L size
33~38	23L strike plate	23
38~43	25L strike plate	25
43~48	28L strike plate	28
48~53	30L strike plate	30

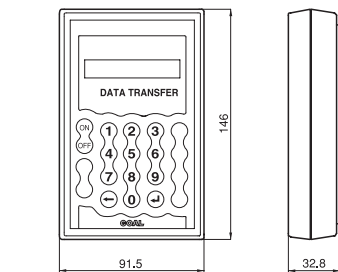
● For both sides opening

Door thickness (above-uninduded) mm	Name	L size
33~37	18L strike plate	18
37~42	20L strike plate	20
42~47	23L strike plate	23
47~51	25L strike plate	25

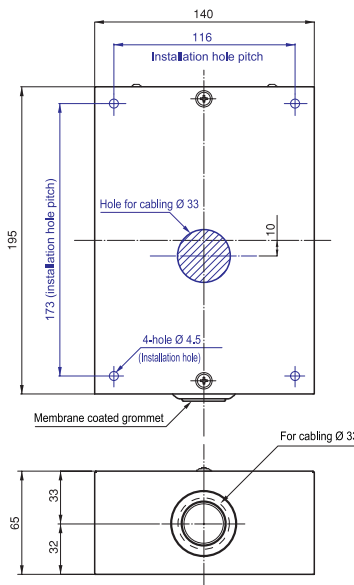
※ Please make inquiries for the door sizes other than above.

⚠ Caution for strike plate selection:
Based on the door thickness, the abovementioned strike plates are standard sets, in the case of single side opening door, depending on the door and doorframe conditions, the strike plate might protrude conspicuously. After checking the door and doorframe conditions, please select the most suitable lip size strike plate from the table, to prevent strike plate protruding largely.

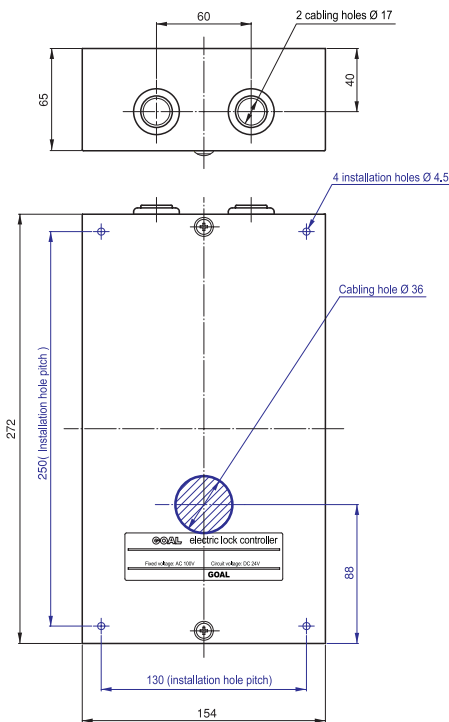
Data input device DAT- 602



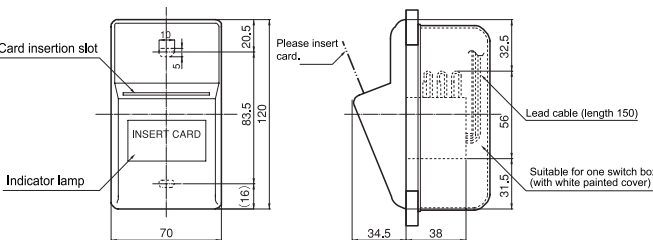
Power relay box PRL- 710



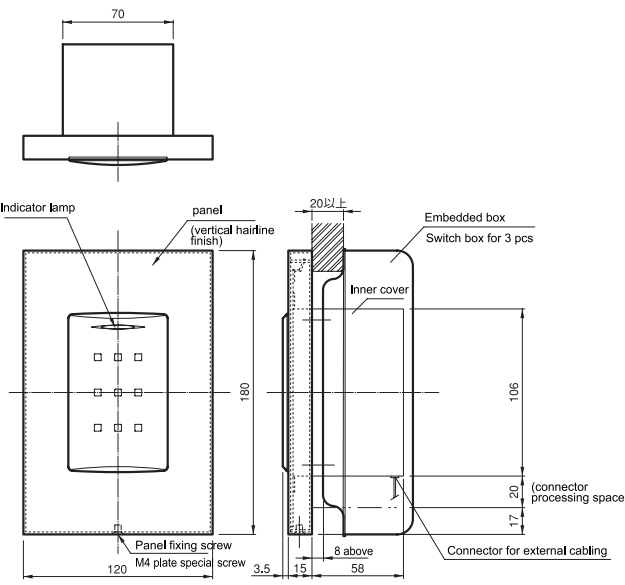
Controller RCB- 730



Card switch CSW- 502



Reverse master card reader CLS- JCLM- 101



Operation plate RSP- 410UH

