JCB35K5 Control Box

JCB35K5 is a specially designed control box for patient lifts, supporting up to three actuators to assist caregivers in safely moving patients with limited mobility. The matching cable winding hook makes cable management more convenient, and the novel anti-pull structure makes plug anti-pulling easier.



Features

Main power:	2 12V/4.5Ah lead-acid batteries
Actuator interface:	Max 3 channels, 6-pin ET bending plug
Handset interface:	1 channel, 10-pin crystal bending plug
Standby power:	≤0.1W(When the emergency stop switch is not pressed)
Color:	Gray
Duty cycle:	10%-2/18minutes, 25°C
Net weight:	3.85kg
IP grade:	Max.IP66
Battery power display:	Simultaneously displayed on the handset and the lifter key panel
Emergency stop switch:	Cut off battery power in an emergency
Safety system:	M1 use single-channel over-current protection (M2/3 use another sing-channel over-current protection)
Flame retardant grade:	V0
Approval:	IEC60601-1 IEC60601-1-2 BY Air Certification for Safe Transport of Chemical Goods BY Sea Certification for Safe Transport of Chemical Goods

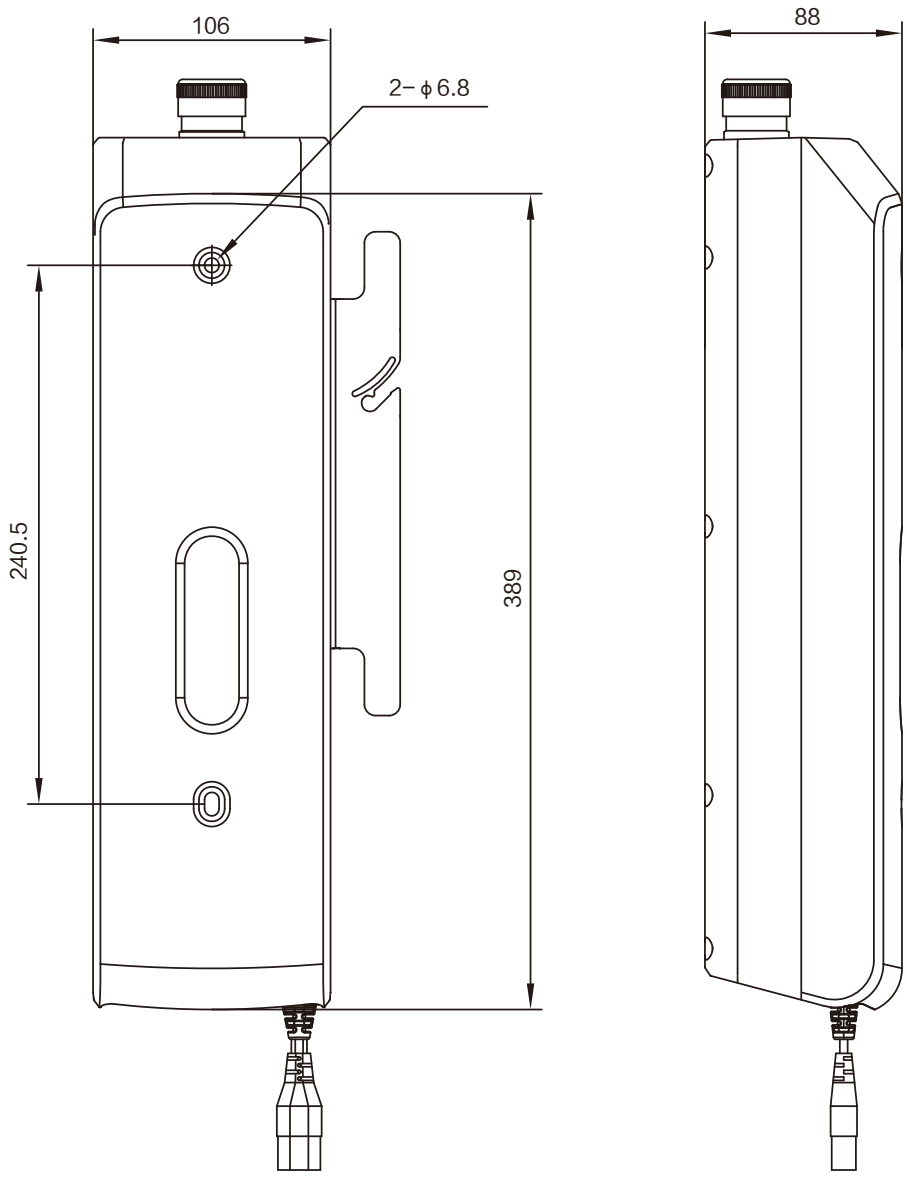
Special function

Safety functions:	Protection from overheating, over current. Low voltage alarm, battery maintenance, actuator maintenance reminder (flashing light, buzzer alarm)
Quick drop function:	When there is a need for emergency drop, it can be achieved by press the "quick drop button"
Wire winding hook:	Makes it more convenient to manage the wire

Usage

Supporting system:	M1 with JC35K1/JC35L12/JC35L28 small signal actuator; M2/3 with conventional actuator and JCH35V2、JCH35A10/A11 handset
Charging method:	Support AC/DC charging methods
Charging time:	About 8 hours
Operating temperature:	+5°C~+40°C
Charging temperature:	+5°C~+40°C The high temperature will affect the charging time
Storage temperature:	-10°C~+40°C (+10°C~+25°C recommended) The battery must be stored in a suitable storage room where is not exposed directly to sunlight
Relative humidity:	20% to 80% - non-condensing
Atmospheric pressure:	700 to 1060 hPa
Altitude:	Max. 3000m
Note:	(1) Charging during storage: After sea transportation, the battery needs to be charged in time for 8 hours because the temperature inside the container may be too high, and is not allowed to be left in container for more than 2 months, otherwise it will affect the service life of the battery. The battery must be charged at least once every 3 months (2) When there is water on the surface of the male and female plugs of the charging interface of the control box, it needs to be wiped to ensure that there is no water before connecting it for use (3) When stored, the control box is forbidden to let the button panel placed face down

Dimension Drawing

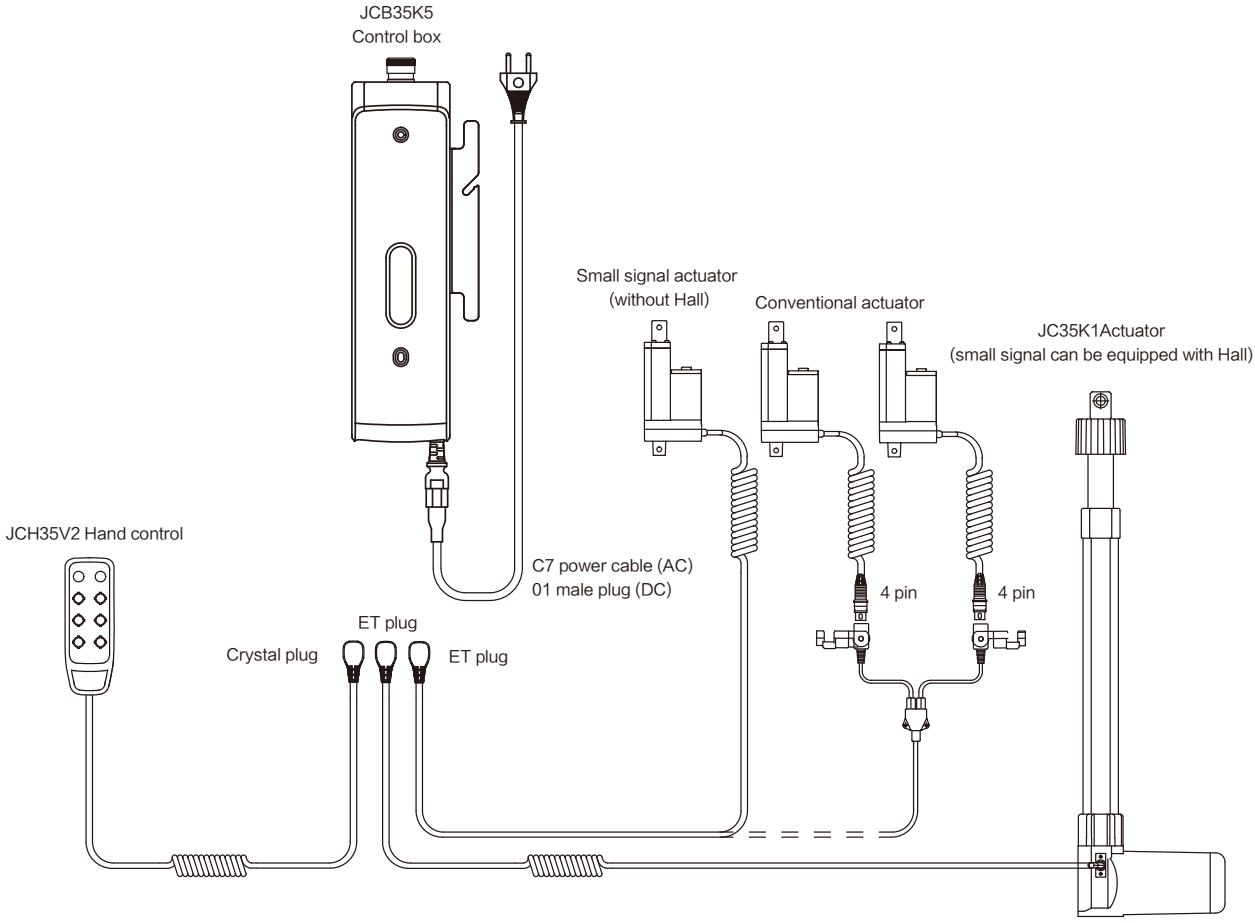


Ordering Example

Take **CB35K5M33GXXXXX4D500** for example

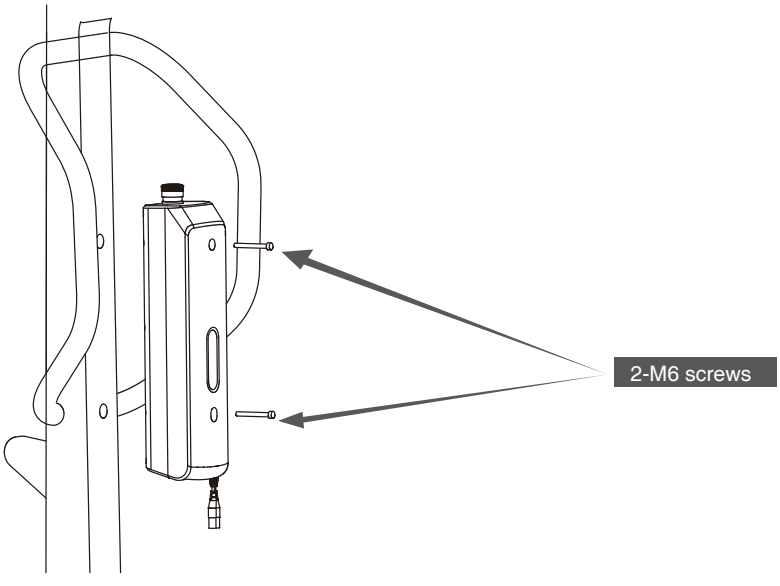
Model	**JCB35K5**	JCB35K5=K series control box
Extension features	**X**	A=With Battery / M=With chips / Y=Remote contro
Channel	**X**	3=3 channels
Input voltage	**X**	1=110VAC 2=220VAC or 230VAC or 240VAC 3=110VAC-240VAC 4=10-20VDC（include 20） 5=20-30VDC（include 30） 6=30-42VDC（include 42）
Color	**X**	G=Gray
PCB code	**XXXXX**	Specific code
Power or capacity	**XXX**	4D5=4.5Ah
Optional features 1	**X**	0=None
Optional features 2	**X**	0=None

JCB35K5 System Connection



Install

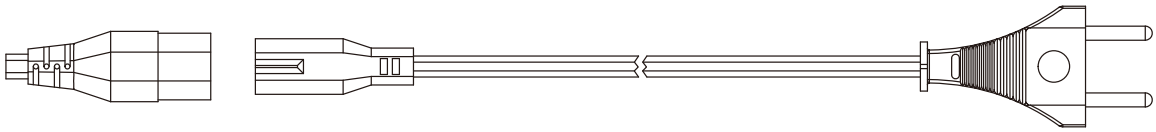
Simply attach the JCB35K5 directly to the lift with 2-M6 screws



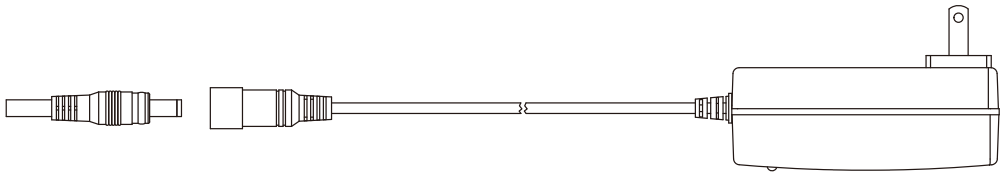
Charging method (AC/DC optional)

Power cord plug specifications are available (Chinese, European, British, American, Australian, Japanese). Please contact JIECANG for specific needs.

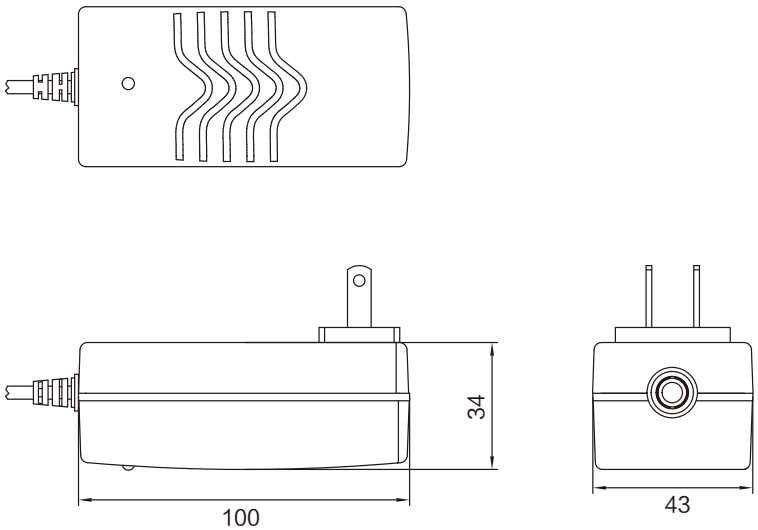
AC: male and female plug



DC: headphone plug, JCP35PA-40 adapter



JCP35PA-40 Adapter dimension drawing



Cable Management

Follow the instructions below to complete the installation



1. First insert the plug into the designated position as shown

2. Wire protector snapped into the right snap

3. After the wire protector is wrapped around the column,snap it into the left snap

JCB35K5 standard panel



Low configuration

Button: M1 up + down
Indicator light: power display

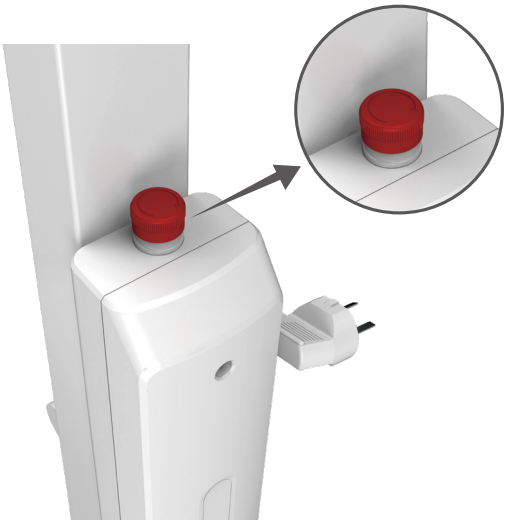


High configuration

Button: M1 up + down + fast down
Indicator light: power display + overload indication
+ battery maintenance reminder
+ actuator maintenance reminder

Emergency stop switch

In case of emergency, press the emergency stop switch to quickly cut off the power and stop all the movements. According to the arrow indication on the switch, rotate the emergency stop switch clockwise, the control box power is on and can be operated normally.



Strictly abiding by medical safety certifications

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