JCB35K2-B Control box

JCB35K2-B is a specially developed solution for patient lift. It provides care-takers with convenience for short distance transportation of patients.
The complete system consists of a control box and a lithium battery enclosed in a single elegant module.
The system is approved according to medical safety standards and contains a series of features ensuring a safe lift, e.g. the soft-start and emergency stop etc.



General Features

Output Voltage:	25.9VDC/2.2Ah or 4.4Ah
Actuator Ports:	Max 2 channels
Hand Control Port:	1 channel
Colour:	Gray
Over-current Protection:	Yes, with LED indication
Battery Status Display:	Simultaneously displayed on the handset and on the control box
Emergency Stop:	Yes
Low Voltage Alarm:	Buzzer alarm and indicator flashing
Protection Class:	IPX4
Approval:	UN38.3 BY Air Certification for Safe Transport of Chemical Goods BY Sea Certification for Safe Transport of Chemical Goods BY Road Certification for Safe Transport of Chemical Goods IEC 60601-1:2005+A1:2012+A2:2020 EN 60601-1:2006+A1:2013+A12:2014+A2:2021+A13:2024

The battery status is shown in real-time with LED.
The control box can be charged directly.

Special Function

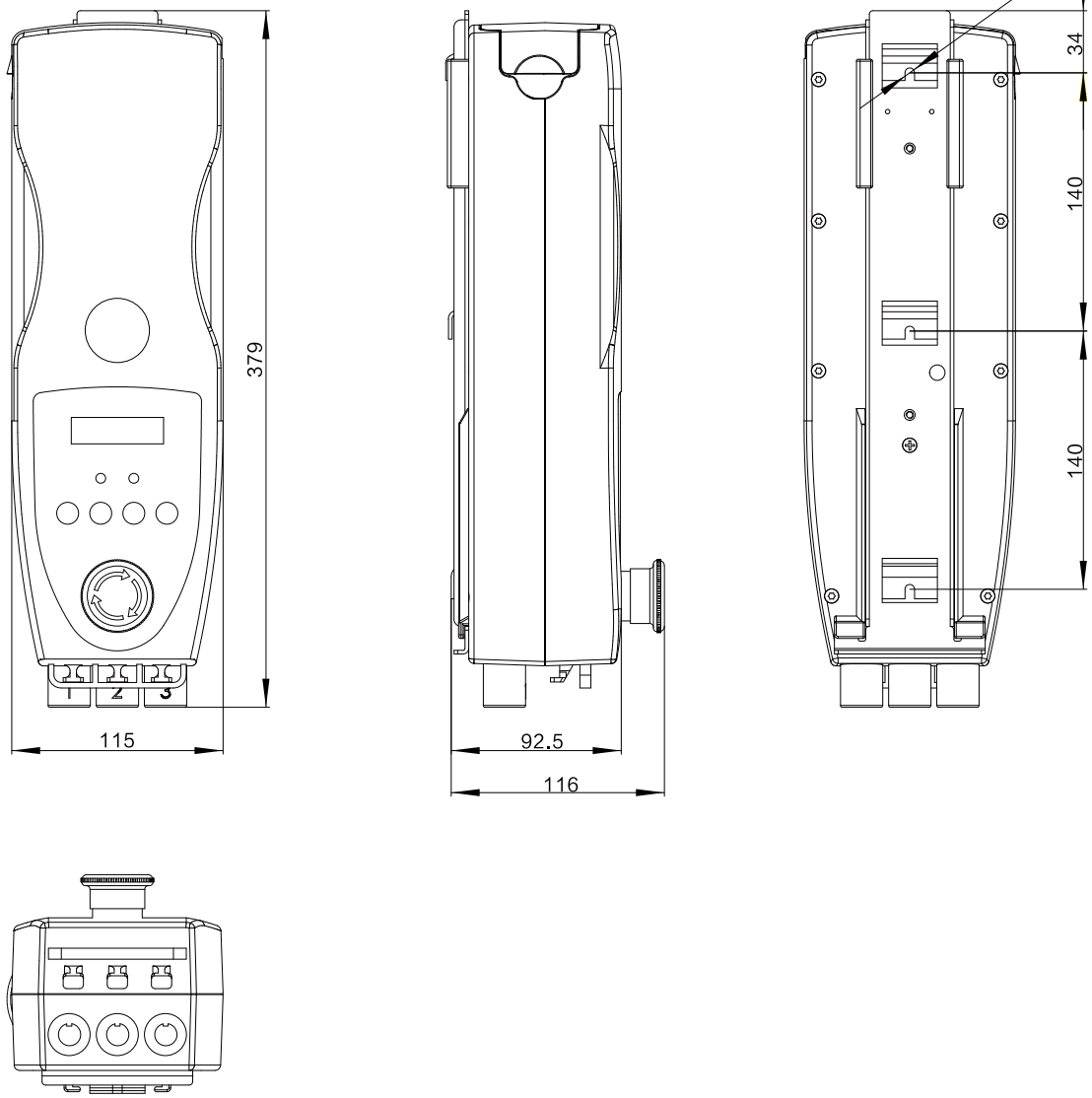
- Three-segment LED display of the battery status on handset. Double prompt to low battery: indicator flashing + buzzer alarm
- Low voltage alarm: Press the button, if it is detected that the battery voltage is lower than 21.5V, the buzzer will alarm. Release the button, the buzzer stops.
- No need to remove the battery, the control box can be charged by charger directly.
- Low power consumption: When without operation in 10S, the power indicator on the handset and the display on the control box will be off and the control box gets into the low power consumption state.

Usage

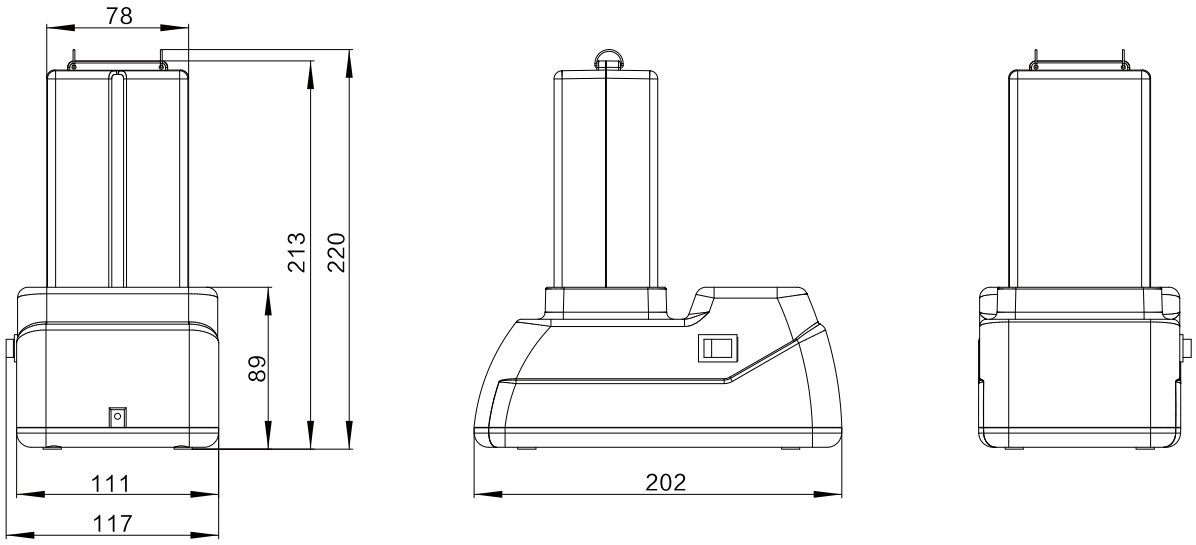
Operating Temperature:	+5 °C to +40°C
Storage Temperature:	-10°C to +50°C
Relative Humidity:	20% to 80%, non-condensing
Atmospheric Pressure:	700 to 1060 hPa
Altitude:	Max. 3000m

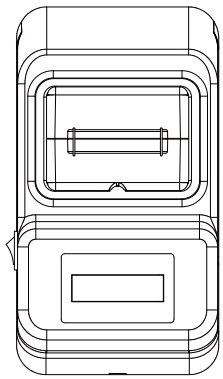
Dimensions

Control box



External Charger



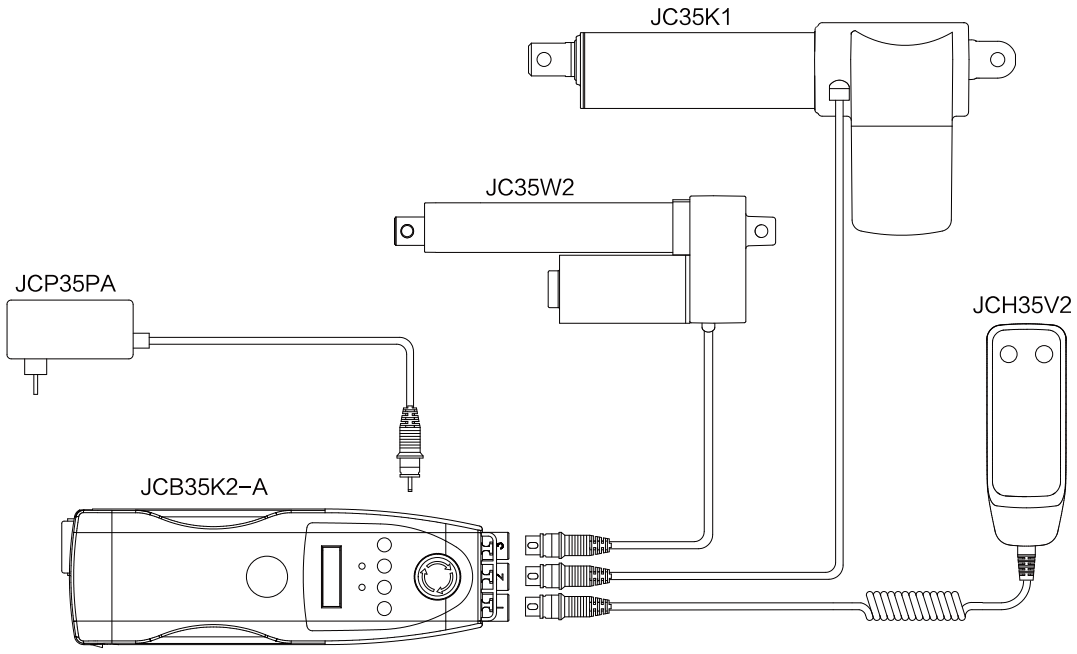


Ordering Key

Take **JCB35K2M35GK00084D4A0** as an example

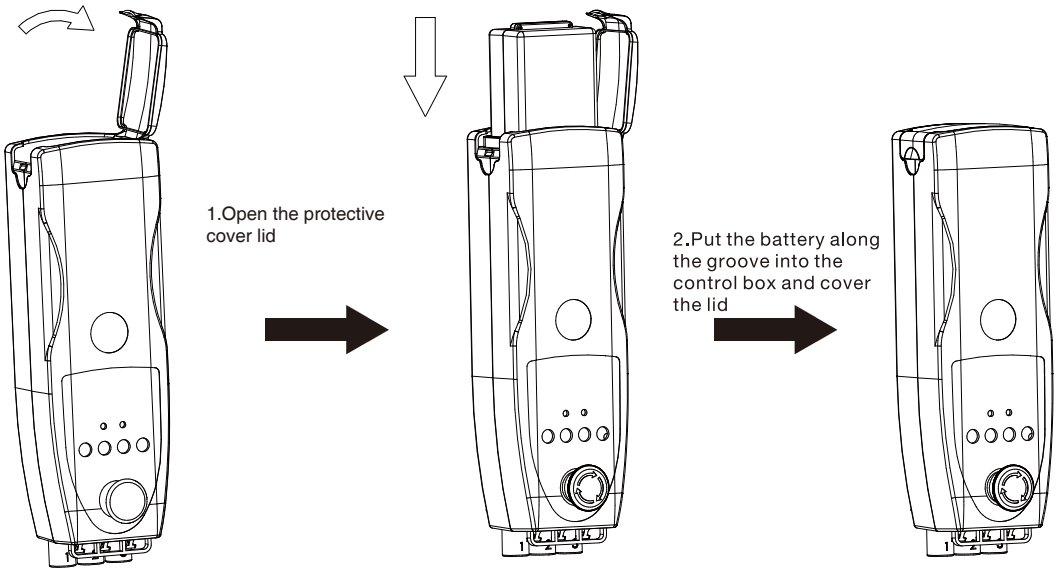
Model	**JCB35K2**	
Extension features	**X**	0 = standard / AM = With Battery function and microchip M = With microchip
Actuator channel	**X**	2 = 2 Channels
Input voltage	**X**	4=20-30VDC (including 30) / 5=30-42VDC (including 42)
Colour	**X**	G = Gray
PCB code	**XX**	K0008 = specific code
Battery capacity	**XX**	0 = Without battery / 2D2 = 2.2Ah / 4D4 = 4.4Ah
Optional features	**XX**	A = With screen display / B = Without screen display

Diagram-system overview

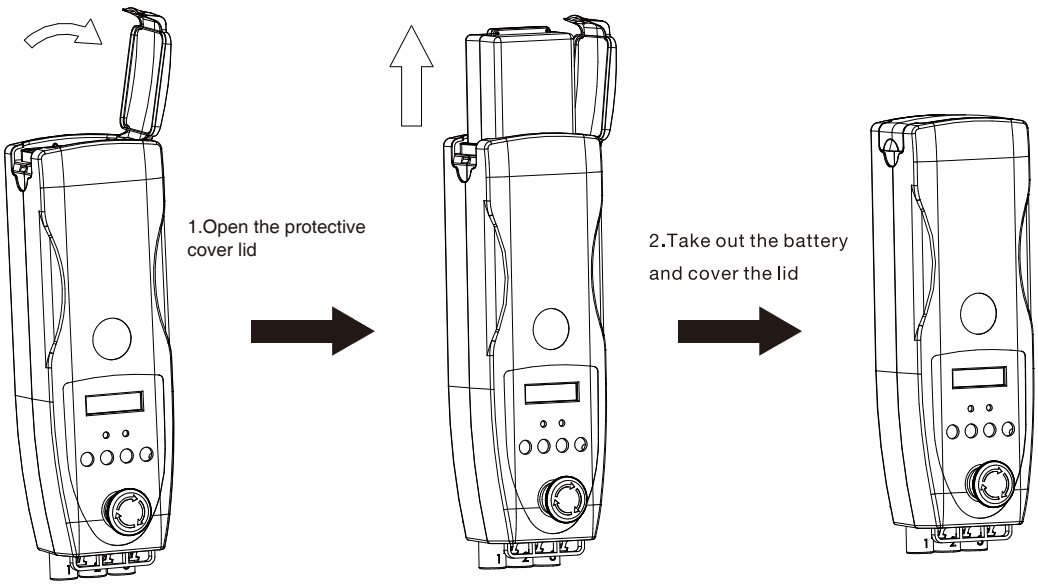


Installation

Battery installment steps



Battery removal steps



Installing JCB35K2-A to the frame

The control box can be installed on the patient lift or any other application according to the following steps.
1)Fix the mounting plate on the patient lift frame with M5*12 screws;
2)Insert the control box onto the mounting plate.



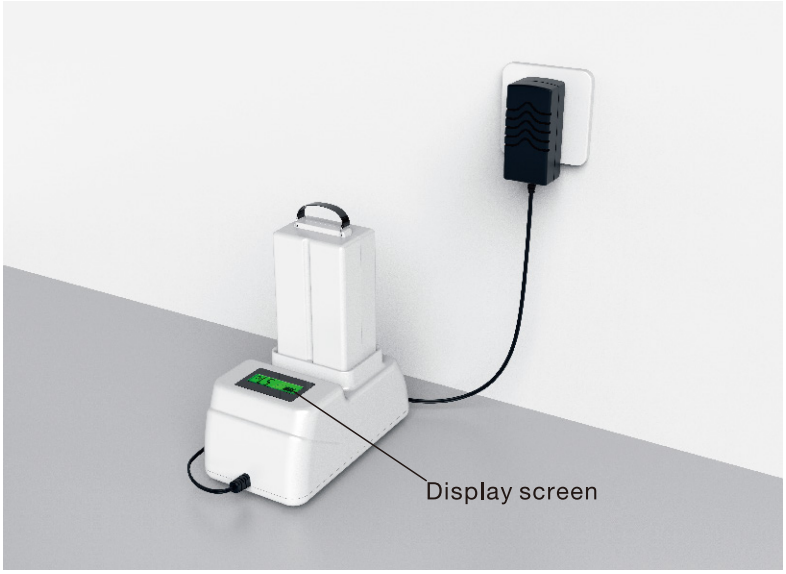
Note:	It is recommended to install the control box vertically for easy viewing of the screen display.

The charger is on the table



Charging status

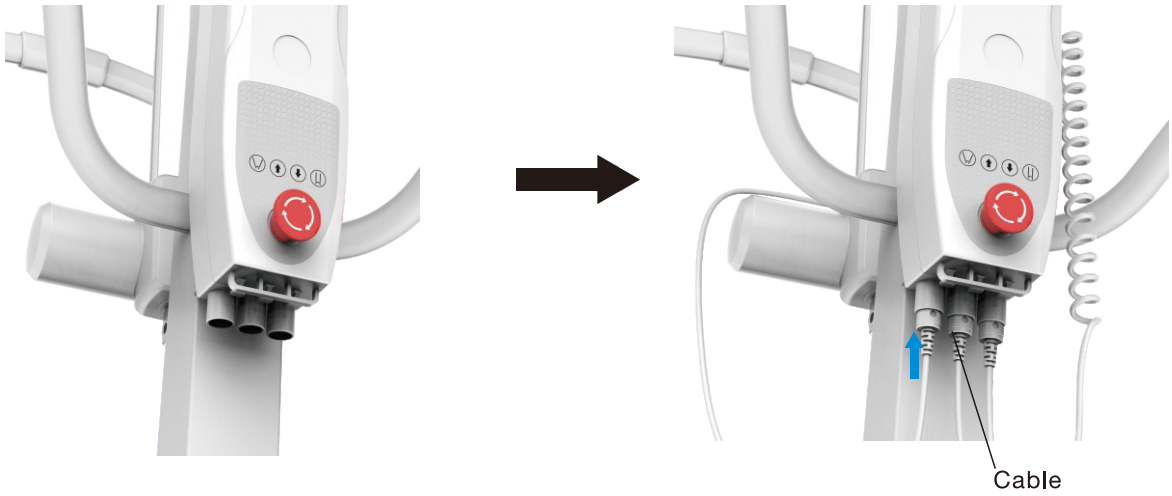
The display shows the charging status



Note:	The charger is not waterproof and washable, please use it in dry conditions.

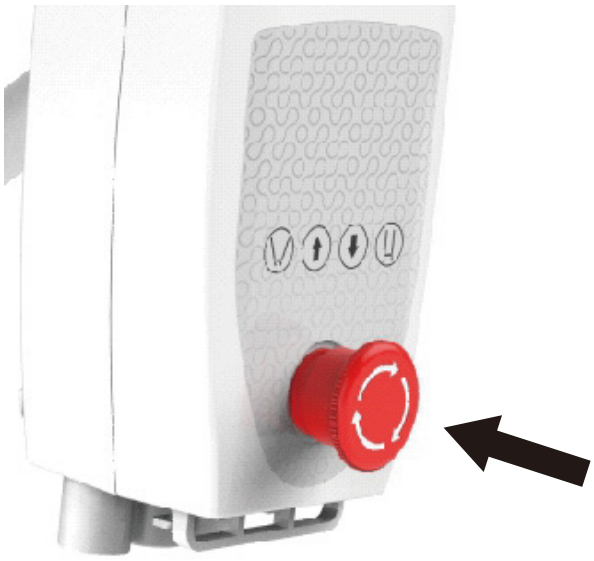
Pull-out protection and Cable Management

The control box JCB35K2-B uses Din connector, the cable can be inserted vertically upward.



Emergency Stop

1)After pressing the emergency stop button under any situation, the power of the system will be cut off and the actions will be stopped.
2)According to the arrow on the button, turn clockwise the emergency stop button, the control box will be powered on and it can be operated normally.



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Passed EMC tests. To ensure our products pass all kinds of tests domestic or abroad.

Communication protocol development

Aiming at different applications, develop more extensive functions for control system.

Professional customization

Powerful R&D strength, fully satisfy customers' needs. Development cycle is about 10 days, seizing more market opportunities

Intelligent Control of Bluetooth

Mobile phone as the remote, applying in home care. Market pioneer, Jiecang provides better choices

Wireless Communication

Controllers adopt high-frequency wireless system. It can avoid interference mixing with signal receivers, assisting in remote control over medical equipment.

Latest Weighing System

Designed for physiotherapy beds and medical care beds. Cantilever carrying weighing sensor, it is applicable to different bedsteads dispensing with any adjustment

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Notes for mounting and usage can be found in the corresponding mounting manual

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