KEYLEX® 4000 Prime

Entirely mechanical key-less lock

COOL & TOUGHNESS

New Concept & Design

made in Japan

KEYLEX 4000
COOL & TOUGHNESS

■ FEATURES OF KEYLEX 4000

No electrical work
KEYLEX does not use electricity, so no electrical wiring is required and electrical problems such as power failure, flat batteries. And electrical malfunction can be avoided.

Quick to change code
Changeable the code without taking off lock body from a door.

High visibility and durability buttons
Buttons are made of ZDC.

Fail safe mechanism
Even if the latch bolt is broken, latching function works for a while by support plate.
Then it informs necessary timing to replace with red marks indication..

Anti-panic function
An anti-panic function allows the door to be opened with just one action.

High security and weather proof
Lever handle is equipped with slipping clutch mechanism to avoid damage and nullifies forceed attack or vandalism from outside.
Buttons are designed so that the set code can not be identified even after many years of use.
And a body is designed to keep durability in severe circumstances.

Changeover to free passage
A free passage function can be enabled when using the door frequently.

*Cylinder type: 2 pcs of key are attached.
(K423P has not keys because of no cylinder.)

Button trim

■ Exterior

*Materials
Lock body: Aluminium die cast
Button: Stainless Steel
Lever handle: Zinc die cast

Reset button

Code buttons

Button

Lever handle
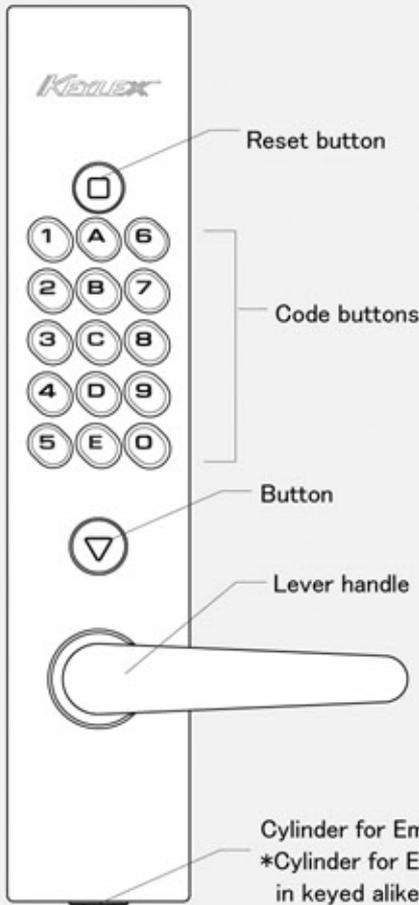
Cylinder for Emergency opening (Supplied for model with key or dead-lock)
*Cylinder for Emergency opening and cylinder for changing code are arranged in keyed alike.

■ Interior

Cover
*Showing cover is opened

Cylinder switch

Thumb turn piece
for mode

■ Passage function (Free)
Passage function remains when door closed.
Opened freely from inside/outside by lever handle operation

■ Auto lock
Auto locked when door is closed. Unlocked by code buttons operation or emergency key form outside.

Cylinder switch type

Dead lock button
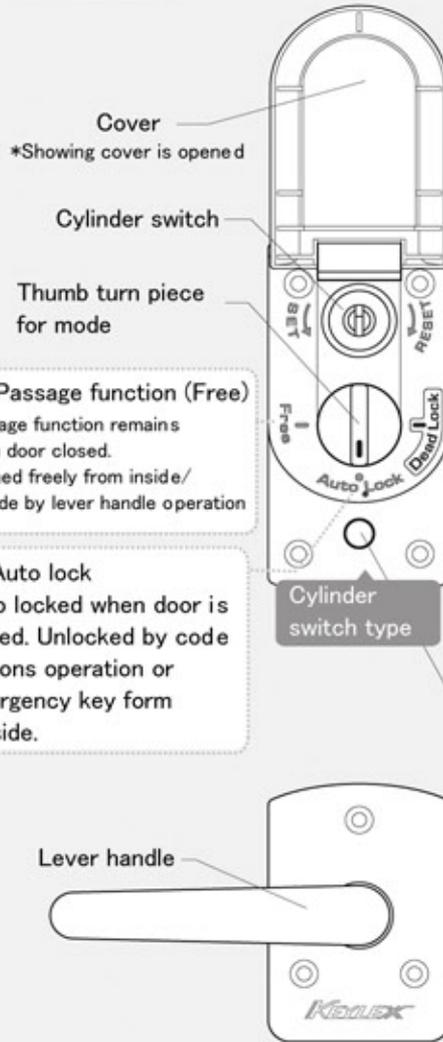
Lever handle

Escutcheon for mode

*Materials
Body: Zinc die cast
Cover: ABS resin

Plug switch

Plug switch type
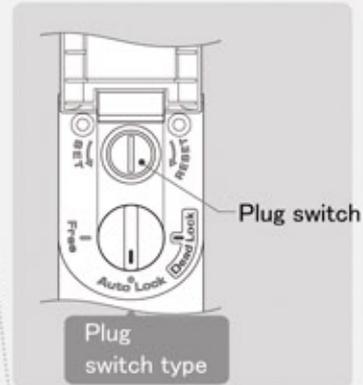
Dead lock
Auto locked when door is closed. Unlocked by key only from outside. (Only available by dead lock type)

Inside lever handle and escutcheon.
*Materials
Body: Zinc die cast
Lever handle: Zinc die cast

■ Color variation

WB (White)

AS (Silver)

AB (AMBER)

■ Instruction

■ For unlocking

From outside

■ Under auto locking system function
• Proceed (1) to (4) for unlocking.

■ Under passage function
• Open door by pulling down lever only.

■ Under dead lock function
• Unlock by key only.
  Not workable by button operation.

(1) Punch reset button
To clear wrongly operated record if any person touched before you start punching.

(2) Punch correct code numbers.

(3) Punch the enter button

(4) Pull down the lever handle
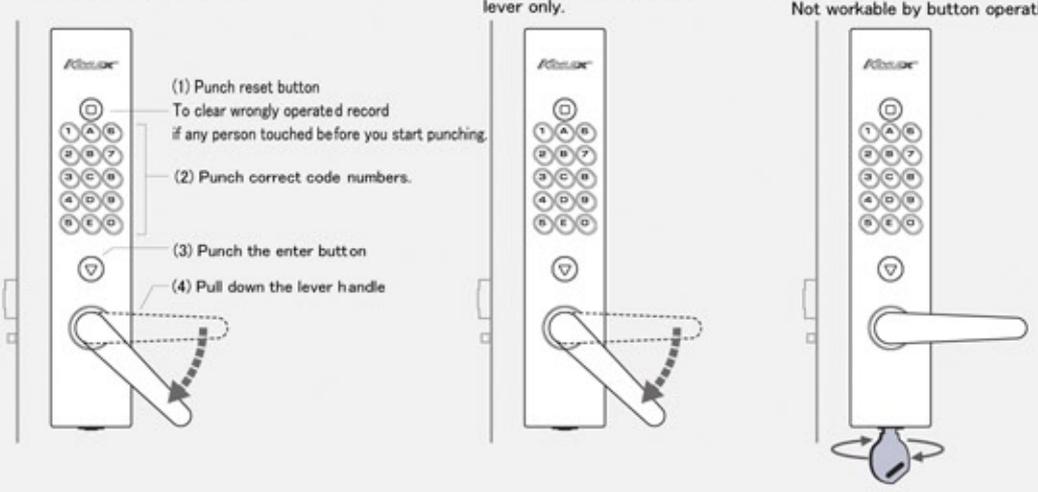
From Inside

You open door by lever handle.
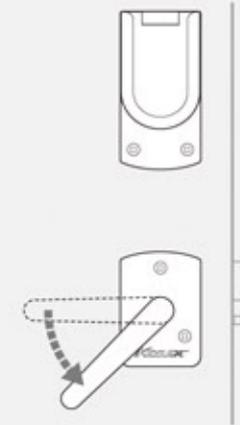
■ Steps for changing code number For security, regular change of code is recommended.

* New code set up is arrangeable as lock body remains on door.
* Make new code set up as door keeps opened.

Cylinder for changing code

① ③ Punch reset button

④ Enter new code number.

Outside

Inside
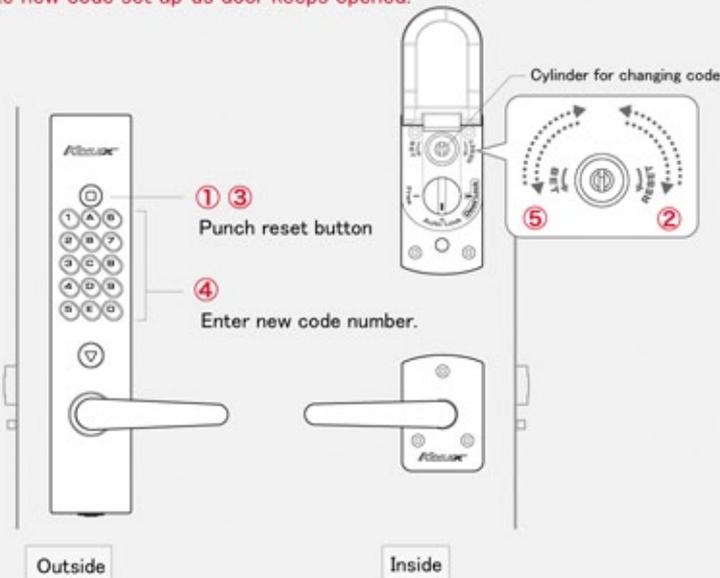
STEP 1
① Punch reset button.
② Put the key into cylinder and turn right 90 degrees then return key to original point and pull it out.

STEP 2
③ Punch reset button.
④ Enter new code number as per your selection.
⑤ Put the key into cylinder and turn left (to set direction) and pull it out.

Note: After you set the new code number, better check if it is correctly encoded by reviewing the punch work of code number

ATTENTION
* 1 to 15 digits as per your option can be encoded by KL4000.
* There is 32,768 combination.
* This mechanical lock gives you free order in punching work.
  Example: If code number 1-2-3 is set, you can unlock by punching either 1-2-3 or 2-3-1, 3-1-2, 1-3-2.
* Basically, just one time operation is enough.
  (Same button cannot be repeatedly pushed.)
  Example: Cannot set up like 1-1-2-3, 1-2-2-3.

■ Correct position of lever handle
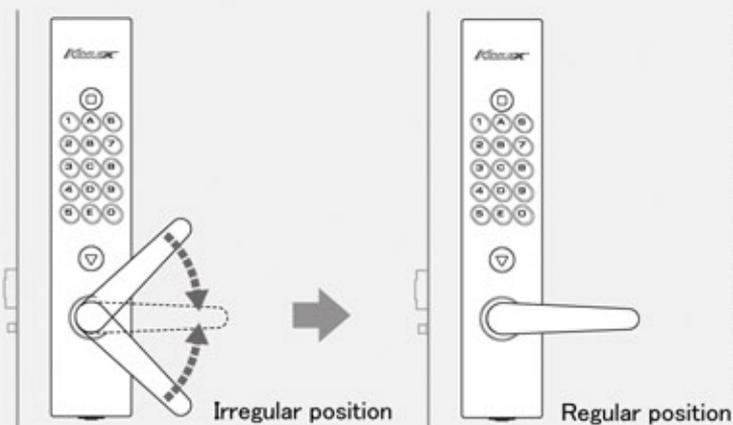
Irregular position

Regular position

In case lever handle does not stay at correct position, it means safety device is actuated to protect from the irregular attack by force.

Lever handle is equipped with safety device to protect from being opened by force.

If lever handle is operated by force without punching code numbers, safety device is actuated to protect inside mechanics and lever handle gets free turn and stops at upper or lower position like sketch shows.

This is not mechanical problem and return the lever handle to the normal position. (In horizontal level) Standard operation is functioned as usual.

· Protection cover is closed.

· Protection cover is opened

Suitable places of installation

Public & Commerce
- Possible to control numerous passengers' incoming & outgoing.
- Keeps locked condition by auto lock system.
- No need to get spare key.
- No extra cost is required to maintain security.

Air port, Bank, Train station, Military, Hospital, School, Laboratory, Stores, Hotel etc.

Meeting room
Room of copy machine
Toilet
Dispensary
Office area
Room for hazardous items
Library or data room
Institute room
Showroom
Reception
Locker room
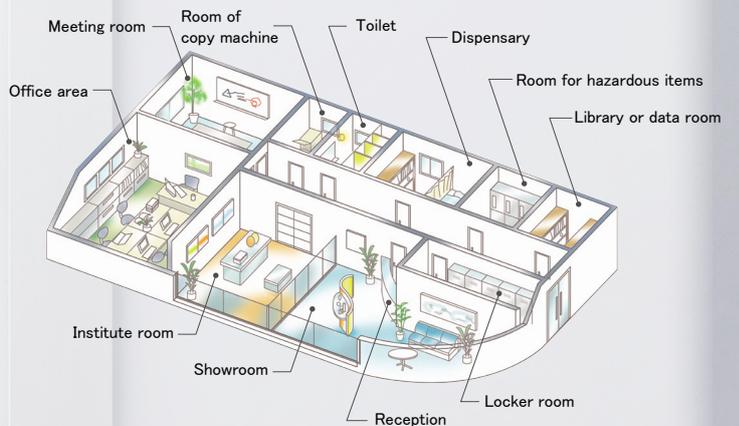
Apartment for rent Dormitory
- Comfortable and safe facility can be appealed to resident.
- No need to change cylinder everytime new resident comes.

Residence
- Save your absent minded from locking.
- Gives visual deterrent effect against burglar attack or entry.

■ Drawing

Auto lock & Cylinder switch type
Article: K423C

Button trim
66

■ Inside

■ Outside

Protect cover is closed.

Protect cover is opened.

330 / 248 / 82

112 / 60
(70.76)
Backset

43.5 / 38

131 / 19.5

76 / DT 30〜45 / 67.5
OEM: 45–60mm

Escutcheon for mode
66

87.5 / 67 / 64 / 181 / 68.5 / 48.5 / 46.5

95

Inside lever handle
66 / 112
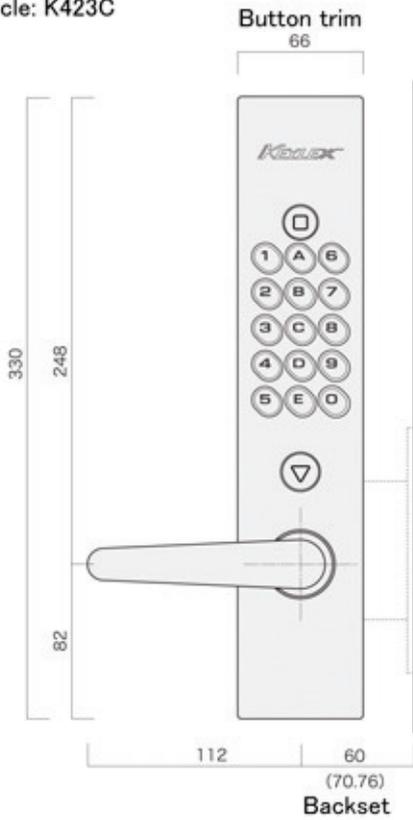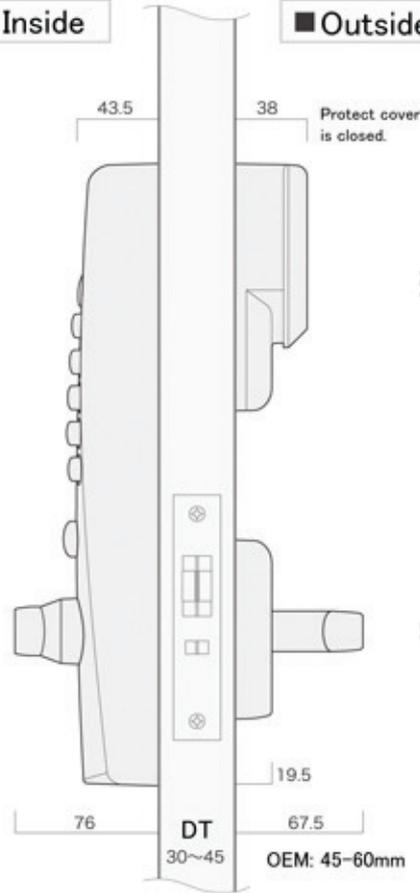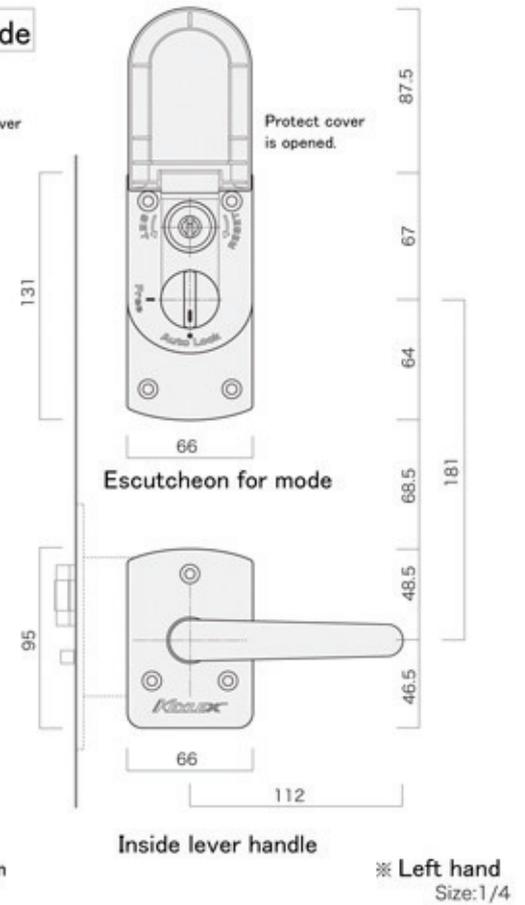
※ Left hand
Size:1/4

■ Lock drawing and Notch

Holes x 10

φ12 / 22 / 22 / φ12
φ24 / 135 / 52
φ24
φ24 / 47.5
φ12 / 22 / 22 / φ12
181

Strike plate

17 / 30
17 6.5
12.5 / 6.6
15
110 / 80 / 42 / 85 / 72.3
15
110 / 130
57.7
50 / 12.5
23 / 2.5 / 32 / 15
23

Double throwing dead latch

S=11 10
15 / 10
10
12
25
7 / .8
6 / 3.8
Maximum

32 / φ12
24 / φ24 / 35 / 73.5 / 21.5
φ12 / 20 / 20 / φ12
60 / 26
(70.76)
Backset

19
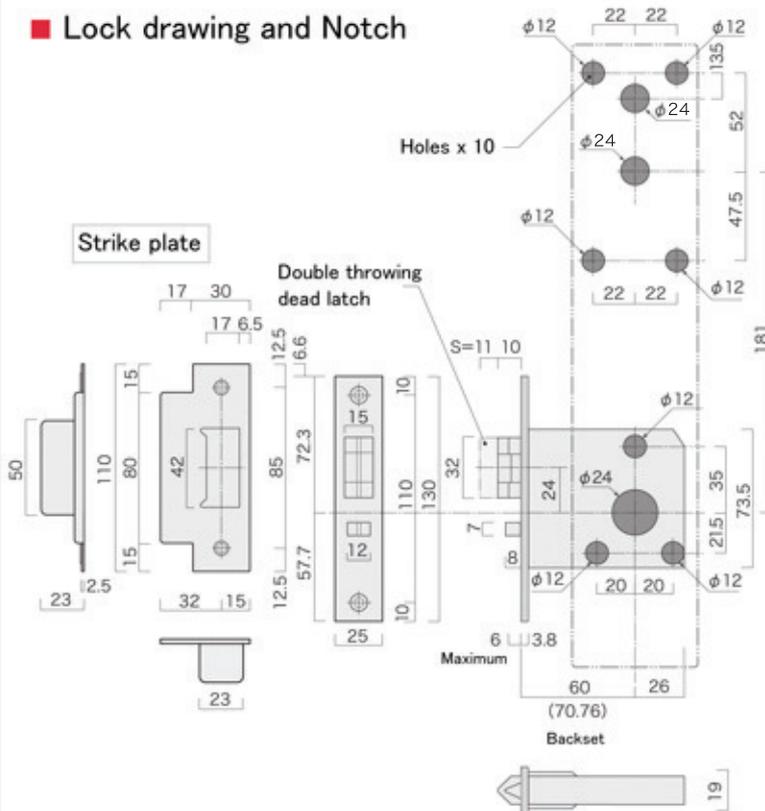
Size:1/4

■ Variation

Article	Article No.	Finish
Auto lock & plug swich type	K423P	AS,AB
		WB
Auto lock & cylinder switch type	K423C	AS,AB
		WB
Auto lock with key, cylinder switch type	K423CM	AS,AB
		WB
Auto lock with dead lock, cylinder switch type	K423CD	AS,AB
		WB
Auto lock with key, plug switch type (Made to order)	K423PM	AS,AB
		WB
Auto lock with dead lock, plug switch type (Made to order)	K423PD	AS,AB
		WB

● Available both side button trim.
● Adaptable below cylinders.
　1. MIWA LA cylinder*
　2. GOAL LX cylinder
　3. HORI T-1d cylinder
　* Unadaptable MIWA disc cylinder
● Gross Weight: 4.5 kgs. (K423CM)