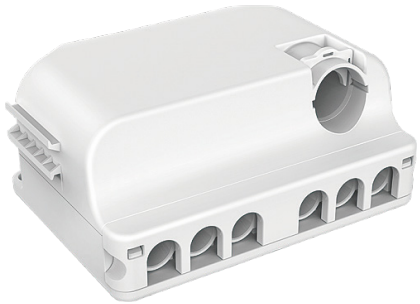
JCB35T Control box

Application field - Medical Line &Care Line preferably in in the hospital and nursing beds

As the first T series control box,JCB35T is mainly used in the medical and nursing beds. JCB35T is equipped with suitable and optimized SMPS(switching mode power supply)worldwide, It is available for following specifications for flexibility:
JCB35T-0(A)-1; JCB35T-0(A)-2; JCB35T-0(A)-3; JCB35T-0(A)-4; JCB35T-0-5.
JCB35T has an elegant and compact design. The sliding block can be locked to the platform by screws,or can be fixed to several actuators by special mounting brackets.



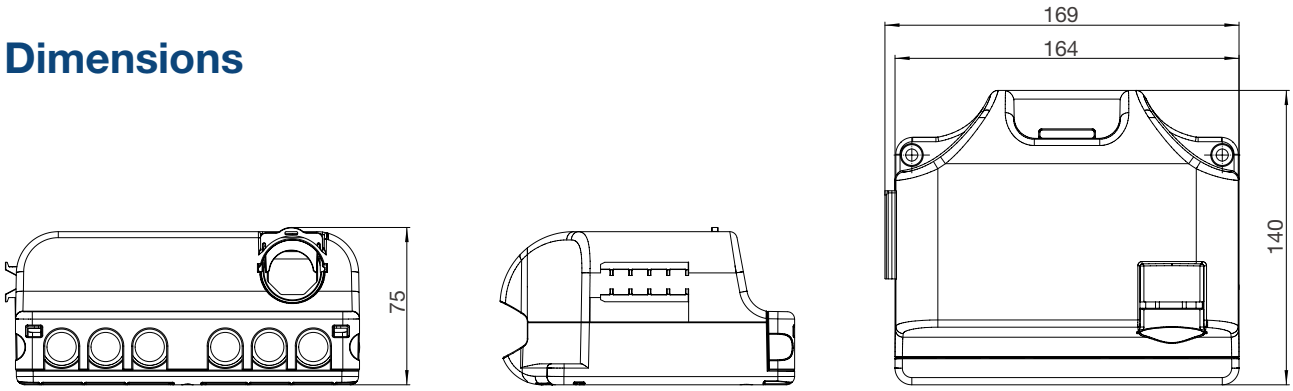
General Features

Power:	Input 100-240VAC ,50/60HZ; Rated output 58W and 180W under working mode
Power Indicator:	Yes
Actuator Port:	Max.4channels, 4 Pin Din connector
Hand Control Port:	1 channel, 8 Pin Din connector
Battery Port:	1 channel, 6 Pin Din connector (when actuator doesn't work -output 1mA)
Standby Power Consumption:	Max. 1W (230V)
Colour:	Gray
Control Concept:	Relay, the life-time exceeds 20,000cycles
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off (180W at 25°C for 120 seconds)
Weight:	0.6kg
Compatibility:	General actuators or columns with limit switch
Battery Management:	The power supply of the battery can be cut off at low voltage, and there is charge and discharge management inside the battery
Protection Class:	Max. IPX6
Maximum Current:	Total 10A for all channels
Power Management:	Yes. Ensuring max. power operation and limit max. output power.
Safety Protection:	SMPS overheat protection / Overheat protection
Installation:	With actuators via special mounting brackets; bed frame via screws
Pull-out Protection:	Yes
Approval:	IEC60601-1 edition3.1 | EMC: IEC60601-1-2 AN SI/AA MIES60601-1:2005/(R)2012 | CSA CAN/CSA-C22.2NO. 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

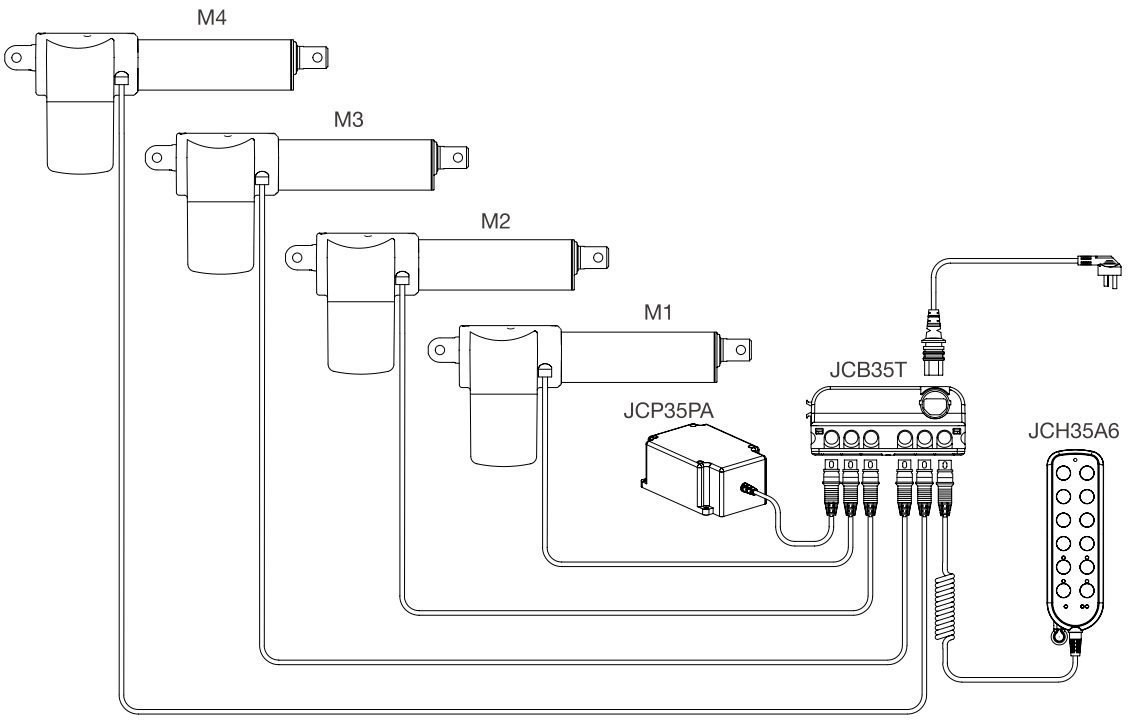


Ordering Key

Take **JCB35TA43GT0050100017** as an example

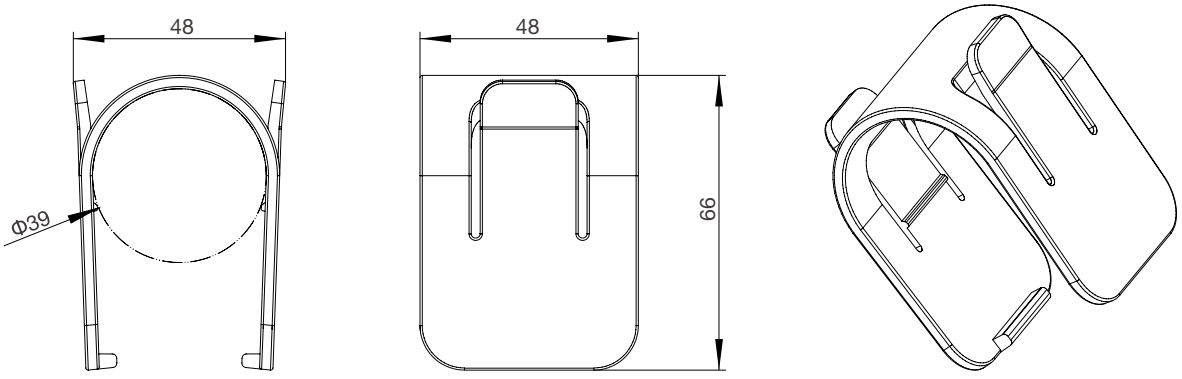
Model	**JCB35T**	
Extension features	**X**	0 = Standard / A = With battery function
Actuator channel	**X**	1 = 1 Channel / 2 = 2 Channels / 3 = 3 Channels / 4 = 4 Channels
Input voltage	**X**	3 = 110VAC-240VAC
Colour	**X**	G = Gray
PCB code	**XX**	T0010 = Specific code
Rated power	**XX**	50 = 50W / 100 = 100W
Optional features	**XX**	0 = Standard / 03 = With earth wire 14 =with additional cable out for emergency stop 17= classI

Diagram-system overview



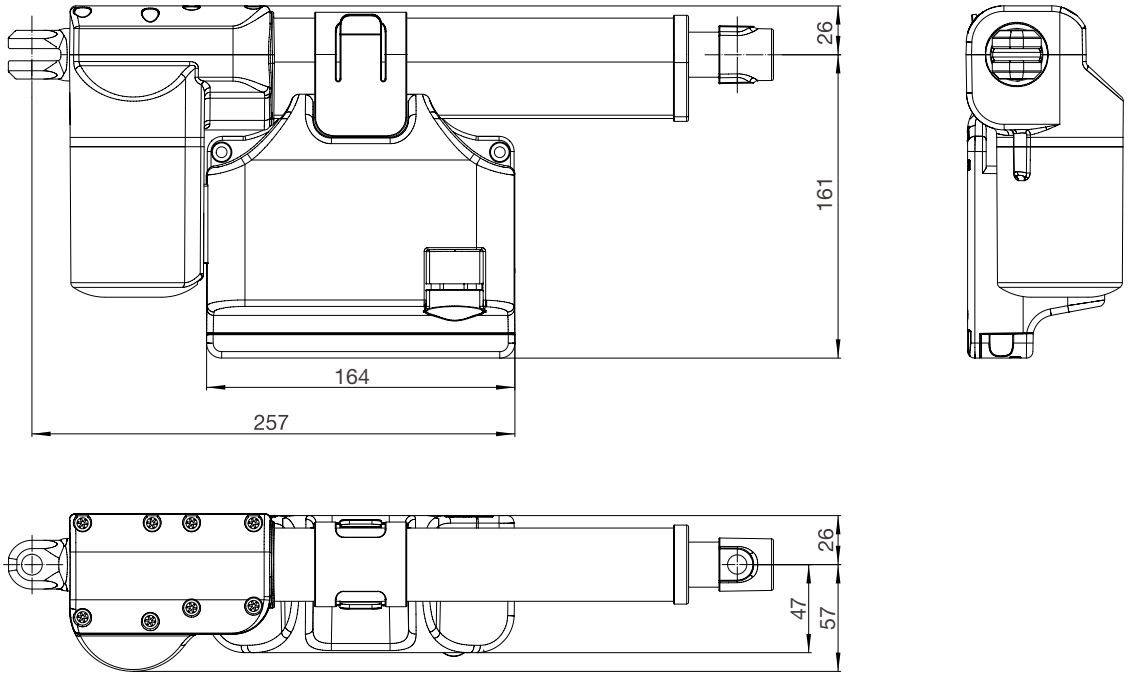
Installation

Mounting brackets

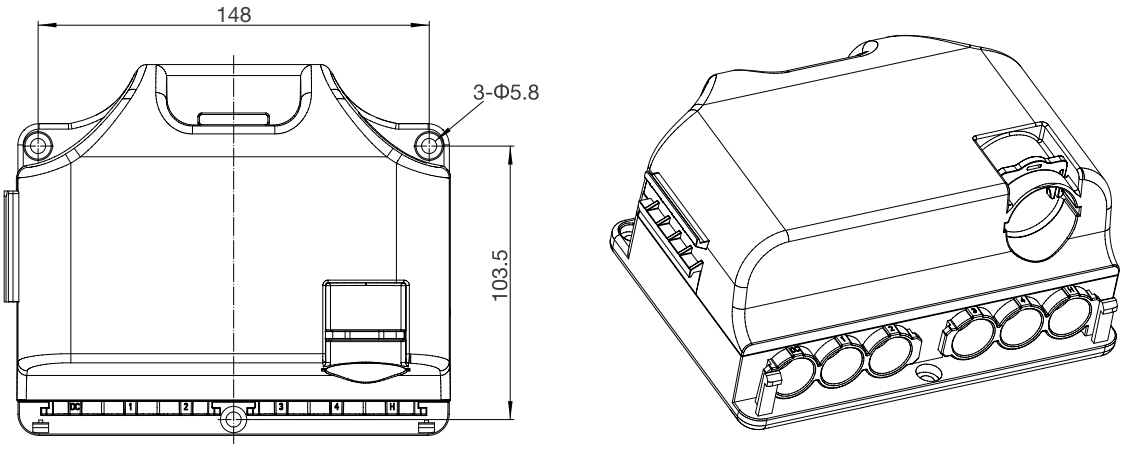


Dimensions of JCB35T with linear actuators

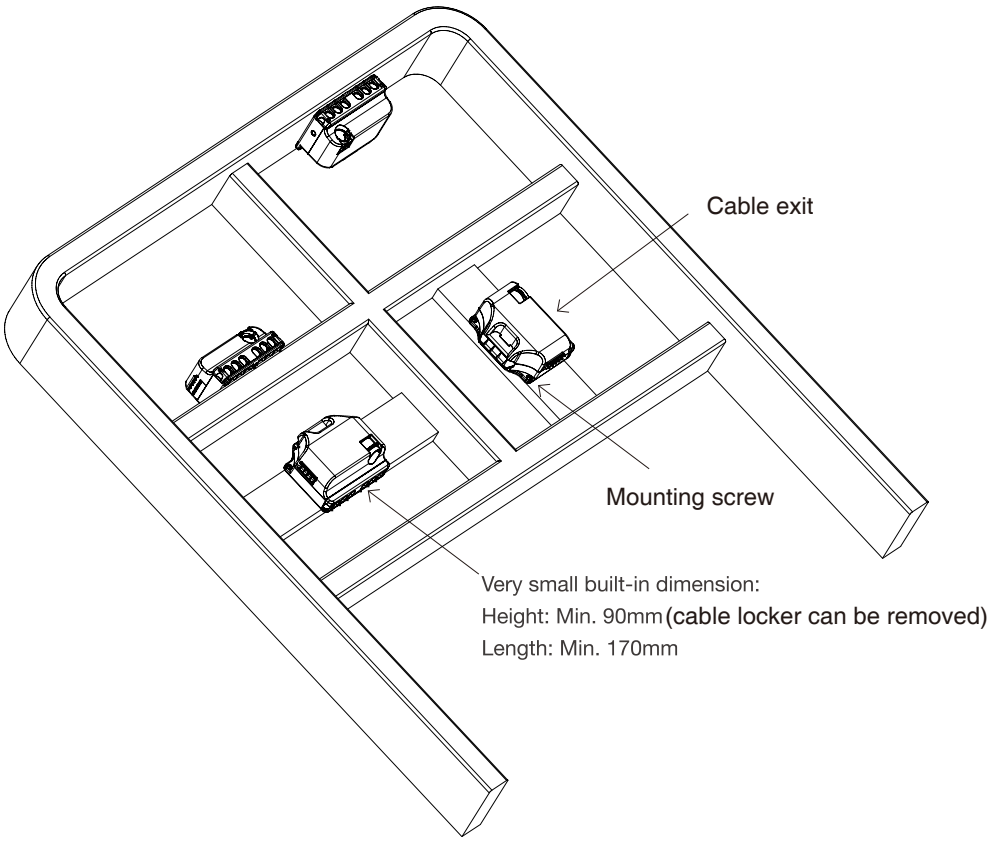
JCB35T installing with actuator JC35L29



Installation dimension



Installing JCB35T to the frame



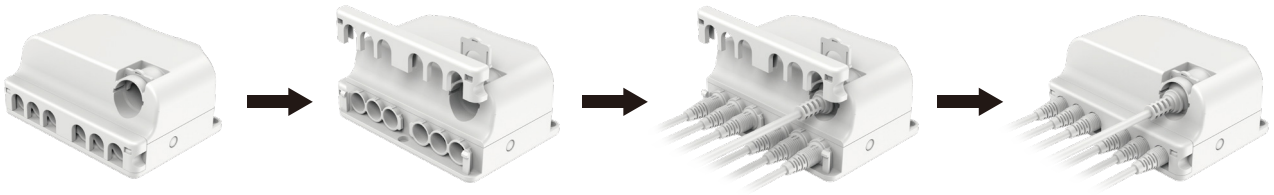
It is recommended to install the JCB35T where the water can be drained.
Suggested screw installation torque: 0.6Nm +/-0.1
JCB35T can be installed to the bed frame or any other applications according to one of the following installation instructions:
1) M5 screw+ M5 screw nut. Place M5 screw nut on the 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

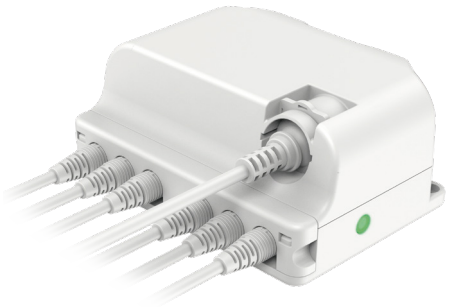
The control box JCB35T has a uniquely designed cable cover. When it is equipped, it acts as an integrated actuator cable lock.

1. Connect the actuator with the control box
2. Equipping the cable cover until it snaps into place.(please refer to the below illustration)



LED indication

JCB35T has a green LED power indicator.
When JCB35T 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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