

JCB35T2 Controller

Application field - Medical Line

Preferably in hospital and nursing industries.

JCB35T2 is equipped with globally applicable and optimized SMPS (switching power supply), and this control box could linked with one handset, four actuators ,link with battery and night light. JCB35T2 has an elegant appearance and compact design.

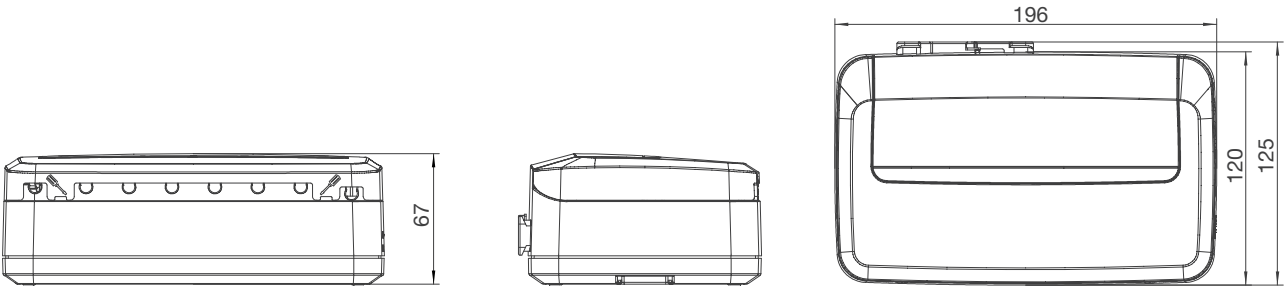
The fixed slider of the lower shell can be locked to the platform by screws, and it can also be fixed to various types of actuators by special plug-in connectors.



General Features

Power:	Input_100-240VAC, 50/60 Hz; The output power is 72W in the rated state, and the output power is 180W in the working mode
Power point light:	Yes
Actuator plug:	Max. 4channels, 6-pin ET bend plug
Handset plug:	1 channel, 10-pin crystal bend insert
Battery plug:	1 channel, 4-pin ET bend plug (output 30uA- when push rod does not operate)
Standby power:	Max. 1W (230V)
Colour:	Grey
Control method:	H-bridge, the service life exceeds 20000 cycles (No relay noise)
Duty cycle:	2/18min @ 25°C; on/off continuous use (180W at 25°C for 120 seconds)
Weight:	0.8kg
Compatibility:	Signal switches (for signal switches)
Battery management:	battery power can be turned off at low voltage, battery internal charge and discharge management
Max IP grade:	IPX6
Operation:	Synchronous drive (no feedback)
Maximum current:	Total 10A for all channels
Power management:	voltage management can ensure maximum power operation and limit output maximum power
Safety system:	Switching power supply thermal protection / Overheat protection
Position:	Compatible with actuators equipped with special mounting brackets; bed frame (via screws, sliding brackets)
Cable cover:	All ports have
Standards:	IEC60601-1 edition 3.1 EMC: IEC60601-1-2 ANSI/AAMI ES60601-1:2005/(R) 2012 CSA CAN/CSA-C22.2 NO. 60601-1:14

Dimension Drawing

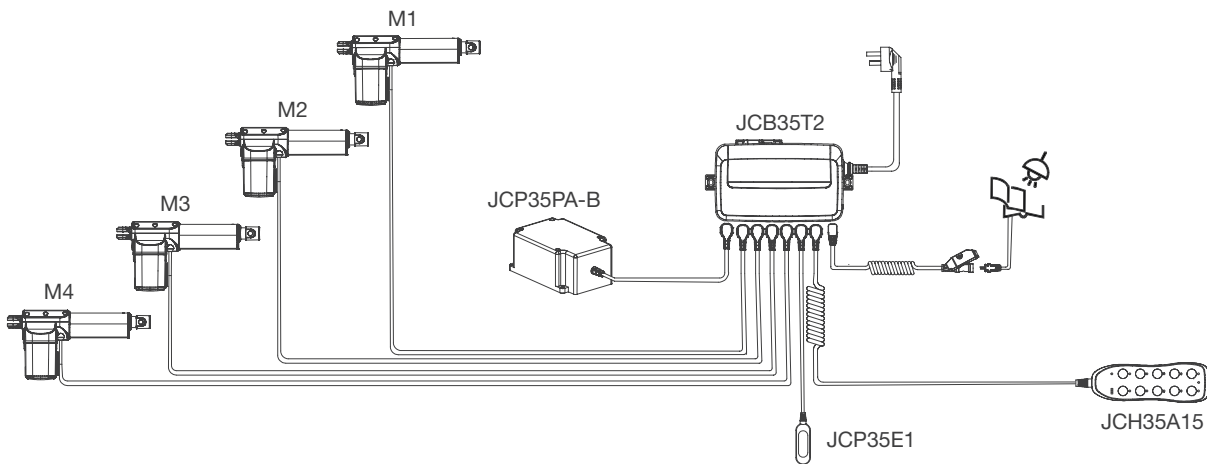


Ordering Key

Take **JCB35T2AM43GT0033720809** for example

Model	JCB35T2	
Extension function	A	A = With batter / M = With chips
Actuator amount	4	1 = 1 Channel / 2 = 2 Channel / 3 = 3 Channel / 4 = 4 Channel
Input voltage	3	3 = 110VAC-240VAC
Color	G	G = Gray
PCB board	T0033	T0033 = Specific code
Power or capacity	72	72 = 72W
Optional function	08	0 = Standard / 08 = Could link night / 09 = Could link battery

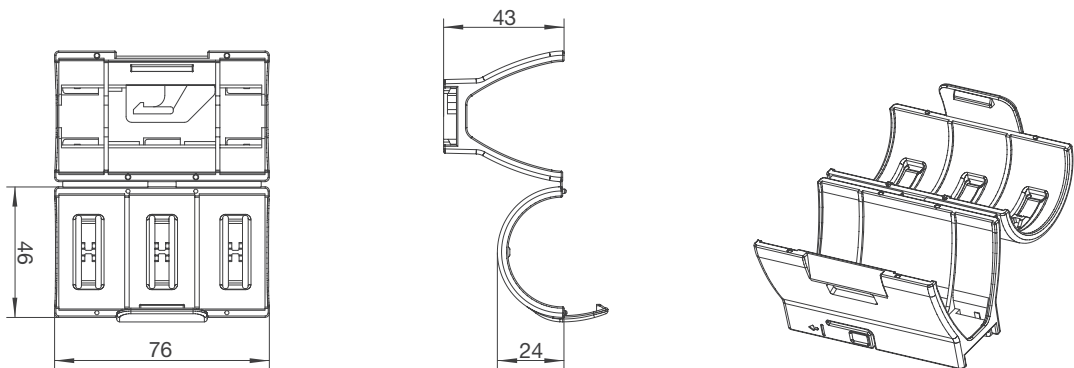
Platform - system overview



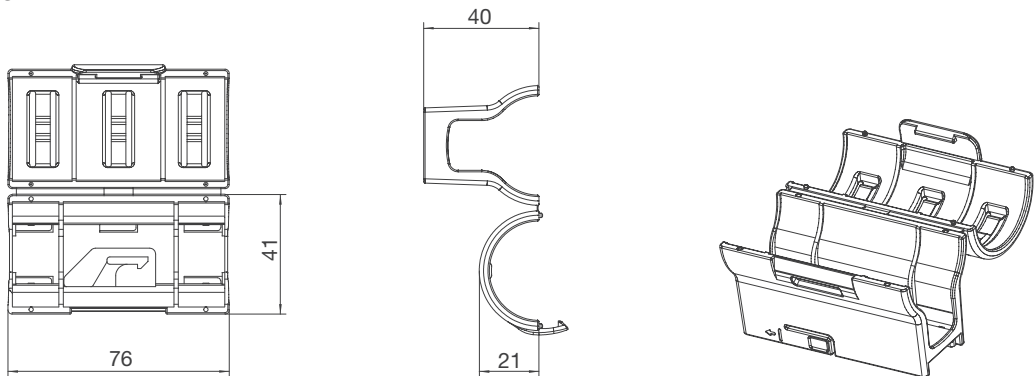
Install

Mounting brackets

Matched JC35L3/JC35L9/JC35L10

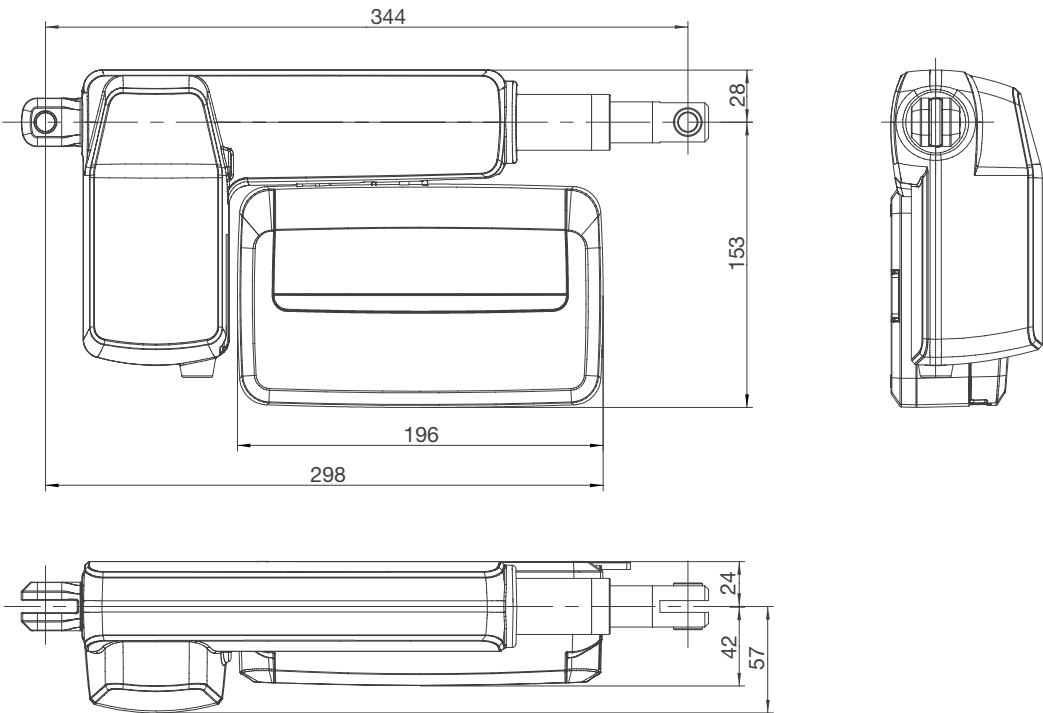


Matched JC35D4

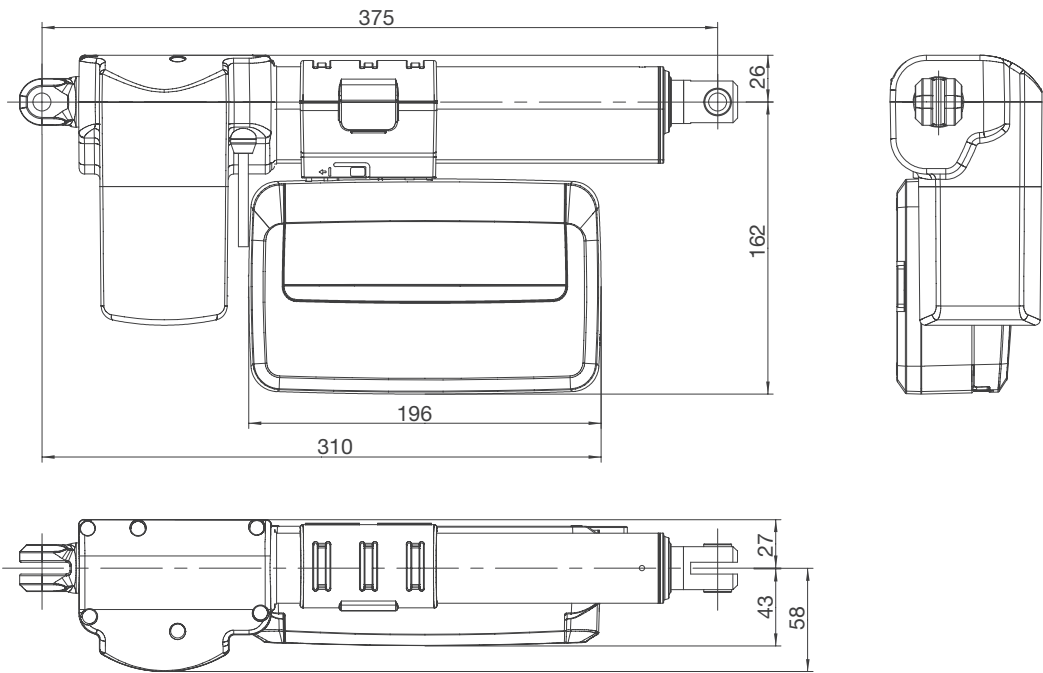


Dimensions JCB35T2 with linear actuators

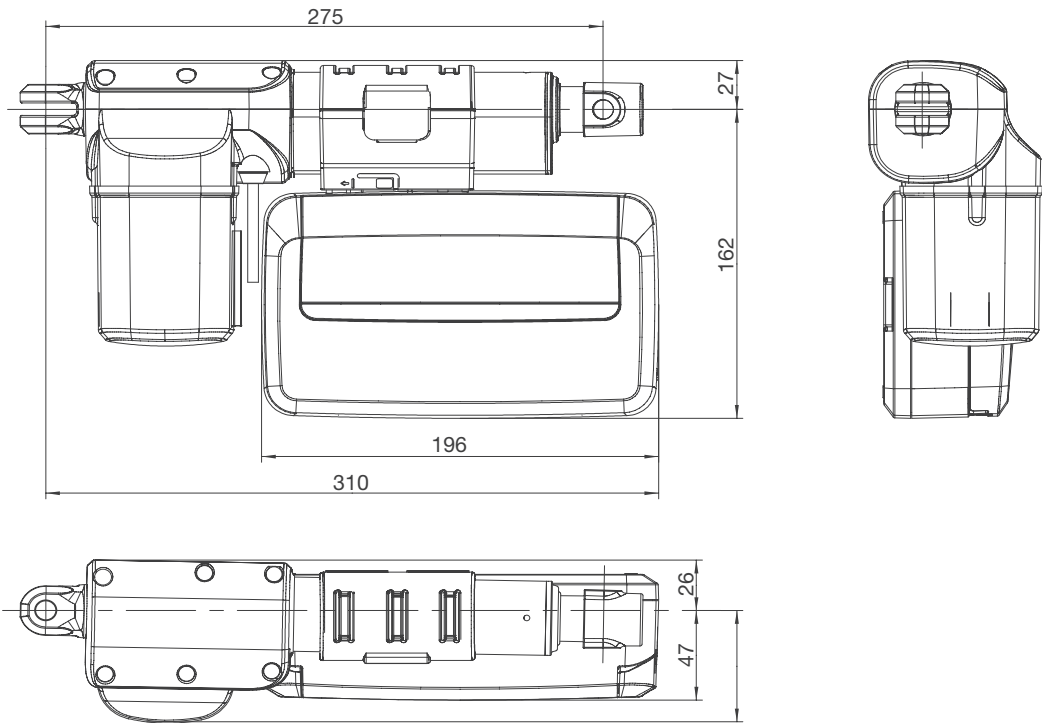
Install on JC35B8 actuator



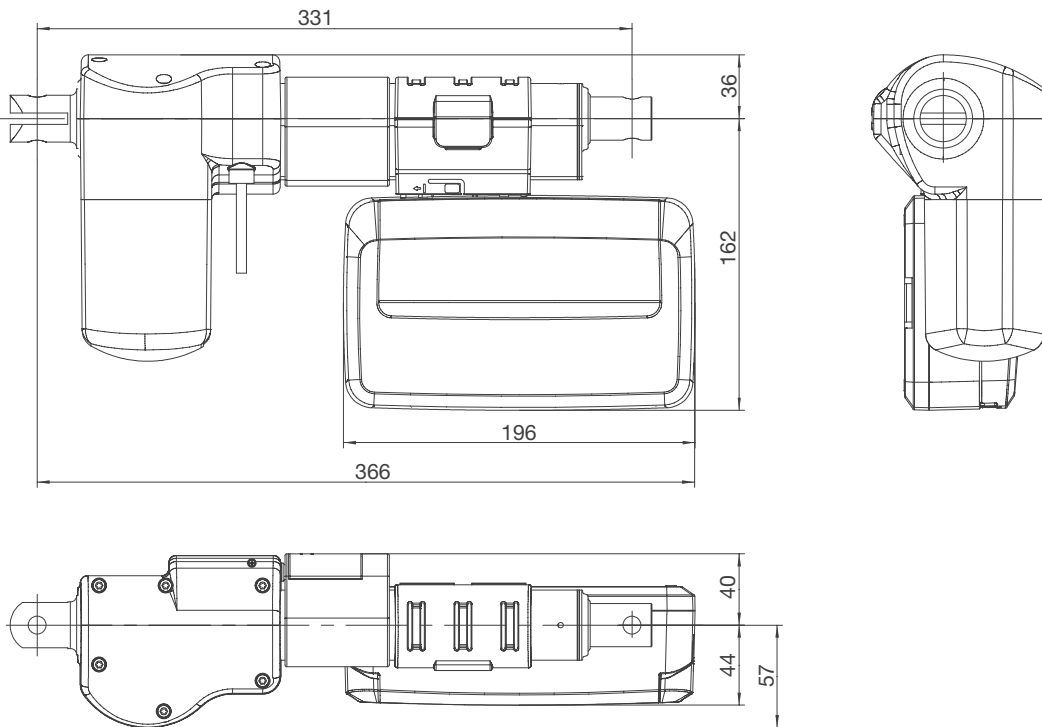
Install on JC35L3 actuator



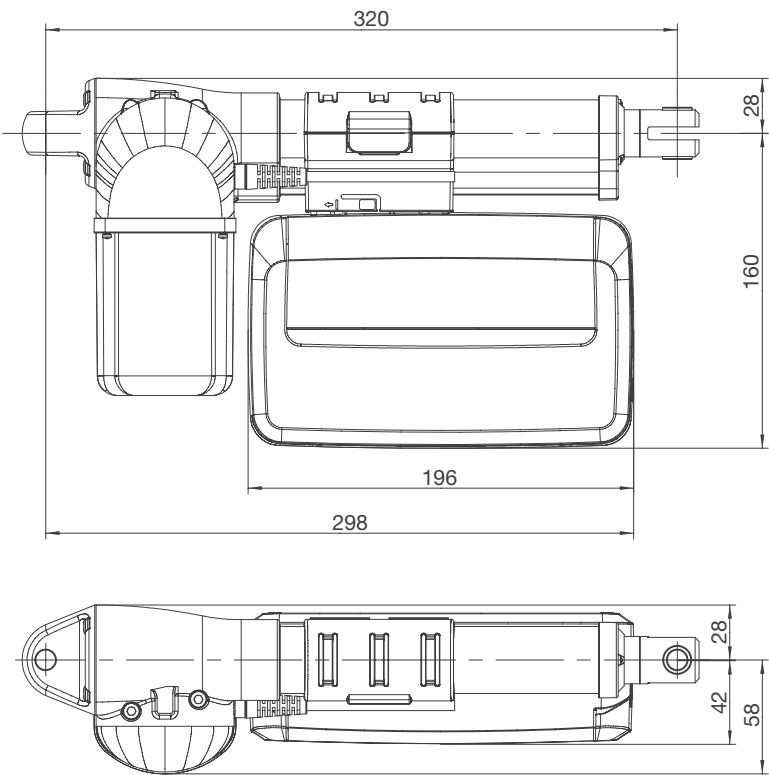
Install on JC35L9 actuator



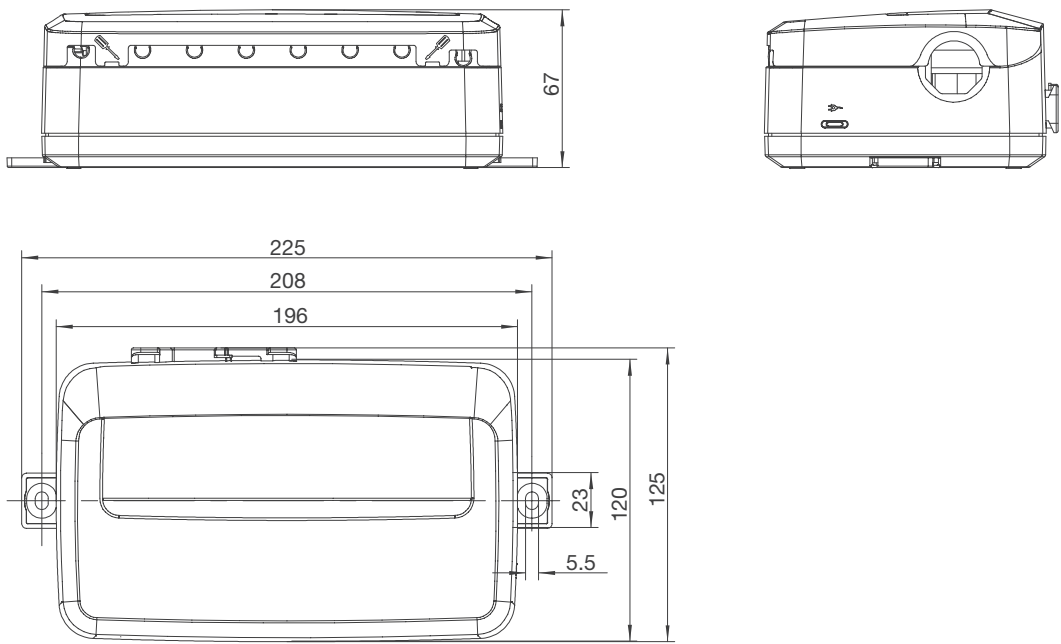
Install on JC35L10 actuator



Install on JC35D4 actuator

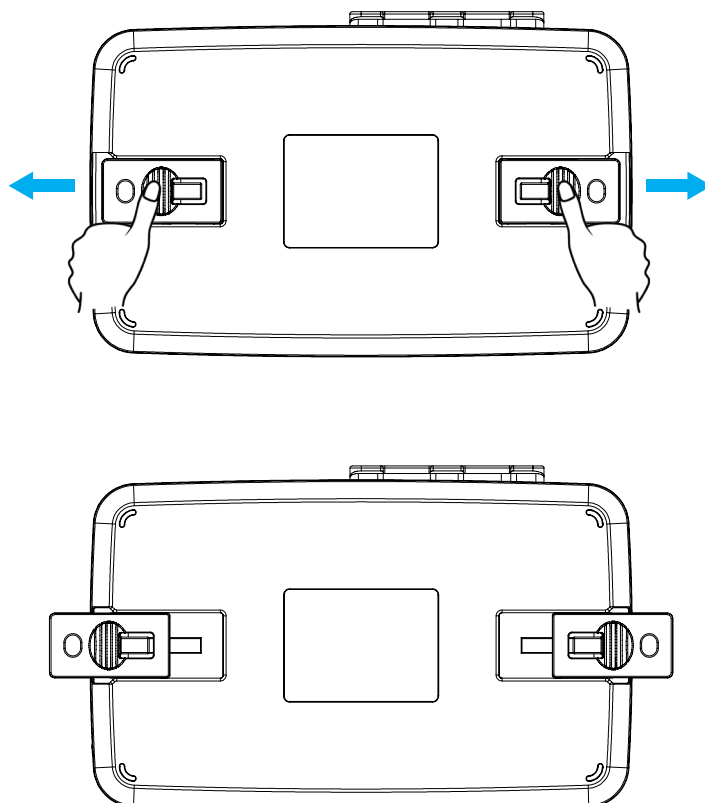


Installation dimension

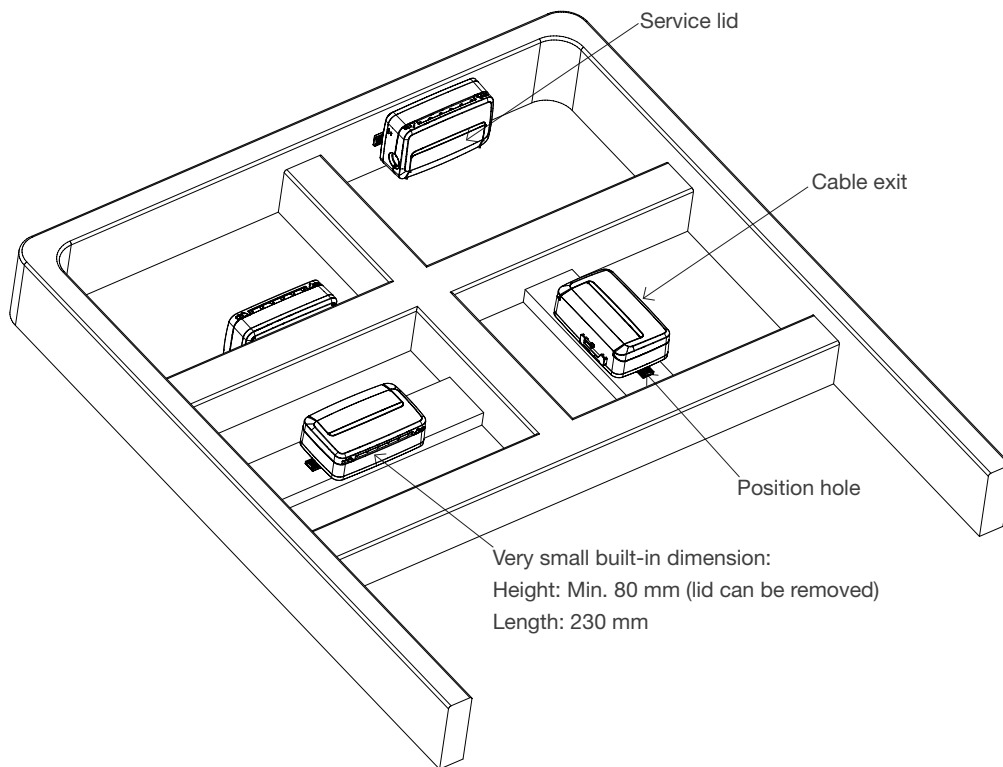


Usage

Place your thumb in the groove of the arrow in the installation slide block diagram, and push it horizontally until the limit stops, as shown in the following figure, so that the installation slide block exposes the fixed hole.



JCB35T2 is installed on the frame



It is recommended to install JCB35T2 where it can drain water.

Suggested torque: 0.6Nm +/-0.1

The controller can be installed on the bed frame or any other application according to one of the following installation procedures:

- 1) Place the M5 nut on the exposed hole of the mounting block, and fix the mounting block with M5 bolts from the rear side.
- 2) Fix the mounting slide with M5 machine screws with flat washers (install a nut on the back of the mounting slide)
- 3) Fix the mounting slider to the frame with self-tapping screws

Cable locking and management

Linear actuator cable locking

The control box JCB35T2 has a uniquely designed cable cover. When the cable cover is closed, it acts as an integrated actuator lock.

1. Install the cable plug into the control box
2. Close the cable cover until it snaps into place (see the arrow)

In order to allow maintenance person to have free access to the cables, the cover can stay in a fixed position when it is fully opened.



LED indication

JCB35T2 has a green LED power indicator.
When JCB35T2 is successfully connected to the main
(power Show green);
In other cases, the LED is off.



Conditions of use

The user must determine the suitability of Jiecang products under specific conditions. Jiecang is committed to providing accurate latest product information. However, due to Jiecang continuous improvement of its products, Jiecang products may not be notified in advance with frequently changes . Therefore, Jiecang cannot guarantee the correctness and authenticity of the product information. Although Jiecang will do our best to meet the order requirements, but for the above reasons, Jiecang cannot guarantee the deliver ability of any specific product. Therefore, Jiecang reserves the right to stop selling any products listed on the website or product catalog or other Jiecang written materials. All sales activities must be carried out in accordance with the requirements of the Jiecang Sales and Delivery Standard Terms. For copies of related documents, please contact Jiechang.



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



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