

# Digital Doorlock Installation Manual



**KDL-F2**  
(fingerprint)



**KOCOM**



# KOCOM

## ► Installation

## ► Installation sheet

- 01. Assemble sheet
- 02. Frontbody disassemble sheet
- 03. Rearbody disassemble sheet
- 04. Standards shaft lenght standars list(Unit:mm)
- 05. Installation sheet

# Installation specification **KDL-F2**

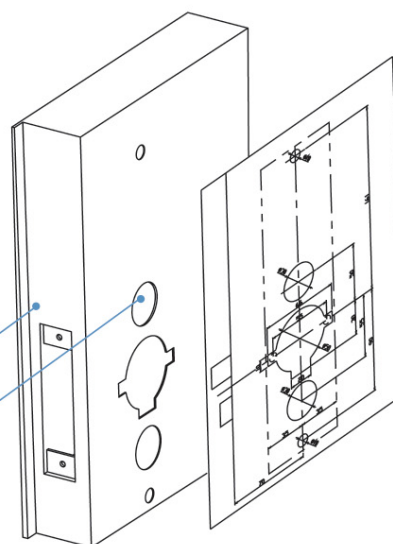

**01**

Check if side key or other products interfere.

By using installation sheet, please puncture as follows.

Fire Door

Installation sheet


**02**

Insert the keybox into the fire door and assemble key box cap.

By using screw(F/H3/1" x1/2"), Fix the keybox.

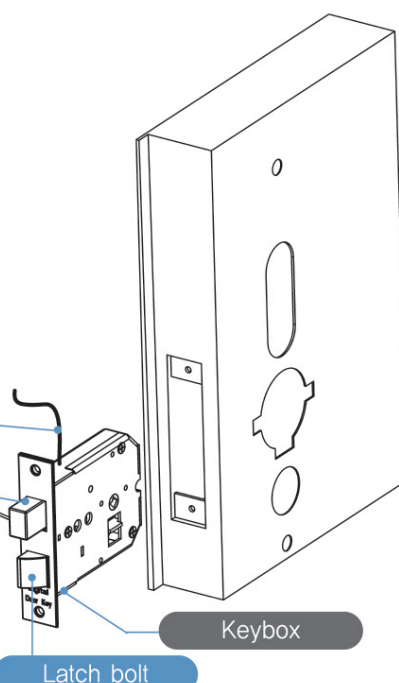
Sensor wire

Deadbolt

Screw F/H3/16" x1/2" (2Ea)

Keybox

Latch bolt





# KDL-F2 Installation specification

03

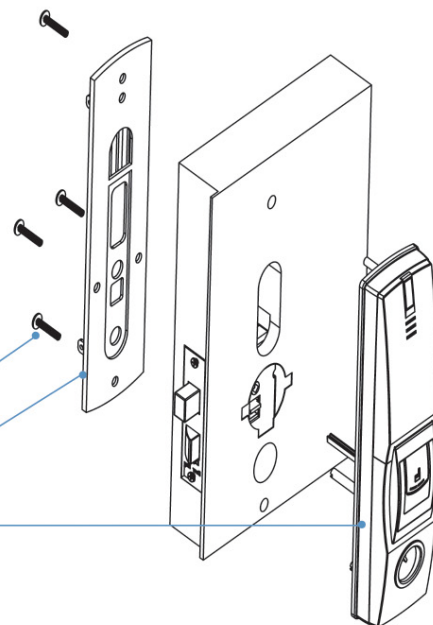
Insert the frontbody and assemble according the picture.

By using fix screw(M5x25),  
fix the digital doorlock.

Fixing screw M5x25(4Ea)

Rearbody Rubber

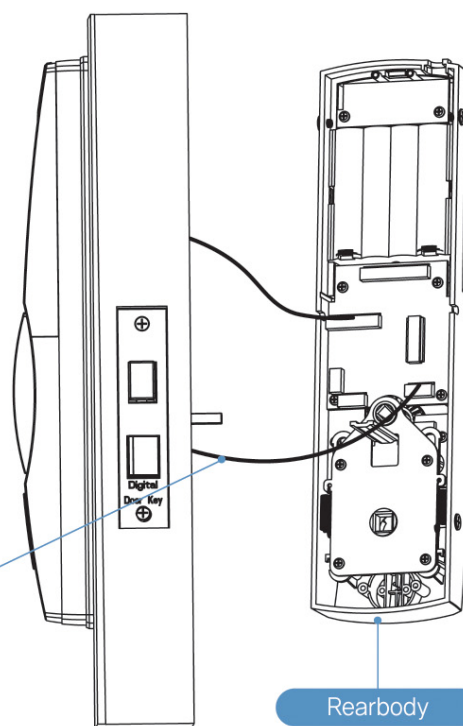
Frontbody



04

Wires attached to the front -  
body should be connected to  
the P.C.B connector of  
rearbody after checking the  
numbers of the keybox  
sensor wire.

Keybox sensor wire



Rearbody

# Installation specification **KDL-F2**

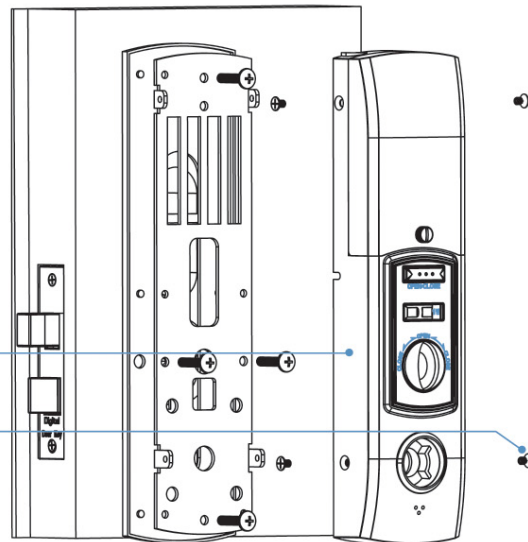
**05**

Fix the rearbody according to the pictures.

By using fix screw(F/H M4x5), fix the rearbody.

Rearbody

Rearbody fixing screw  
F/H M4x5(4Ea)

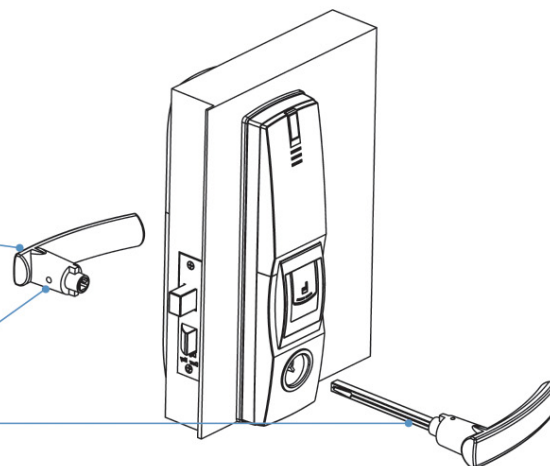
**06**

Fix the handle according to the pictures and tighten the fix screw(HEX M5x10) by using Hexa wrench.

Inner handle

Handle fixing screw  
HEX M5x10(1Ea)

Outer handle(check shaft)





# KDL-F2 Installation specification

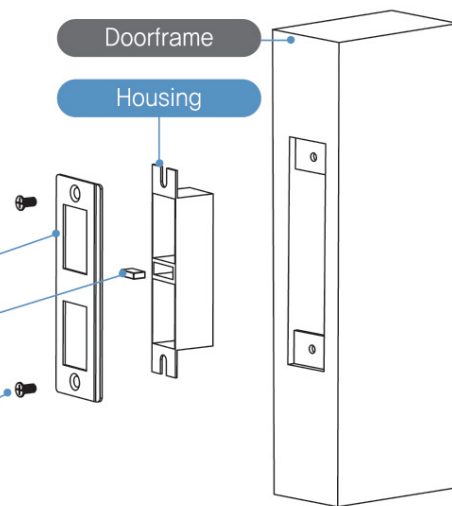
07

Assemble into the doorframe according to the picture and fix by using Catcher fixing screw(F/H 3/16" x1/2")

Catcher

Magnetic

Catcher fixing screw  
F/H 3/16" x1/2" (2Ea)

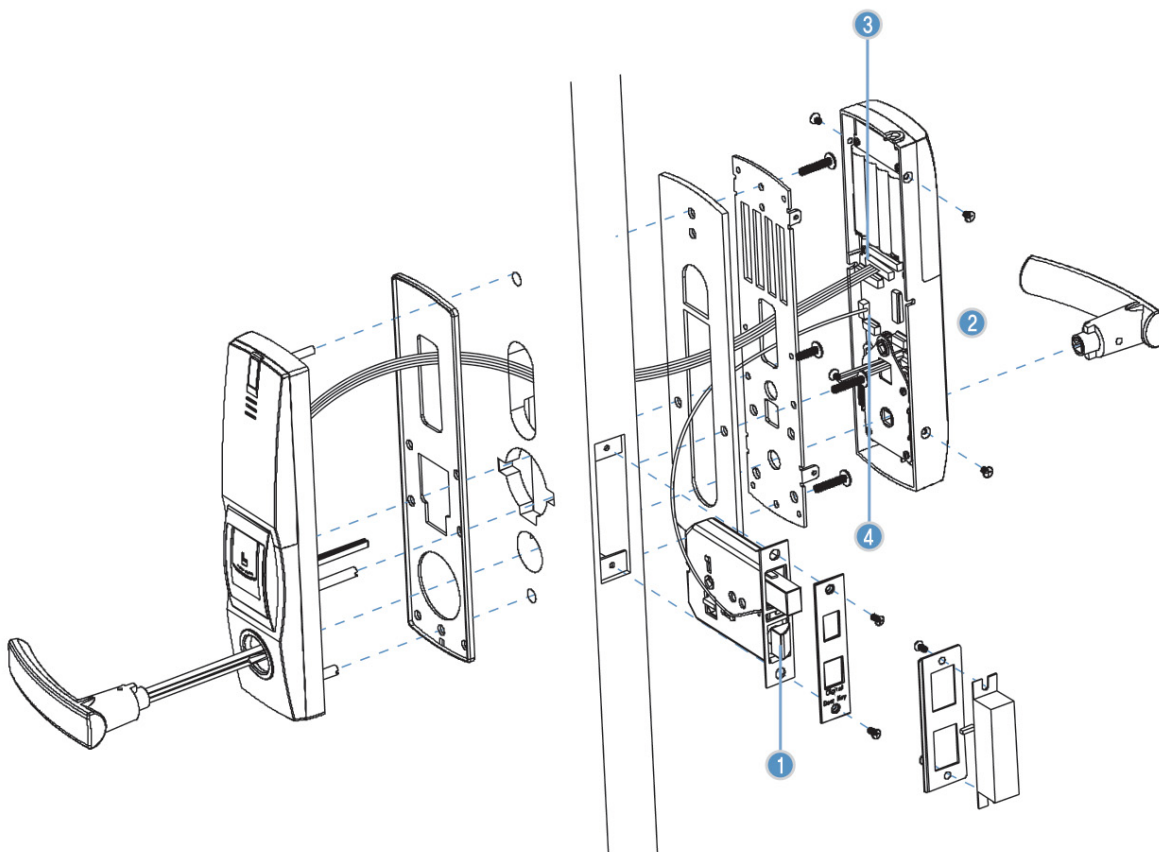


08

After installing, please check as follows.

- 1) Check if door closing function is well and something interferes deadbolt function when door is opened and locked.
- 2) Check if sensor function is well.(check open/close button)
- 3) Check if latchbolt function is well when the handle is upward and downward.
- 4) Check open and close position after registering secret number and finger print.
- 5) Check if emergency key function is well.
- 6) Please refer to manuals not mentioned here.

## Assemble sheet



1

Latchbolt direction should change according to left or right door (left door position picture.)

2

Turn thumb-turn 90° according to right or left door and assemble.

3

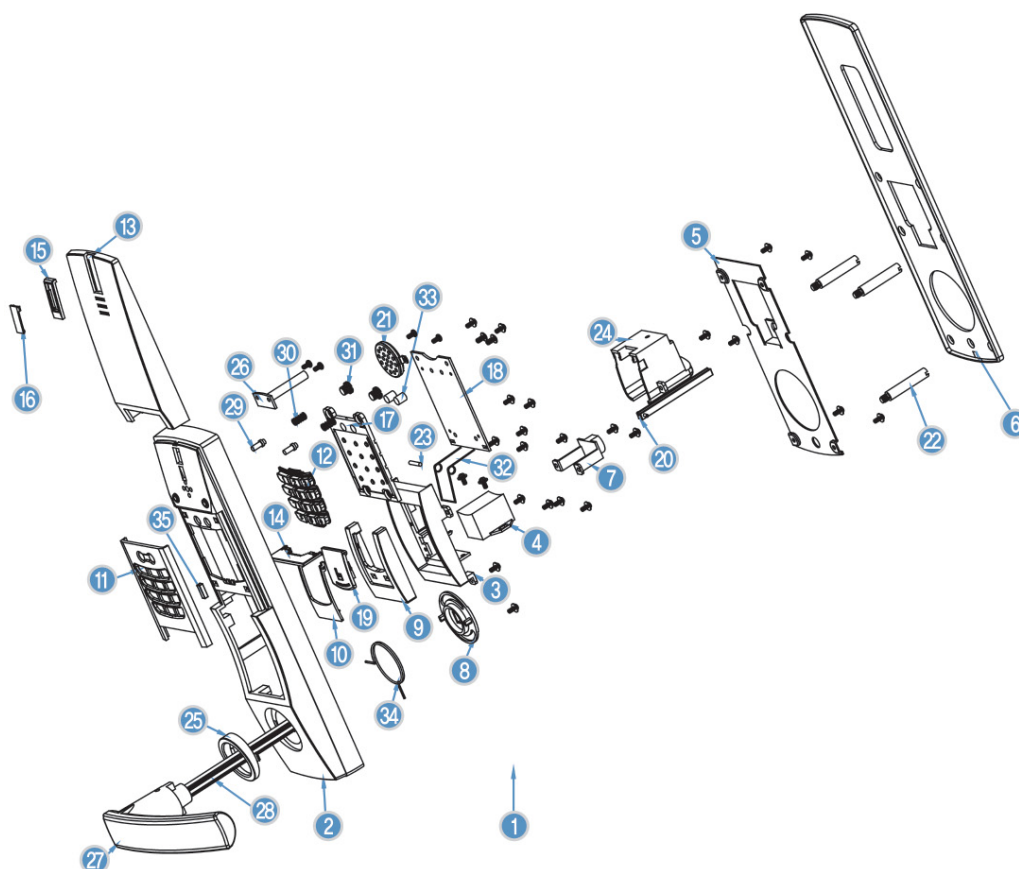
Frontbody wire should connect to the rearbody connector.

4

Keybox wire should connect to rearbody connector.

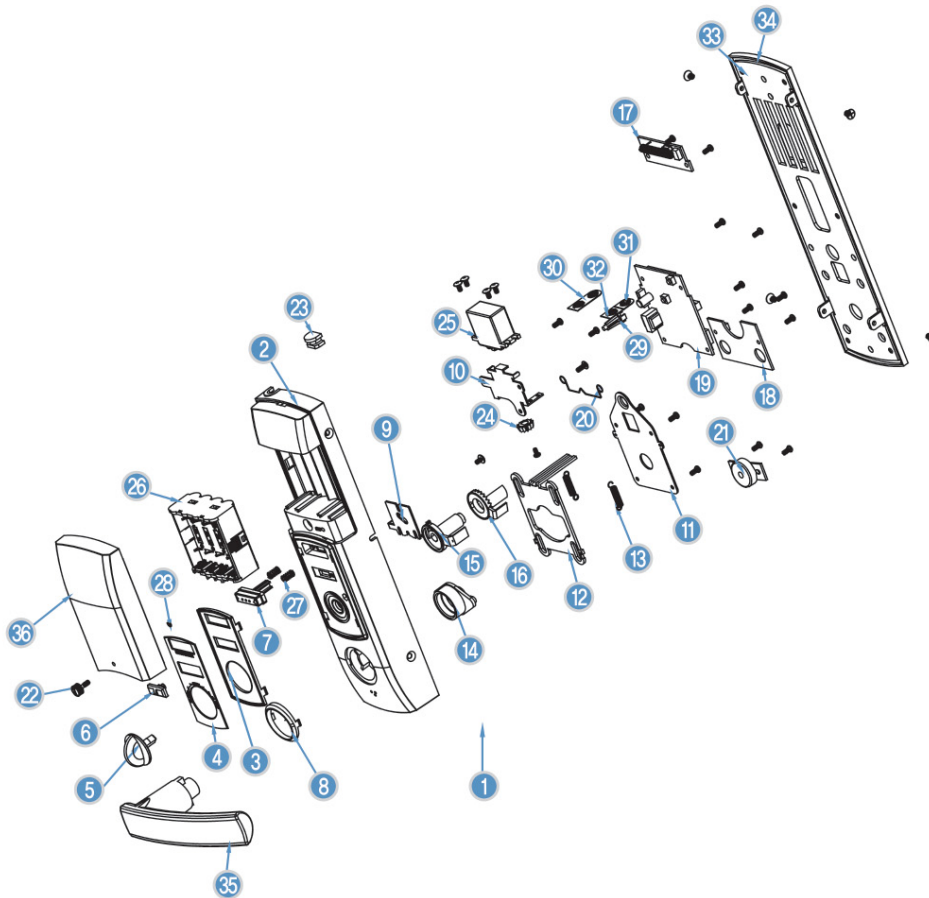


## Frontbody disassemble sheet



| NO | Item Name              | NO | Item Name              |
|----|------------------------|----|------------------------|
| 1  | Front Body Assy        | 19 | Finger Door            |
| 2  | Front Body             | 20 | Thumb Turn Shaft       |
| 3  | Module Frame           | 21 | Speaker                |
| 4  | Finger Sensor          | 22 | Joint Shaft            |
| 5  | Finger Bracket-A       | 23 | Finger Door Shaft      |
| 6  | Front Rubber           | 24 | Finger Box             |
| 7  | Finger Sensor Support  | 25 | Lever Ring             |
| 8  | Levering B             | 26 | Shaft Plate            |
| 9  | Front Plate A          | 27 | Front Handle           |
| 10 | Front Plate B          | 28 | Handle Shaft           |
| 11 | Dial Button Cover      | 29 | Front Slide Pin        |
| 12 | Dial Button            | 30 | Front Slide Pin Spring |
| 13 | Front Cover            | 31 | Front Slide Screw      |
| 14 | Reflector              | 32 | Finger Door Spring     |
| 15 | Front Cover Deco       | 33 | Safety Battery Contact |
| 16 | Front Cover Remote Cap | 34 | Ring Spring            |
| 17 | Dial Button Rubber     | 35 | Magnetic               |
| 18 | Key Pad PCB            | 36 |                        |

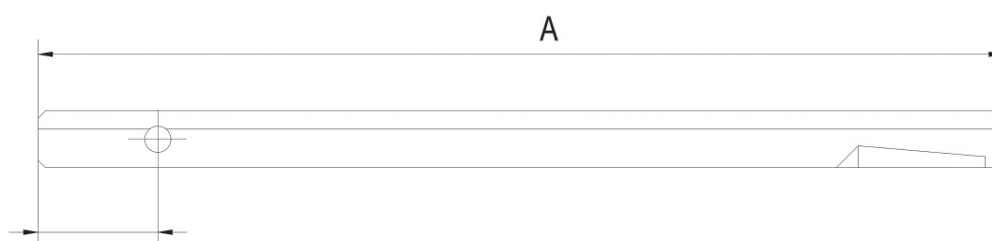
# Rearbody disassemble sheet



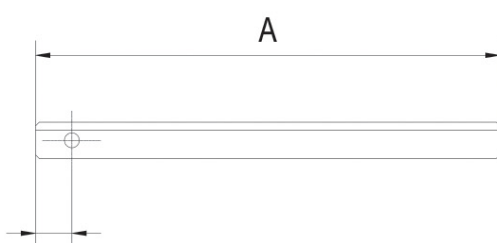
| NO | Item Name            | NO | Item Name             |
|----|----------------------|----|-----------------------|
| 1  | Rear Body Assy       | 19 | Main PCB              |
| 2  | Rear Body            | 20 | All Lock Spring       |
| 3  | Rear Cover Plate     | 21 | Buzzer PCB            |
| 4  | Rear Body Plate      | 22 | Battery Cover Spring  |
| 5  | Thumb Turn           | 23 | Batt. Hole Cover      |
| 6  | Knob Lock Button     | 24 | Motor Gear            |
| 7  | Open Button          | 25 | Motor                 |
| 8  | Handle Guide         | 26 | Battery Case          |
| 9  | Lock Plate           | 27 | Open Close Spring     |
| 10 | Sub Motor Assy       | 28 | Battery Case "C" Ring |
| 11 | Moving Hanger Plate  | 29 | Set Button            |
| 12 | Moving Hanger        | 30 | Battery Plate C       |
| 13 | Moving Hanger Spring | 31 | Battery Plate E       |
| 14 | Levering-A           | 32 | Battery Plate F       |
| 15 | Main Gear Holder     | 33 | Rear Body Fixture     |
| 16 | Main Gear            | 34 | Rear Body Rubber      |
| 17 | Antenna PCB (Option) | 35 | Rear Handle           |
| 18 | Sensor PCB           | 36 | Battery Cover         |



## Standards shaft length standards list(Unit:mm)



Handle Shaft



Thumb Turn Shaft

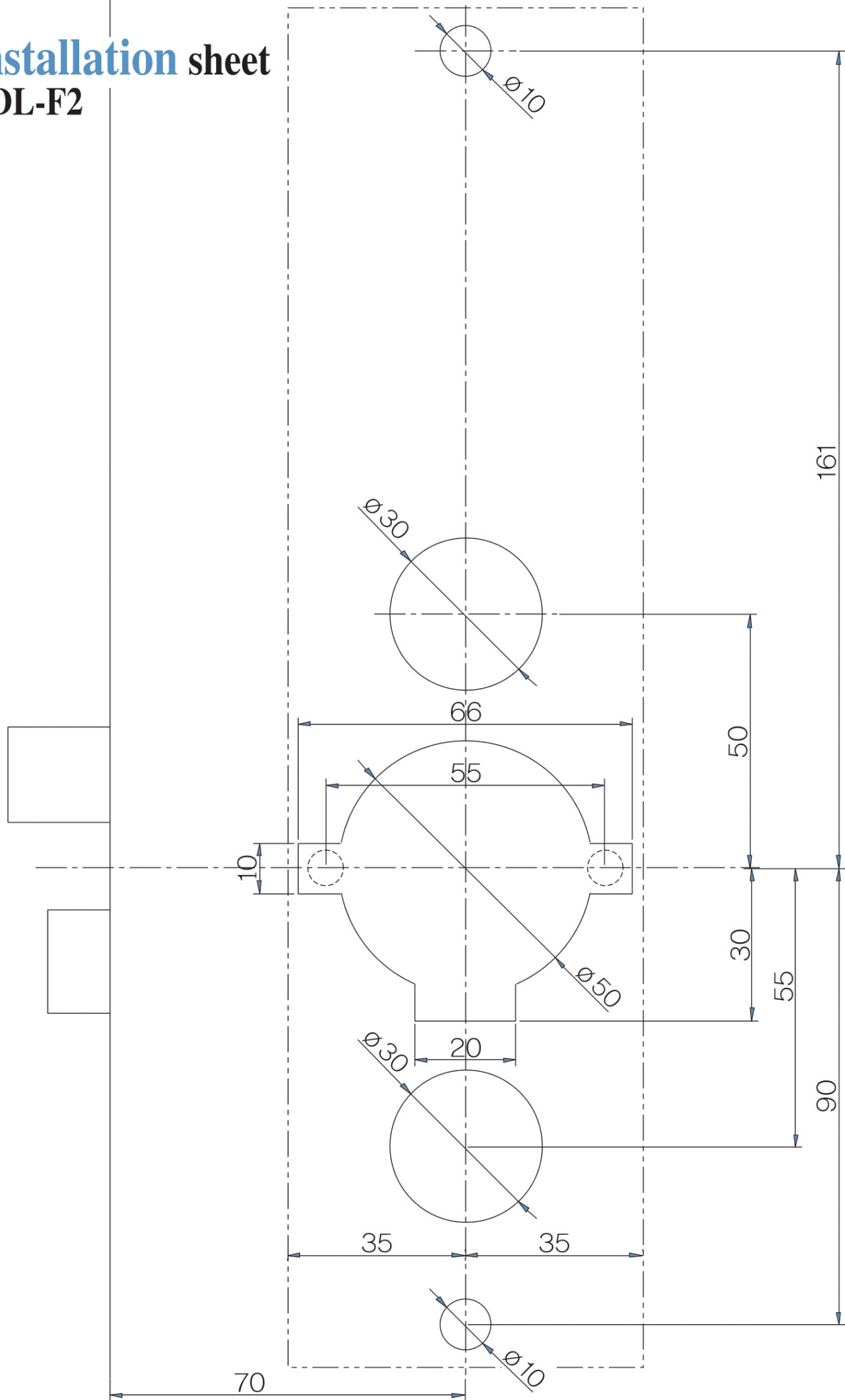


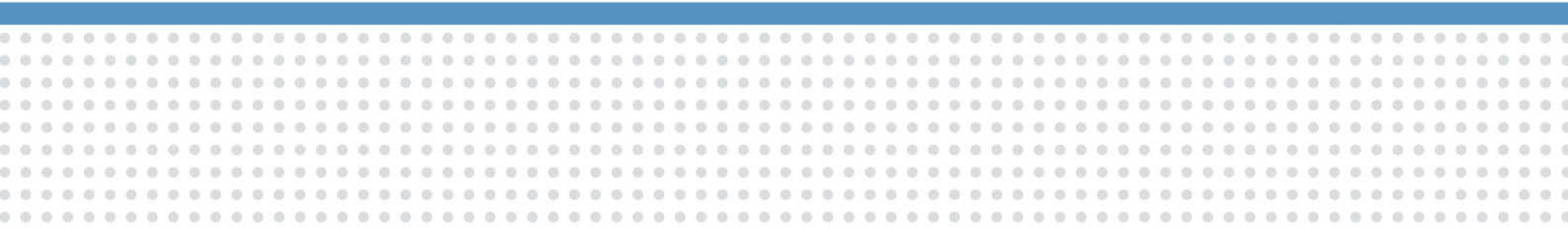
Joint Shaft

| SHAFT Length(mm)<br>FIRE DOOR Thickness(mm) | THUMB TURN SHAFT |   | JOINT SHAFT |   | HANDLE SHAFT |      | SHAFT PLATE | BODY SCREW |
|---------------------------------------------|------------------|---|-------------|---|--------------|------|-------------|------------|
|                                             | A                | B | A           | B | A            | B    | A           |            |
| 35                                          | 50               | 3 | 38          | 6 | 130          | 16.5 | 37          | 5 x 25     |
| 40                                          | 50               |   | 38          |   | 135          |      | 37          |            |
| 45                                          | 60               |   | 48          |   | 140          |      | 37          |            |
| 50                                          | 60               |   | 48          |   | 145          |      | 37          |            |
| 55(MOVING HANGER-B APPLY)                   | 70               |   | 56          |   | 150          |      | 57          |            |
| 60(MOVING HANGER-B APPLY)                   | 70               |   | 56          |   | 155          |      | 57          |            |
| 65(MOVING HANGER-B APPLY)                   | 80               |   | 66          |   | 160          |      | 57          |            |
| 70(ONLY ROUND DOOR)                         | 80               |   | 66          |   | 165          |      | 57          |            |

\* Install after checking the thickness of fire door. Normal thickness of Kocom is 40mm. If the door thickness is different, please consult with Kocom staff.

Installation sheet  
KDL-F2





**KOCOM**

**Head Office:** KOCOM Bldg., 260-7 Yumchang-Dong, Kangseo-Gu,  
Seoul 157-040, Korea  
Telephone: +82-2-6675-2211 Fax: +82-2-6675-2000