

Control box JCB35K3



TECHNOLOGY
DRIVES INTELLIGENT LIFE

Data sheet

Control box JCB35K3

- JCB35K3 is a control box which specially designed for patient lift. The battery can be removed and charged, or it can be directly plugged into the controller for charging. It has a long service life; the position of the emergency stop switch is more user-friendly to prevent accidental touch and easy emergency situations. Cut off quickly to ensure safety and reliability; with a 2.0-inch TFT color display, the operation is more intuitive.



Features

- Main power: 25.2V/4.4AH high-performance battery
- Out put power: 24VDC/4.4AH and 2.2AH optional
- Actuator interface: Max. 3channels, 6-pin ET bending plug
- Handset interface: 1 channel, 10 pin crystal bending plug
- Standby power: $\leq 0.1W$ (When the emergency stop switch is not pressed)
- Color: blue and white
- Control Method: relay the life-time exceeds 10,000 cycles.(suit signal switch)
- Duty Cycle: 2/18min @ 25°C
- Net Weight: 2.7kg
- IP Grade: IPX6
- Display mode: with 2.0 inch TFT color display
- Battery power display: simultaneously displayed on the operator and on the screen
- Low voltage alarm: buzzer alarm and display warning icon
- Emergency stop switch: cut off battery power in an emergency
- Safety system: single-channel overcurrent protection
- Flame retardant grade: V0
- Line card: all ports have

Special function

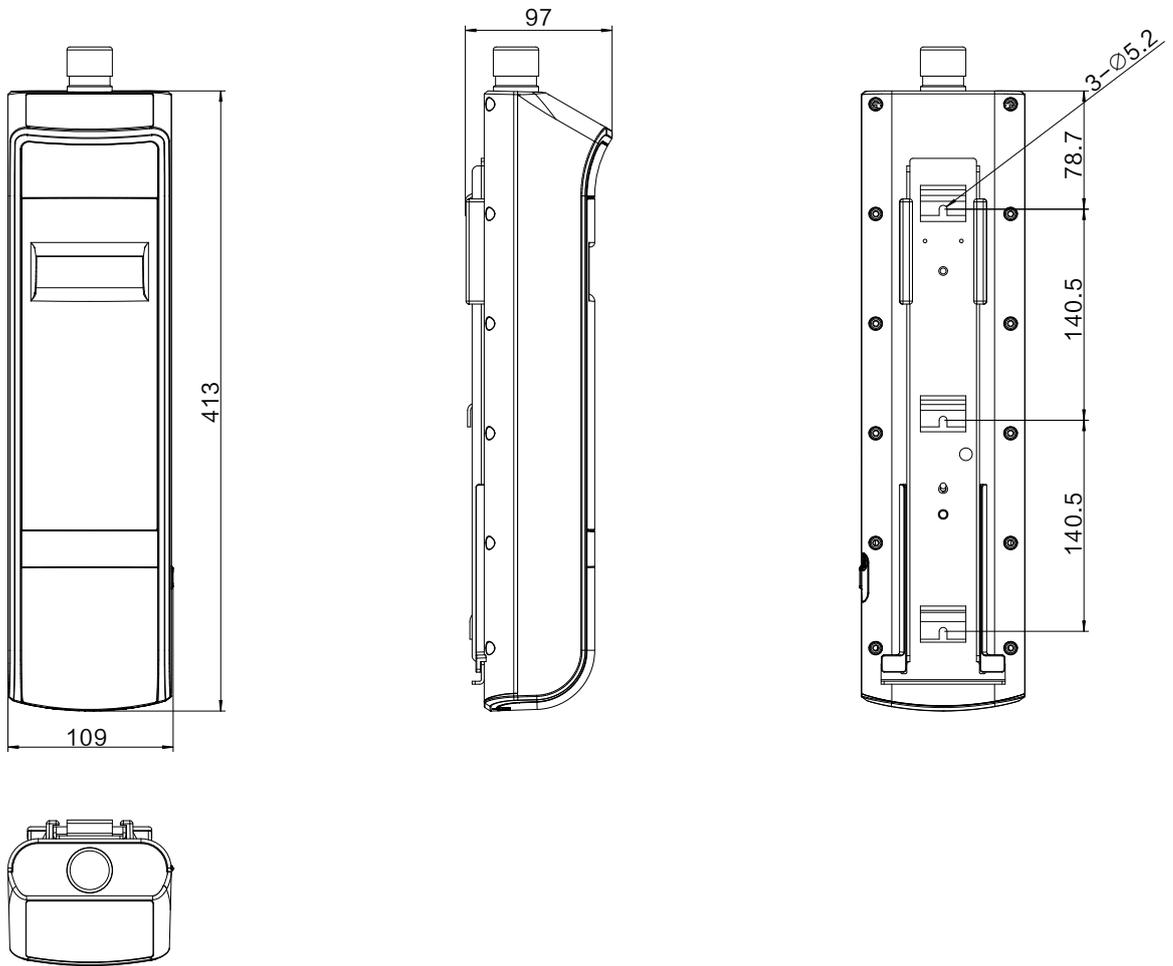
- Support two ways of built-in direct charging and external charging stand (4.4AH lithium battery charging time is about 5 hours)
- The indicator light flashes on the low-battery manipulator + the controller buzzer alarm + the display warning icon
- The display shows the battery level, the dynamic icon of the fader, and the number of runs and overloads of the first control fader
- Customers can set the period of regular maintenance of the system, and a reminder will be issued after the expiration
- The number of push rod cycles in each maintenance cycle can be recorded and saved for easy viewing
- Customers can automatically set the overcurrent protection value of the first control push rod according to the load of their own shelf and follow the operating instructions

Usage

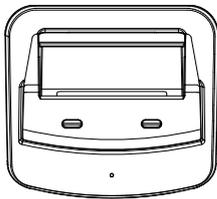
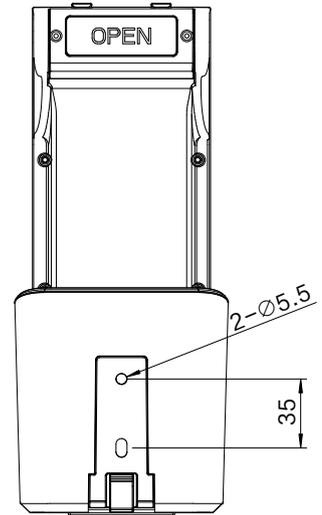
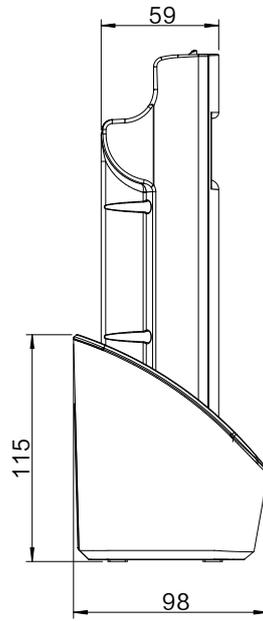
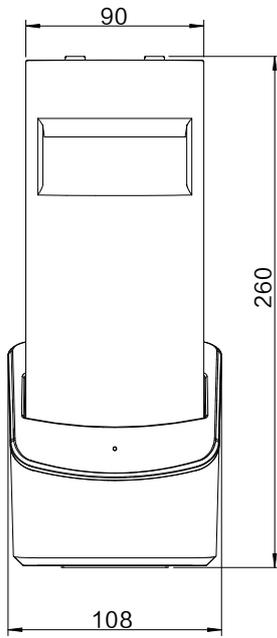
- Operating temperature: +5°C to +40°C
- Storage temperature: -10°C to +50°C
- Relative humidity: 20% to 80%(non-condensing)
- Atmospheric pressure: 860 to 1060 hPa
- Altitude: Max. 2000m
- Approvals: UN38.3
 - BY Air Certification for Safe Transport of Chemical Goods
 - BY Sea Certification for Safe Transport of Chemical Goods
 - IEC/EN60601-1 edition 3.1
 - EMC: IEC/EN60601-1-2

Dimension drawing

control box part



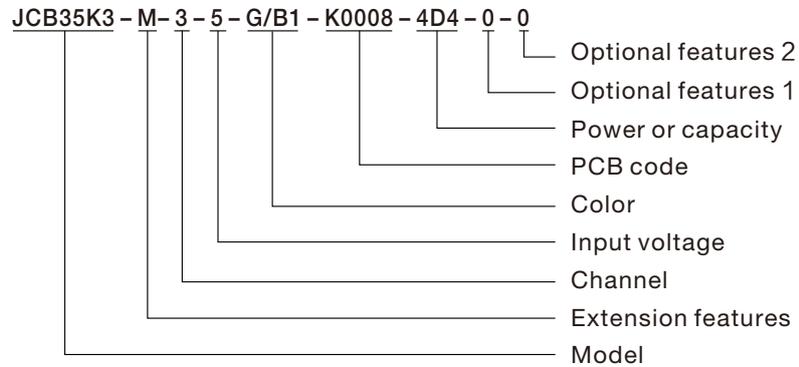
Battery charger part



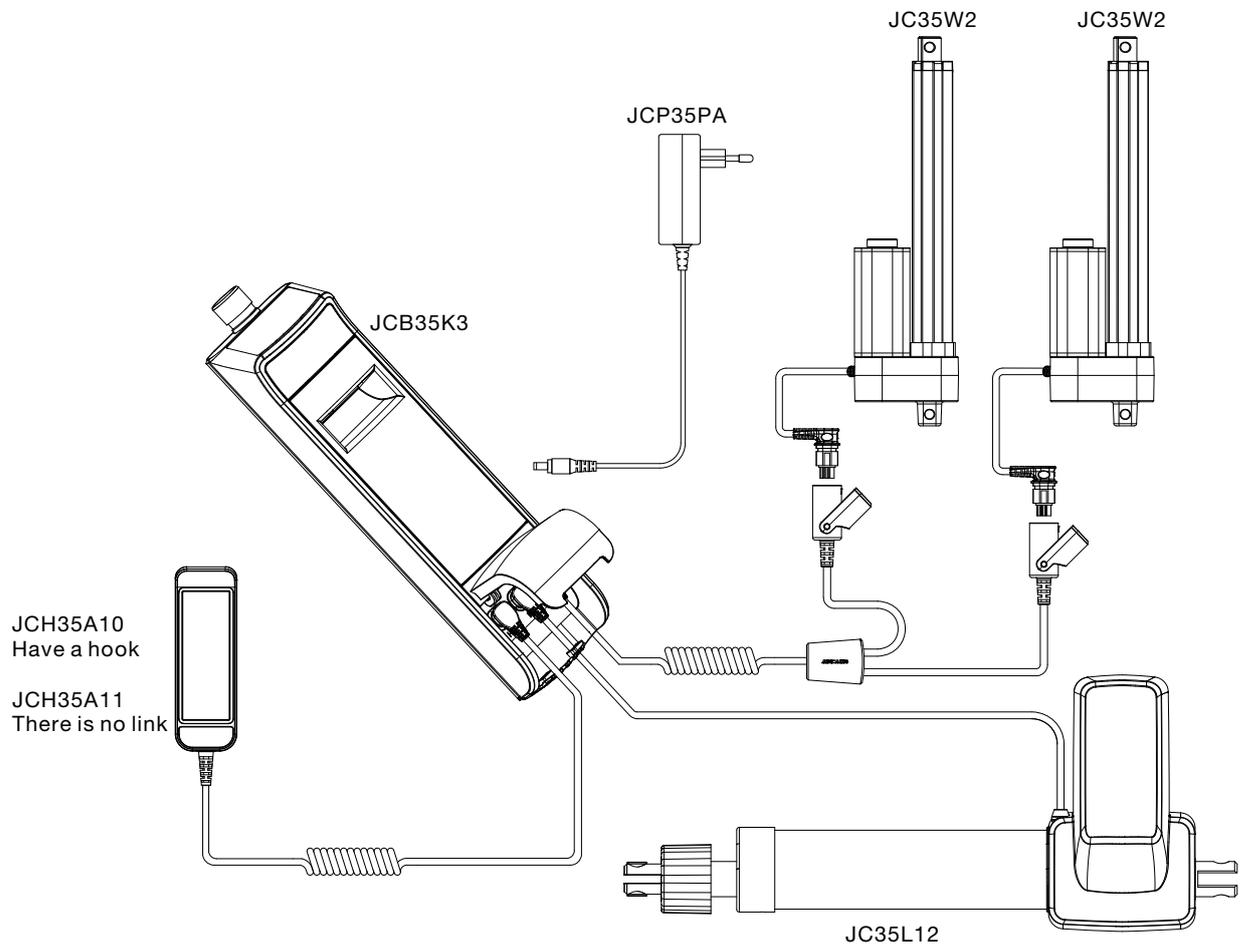
Ordering Key

Model	JCB35K3	JCB35K3=Kseries controller
Extension features	X	M=With chips A=With Battery Y=Remote control
Channel	X	3=3 channels
Input voltage	X	1=110VAC 2=220VAC OR 230VAC OR 240VAC 3=110VAC-240VAC 4=10-20VDC (include 20) 5=20-30VDC (include 30) 6=30-42VDC (include 42)
Color	X/X	Gray G/blue B1
PCB code	XX	K0008=specific code
Power or capacity	XX	2D2=2.2AH 4D4=4.4AH
Optional features	XX	0=none

Naming regulation

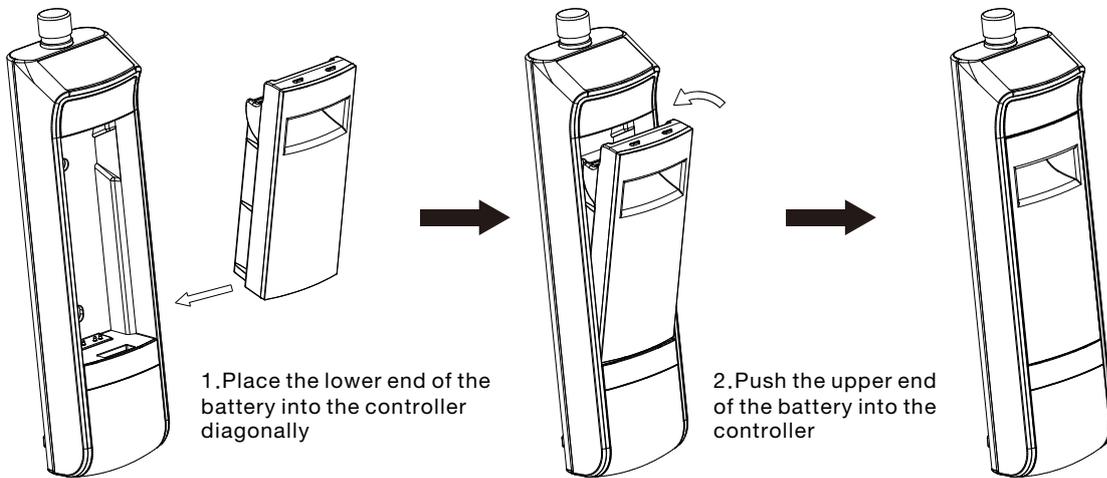


JCB35K3 System Connection

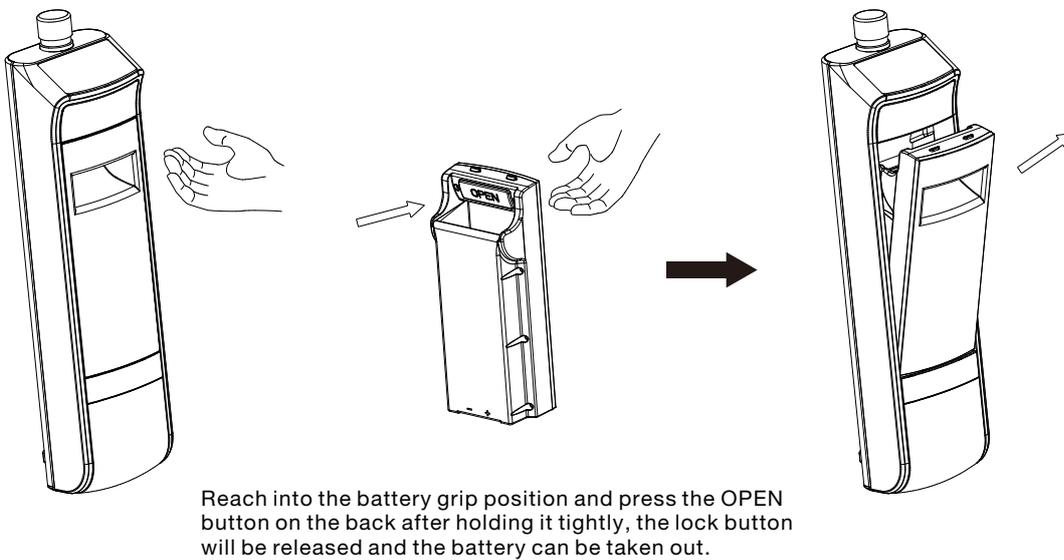


Mounting

Battery position steps



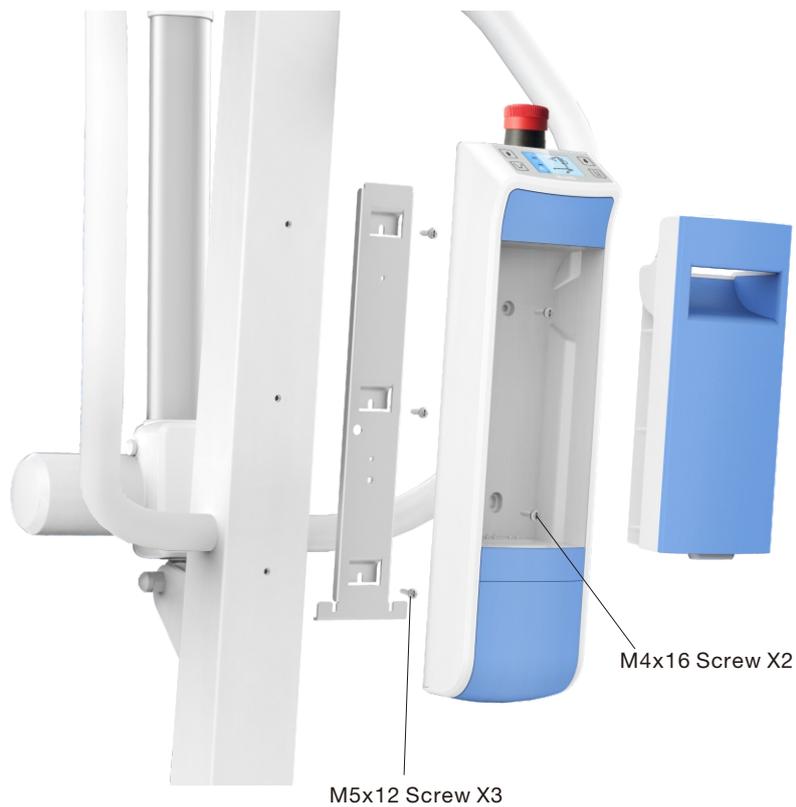
Battery removal steps



Install on frame

The controller can be installed on the patient lift or any other application according to the following steps.

- 1) Fix the mounting plate on the shifter frame with M5 screws;
- 2) Insert the controller into the mounting plate from top to bottom, and fix it on the mounting board with M4 screws;
- 3) Install the battery.



Note:

1. It is recommended to install the controller vertically for easy viewing of the
2. Recommended torque: 0.6Nm +/-0.1

Charger station position on the wall

The charging stand can be installed on the wall or any other application according to the following steps.

- 1) Fix the mounting plate to the wall with ST4.9*25 screws;
- 2) Put the charging stand on the mounting plate from top to bottom.



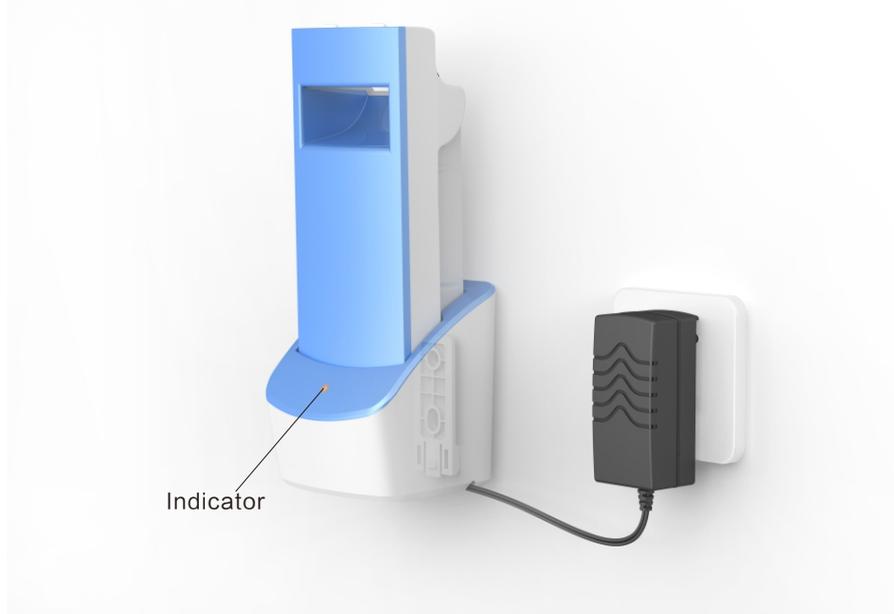
ST4.9 × 25 Screw X2

The charger station is on the table



Charger situation

- 1) The charger has an indicator light, orange means charging, green means fully charged, and turns from orange to green when fully charged.
- 2) During the charging process, the operation buttons are invalid, and the display shows the charging interface.



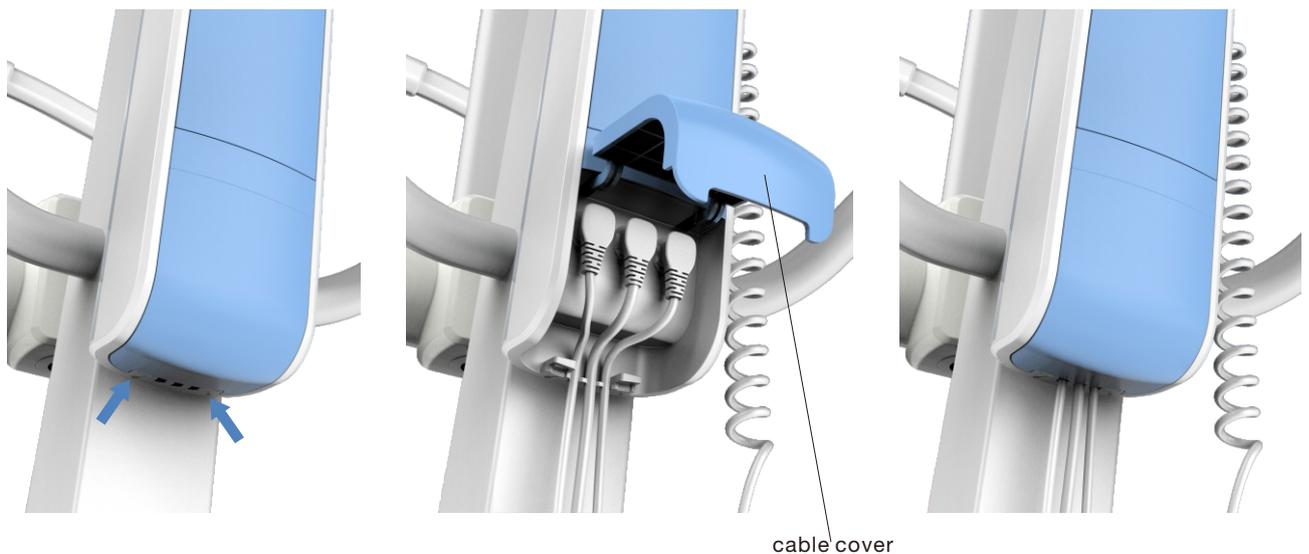
Note:

The charger station is not waterproof, just could be used in a dry indoor environment, not washable

Cable locking and management

The control box JCB35K3 has a uniquely designed cable cover. The cable cover is closed, it acts as an integrated actuator lock.

- 1) Use a flat-blade screwdriver tool to open the cable cover
- 2) Push the cable plug into the control box;
- 3) Close the cable cover until it snaps into place.



Note:

Please use the suitable tools to open the cable cover (long*wide:8mm×3mm)

Emergency stop

In an emergency, press the emergency stop switch to quickly cut off the power supply. The screen turns off and all actions stop. According to the arrow on the switch, turn the emergency stop switch clockwise, the controller is powered on and it can operate normally



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