JCB35T6 Control box

Application field - Medical Line
preferably in the medical and nursing industries.



JIECANG control box JCB35T6 offers a range of advanced features. Equipped with 250W SMPS, JCB35T6 has excellent performances in compatibility in different systems of simple or intricate.
JCB35T6 outputs max 7 channels of actuators, 1 port for hand control as well 1 port for back-up battery.
JCB35T6 cut off the motor power directly through the signal switch rather than the power switch from the motor itself. This is a good way to prolong the products service life.

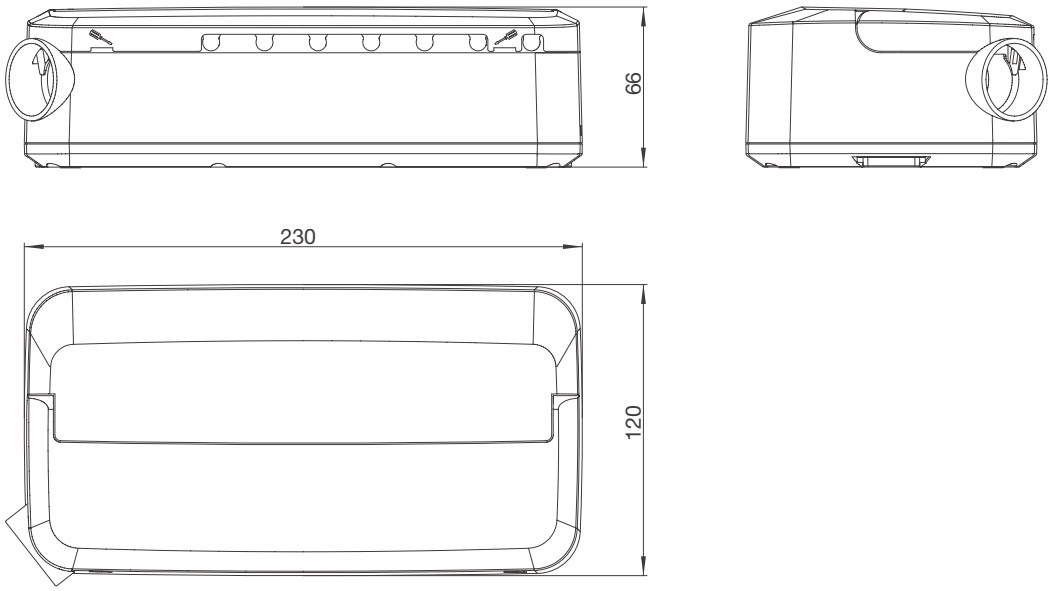
General Features

Power:	Input 100-240VAC, 50/60 Hz
Output Powe:	Max. 250w @ 2min on/18min off
Power Indicator:	Yes
Actuator Port:	Max.5 channels,6 Pin Mini-Fit elbow connector
Hand Control Port:	1 channel, 10 Pin RJ elbow connector
Battery Interface:	1 channel, 4 Pin Mini-Fit elbow connector
Standby Power Consumption:	Max. 1w (230v)
Colour:	Black / Gray
Control Concept:	H-bridge, the service life exceeds 20000cycles (No relay noise)
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. Off (continuous working for 120 seconds with 180w at 25°C)
Weight:	0.8kg
Protection Class:	Max. IPX6
Maximum Current:	Total 16A for all channels
Power Management:	Yes. Ensuring max. power operation and limit max. output power
Safety Protection:	SMPS overheat protection/ overload protection/ short-circuit protection
Installation:	By screws on slide-on brackets/ by special mounting brackets to several actuators
Approval:	IEC60601-1 edition 3.1 | EMC IEC60601-1-2 AN SI/AAM ES60601-1:2005/(R)2012 | CSA CAN/CSA-C22.2 NO. 60601-1:14

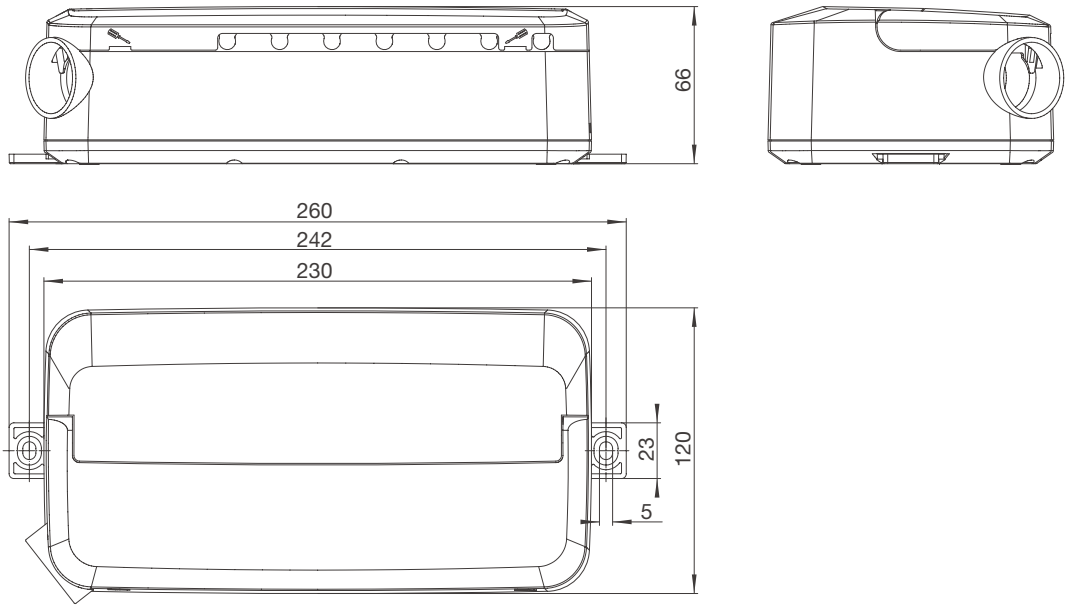
Usage

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



Dimensions when slide-on bracket fully extends

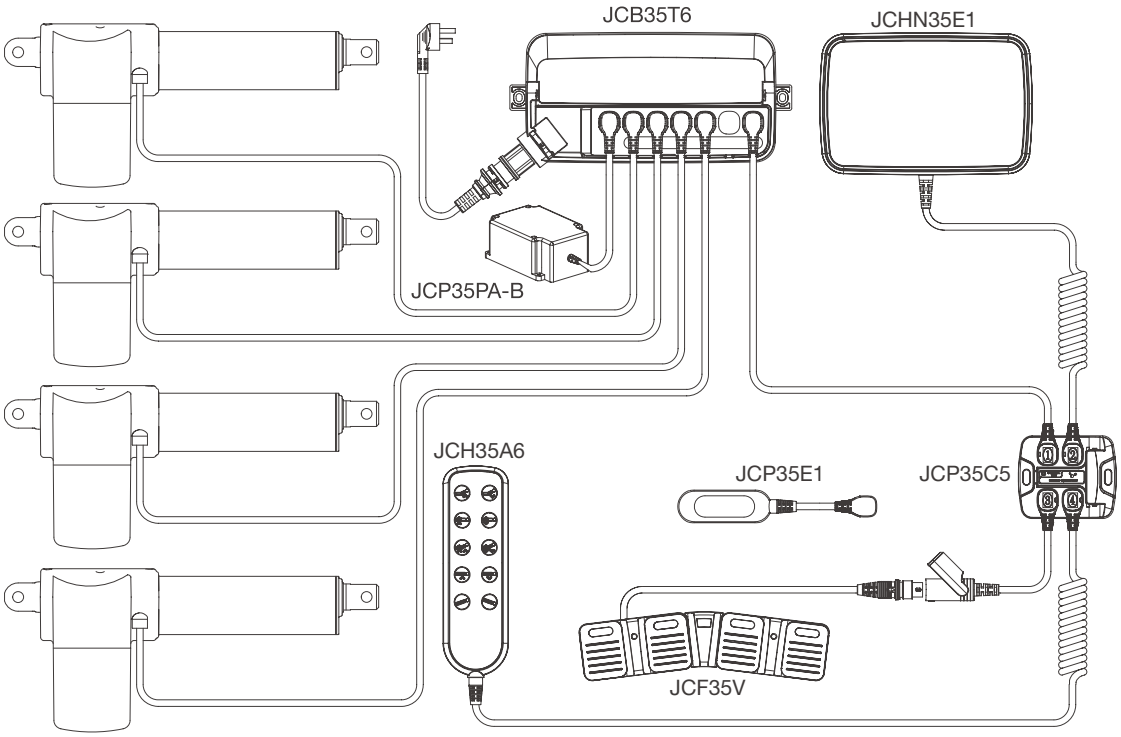


Ordering Examples

Take **JCB35T6AM43GT0042250170** as an example

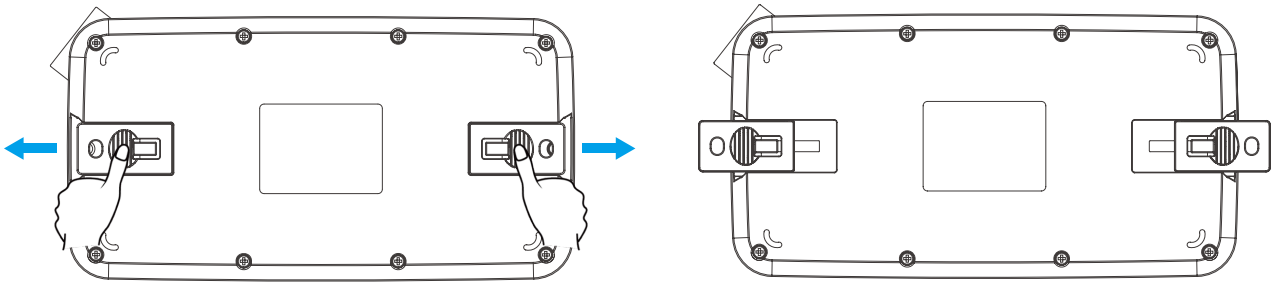
Model	**JCB35T6**	
Extension features	**X**	A = With battery function / M = With microchip
Actuator channel	**X**	1 = one channel / 2 = two channels / 3 = three channels 4 = four channels / 5 = five channels
Input voltage	**X**	3 = 110VAC-240VAC
Colour	**X**	G = Gray / B = Black
PCB code	**XXXXX**	Q0042= Specific code
Rated power	**XXX**	250 = 250W
Optional features	**XX**	17 = Class A

Diagram-system overview

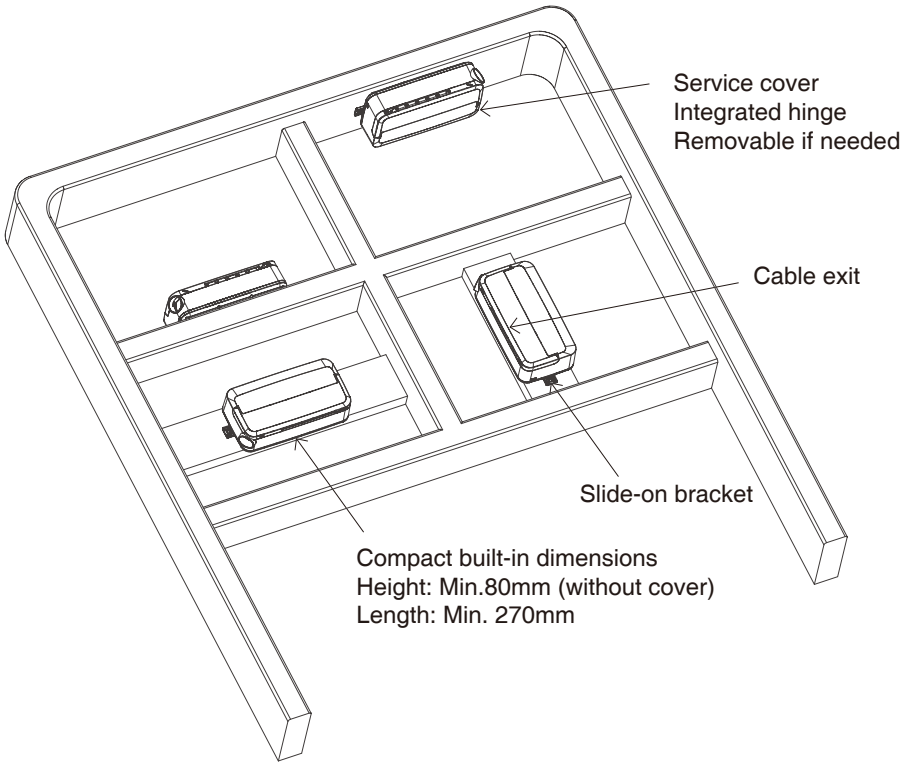


Installation

Usage: Horizontally push the slide-on bracket until the mounting screw holes are available. Please refer to the below illustration.



Installing JCB35T6 to the frame

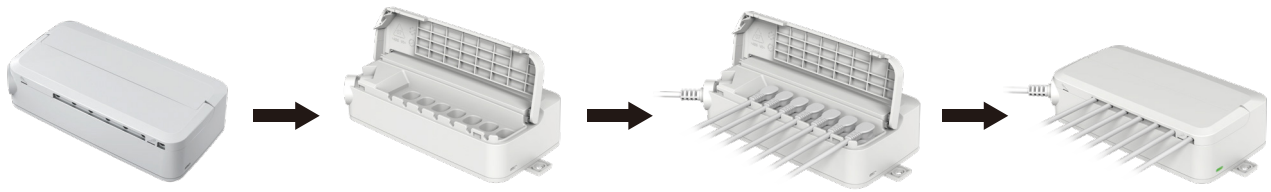


It is recommended to install the JCB35T6 where the water can be drained.
Suggested screw installation torque: 0.6Nm +/-0.1
JCB35T6 can be installed to the bed frame or any other applications according to one of the following installation instructions:
1) M5 screw+ M5 screw nut. Place M5 screw nut on the screw holes on the slide-on bracket, and fix it with M5 screws.
2) Fix the slide-on bracket with M5 screws + flat washer+ screw nut.
3) Fix the slide-on bracket to the frame with tapping screws.

Pull-out Protection and Cable Management

Linear actuator cable locking

JCB35T6 has a uniquely designed cable cover. When it is closed, it acts as an integrated actuator lock.
1. Connect the actuator with the control box
2. Close the cable cover until it snaps into place.(please refer to the below illustration)
To facilitate the maintenance, the cover can stay in a fixed position when it is fully opened.



LED indication

JCB35T6 has a green LED power indicator.
When JCB35T6 is successfully connected to the power, the LED indicator is on.



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

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