JCB35Q Control box

Application field - Medical Line &Care Line preferably in medical equipment and rehabilitation



JCB35Q has a compact and elegant design, it is widely used to demanding medical or rehab equipment where space is important. And JCB35Q are available for 2 installation ways: with several actuators via special mounting bracket or to frame via screws.
Exchangeable power cables, Electronic overload protection, SMPS (switching mode power supply)power supply, optional power make JCB35Q a good choice for worldwide usages.

General Features

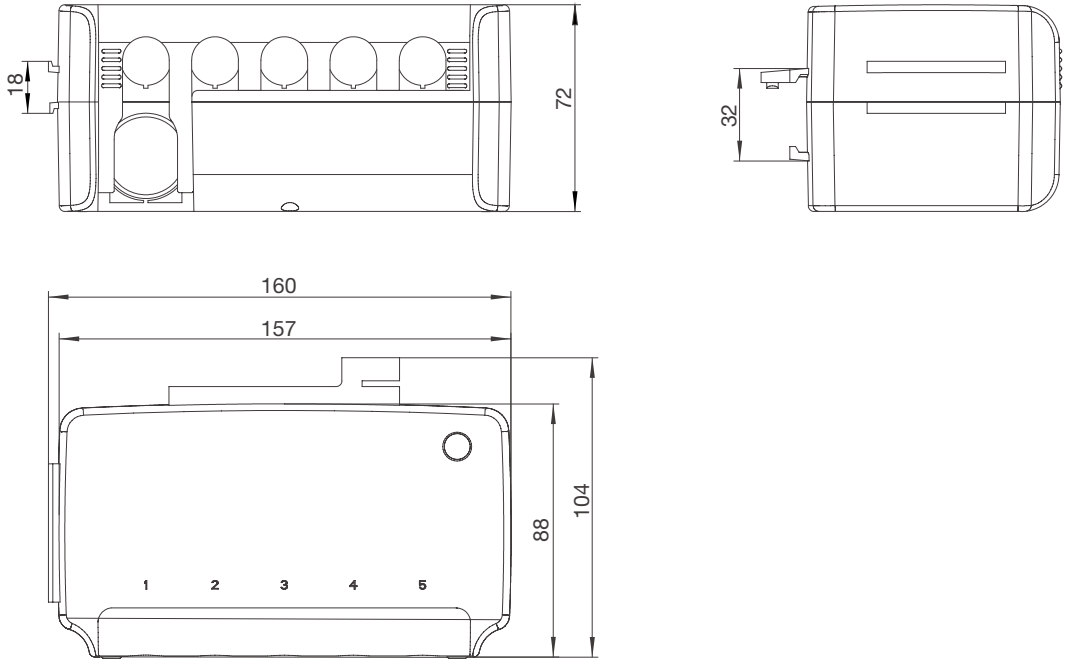
Power:	Input 100-240VAC, 50/60 Hz
SMPS Power:	50W / 100W
Power Indicator:	Yes
Actuator Port:	Max. 4 channels, 4 or 5 Pin Din connector
Hand Control Port:	1 channels, 8 Pin Din connector
Battery Port:	1 channel, 6 Pin Din connector (output 30uA - actuator does not work)
Standby Power Consumption:	Maximum 1W (230V)
Colour:	Black/Gray
Control Concept:	Relay, the service life exceeds 20000 cycles
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off
Weight:	0.6kg
Actuator 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
Safety Protection:	SMPS overheat protection / Over-current protection
Installation:	With actuators via special mounting brackets; bed frame via screws
Pull-out Protection:	Yes
Approval:	IEC 60950-1/KC60950-1 KN32 KN35 IEC/EN60601-1-2 ANSI/AAMI ES60601-1 CSA CAN/CSA-C22.2 NO. 60601-1:14

Usage

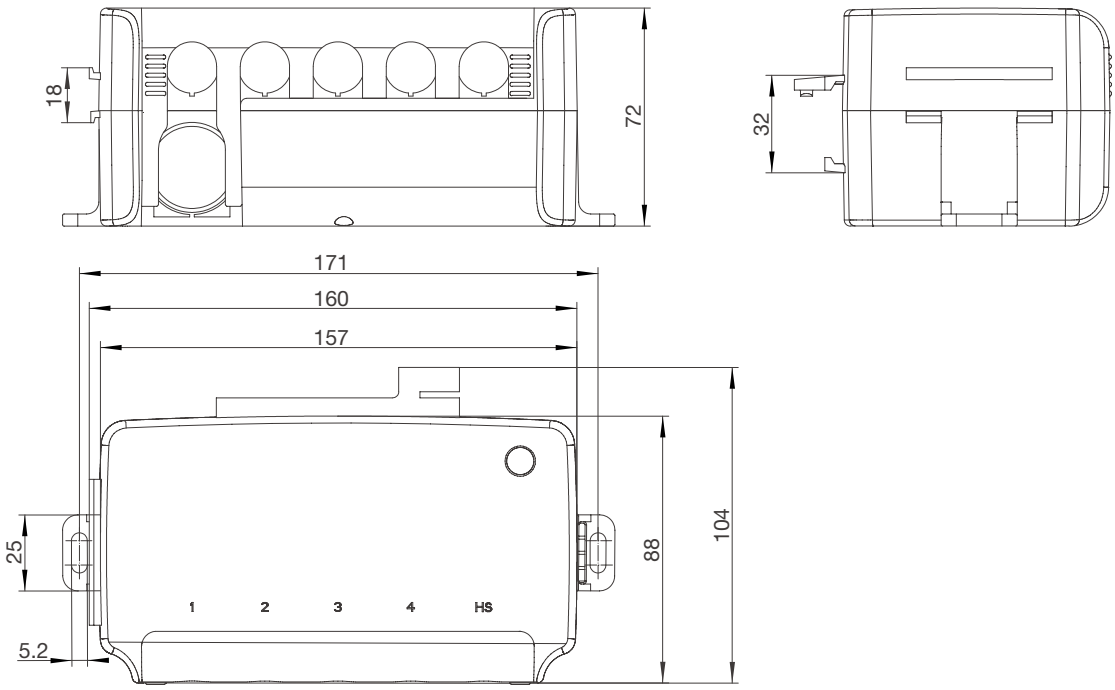
Operating Temperature:	+5 °C to +40°C
Storage Temperature:	-10°C to +50°C
Relative Humidity:	20% - 80% under 30°C , non condensing
Atmospheric Pressure:	700 to 1060 hPa
Altitude:	Max. 3000m

Dimensions

General



Installation type

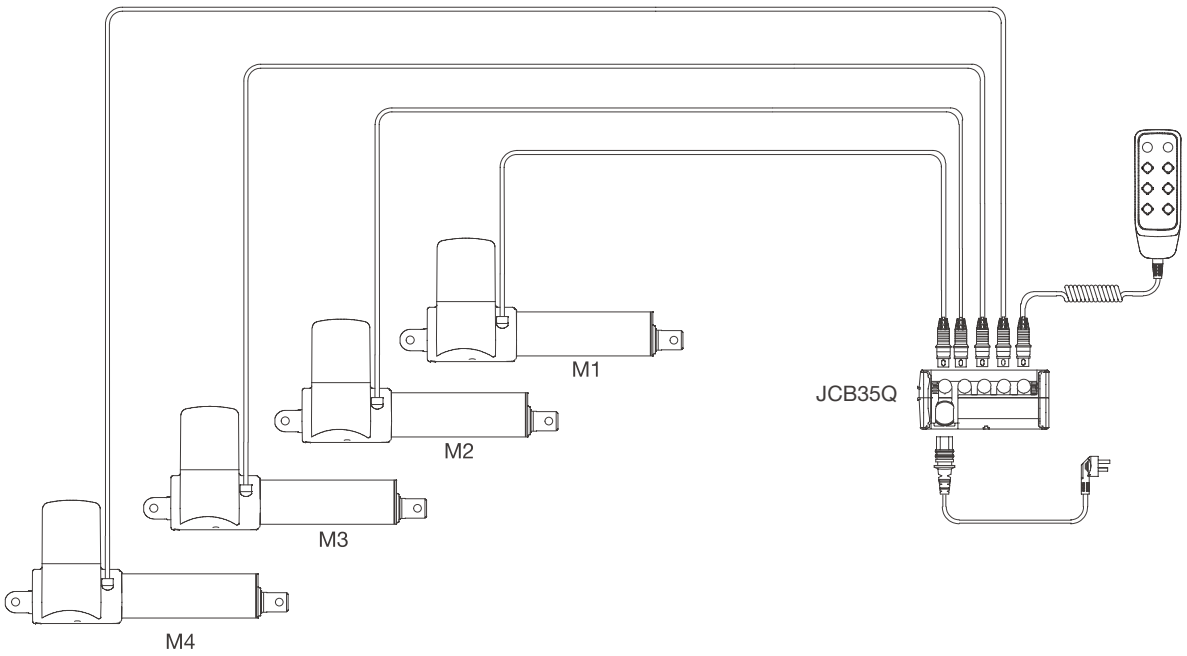


Ordering Key

Take **JCB35Q043GQ0046100030** as an example

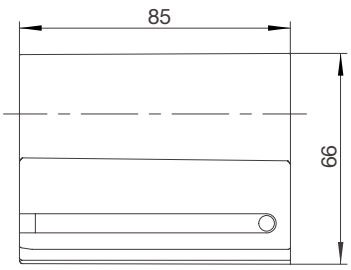
Model	**JCB35Q**	
Extension features	**X**	0 = Standard / A = With batter function / M = With microchip / Y = Remote control
Actuator channel	**X**	1 = 1 channel / 2 = 2 channels / 3 = 3 channels / 4 = 4 channels
Input voltage	**X**	1 = 110VAC / 2 = 220VAC or 230VAC or 240VAC 3 = 110VAC-240VAC / 4 = 10-20VDC (including 20) 5 = 20-30VDC (including 30) / 6 = 30-42VDC (including 42)
Colour	**X**	G = Gray / B = Black
PCB code	**XXXXX**	Q0046 = Specify code
Rated power	**XX**	50 = 50W / 100 = 100W
Optional function	**XX**	02 = With learning button / 03 = With earth wire 10 = With pole for earth wire 14 = with additional cable out for emergency stop 17 = Class I / 18 = Class II

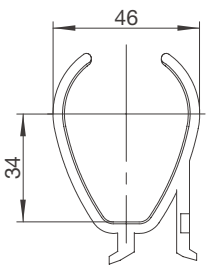
Diagram-system overview

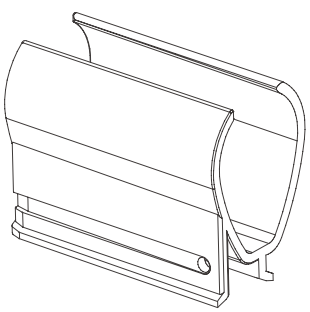


Installation

Mounting bracket

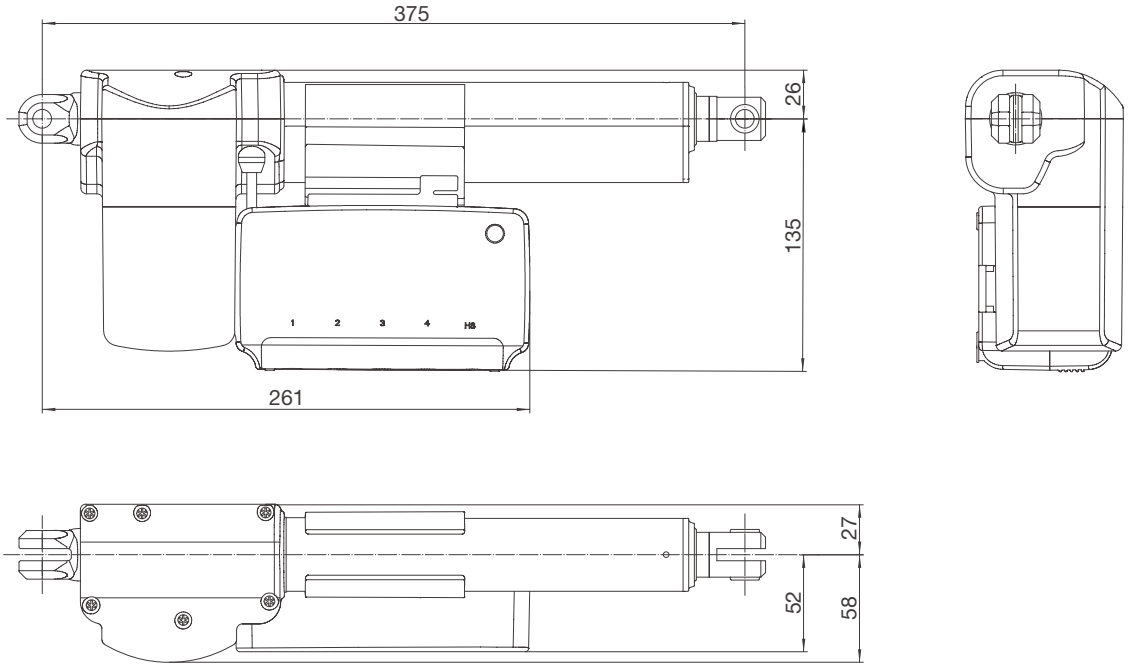




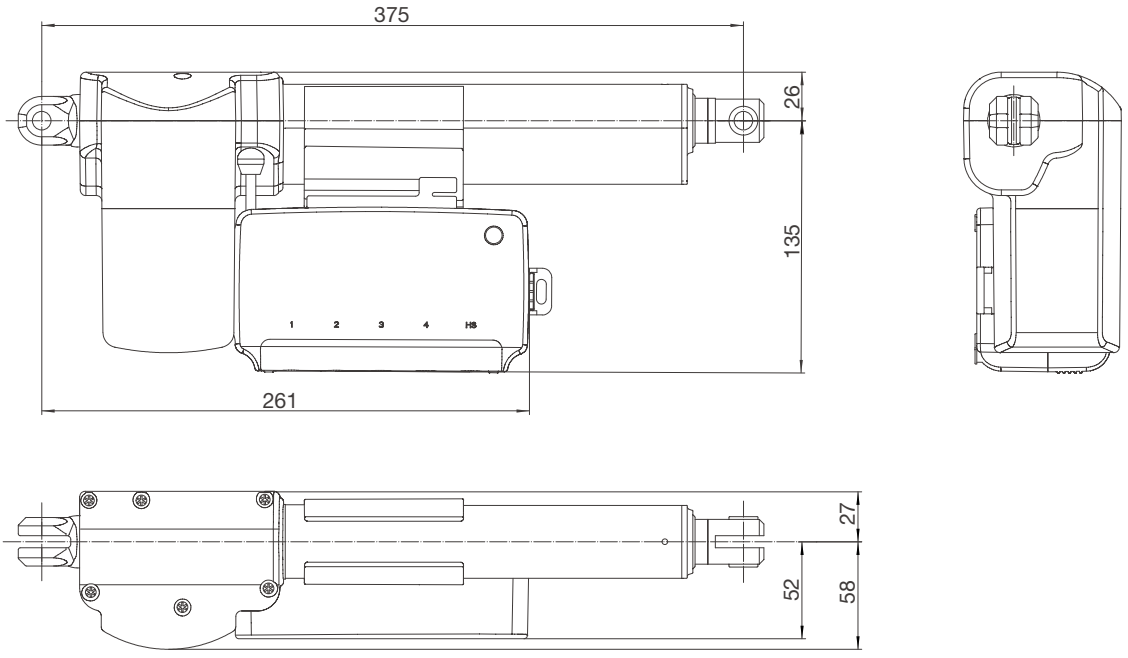


Dimensions of JCB35Q with linear actuators

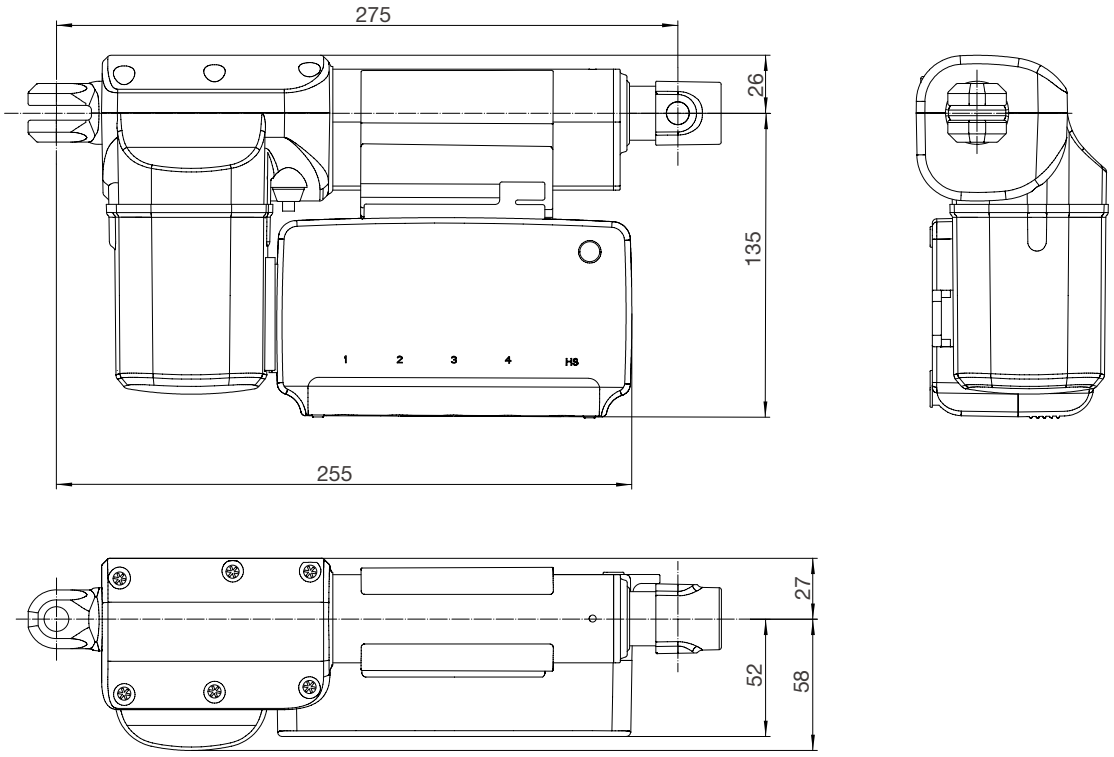
JCB35Q (general type) installing with actuator JC35L3



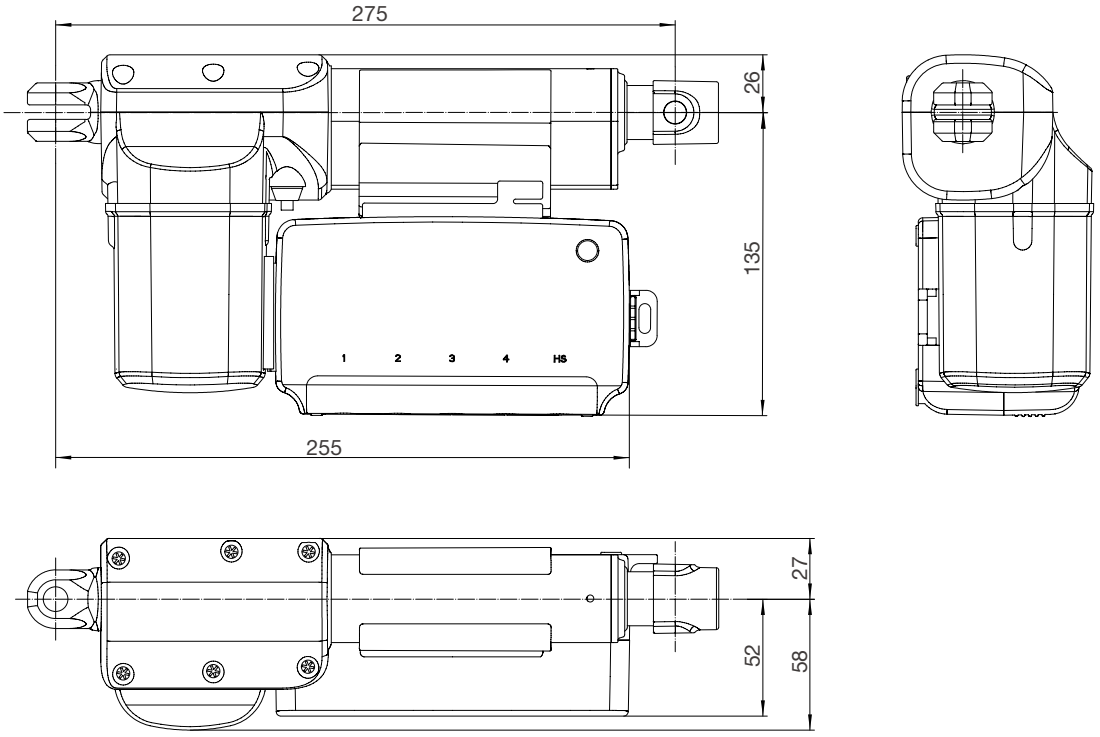
JCB35Q (installation type) installing with actuator JC35L3



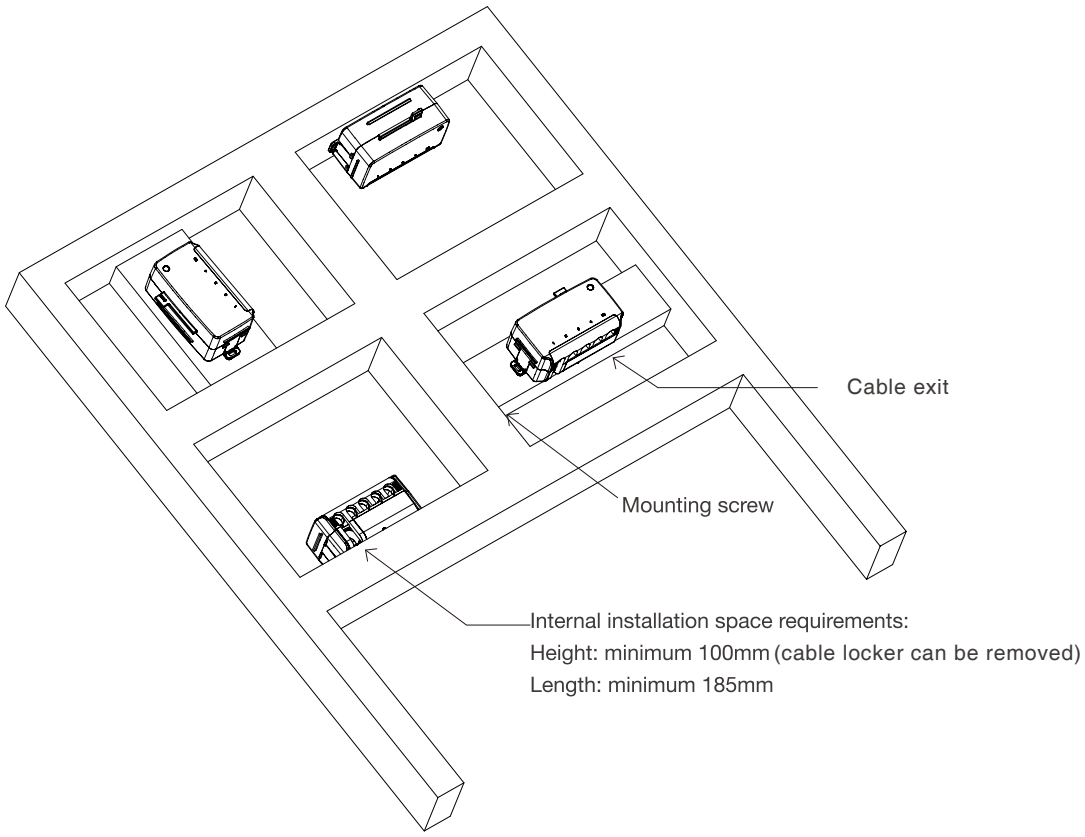
JCB35Q (general type) installing with actuator JC35L9



JCB35Q (installation type) installing with actuator JC35L9



Installing JCB35Q (installation type) to the frame

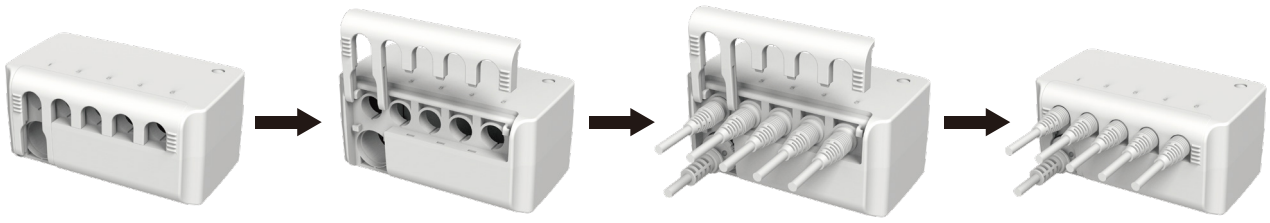


It is recommended to install the JCB35Q where the water can be drained.
Suggested screw installation torque: 0.6Nm +/-0.1
JCB35Q can be installed to the bed frame or any other applications according to one of the following installation instructions:
1) M5 screw+ M5 screw nut. Place M5 screw nut on the 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

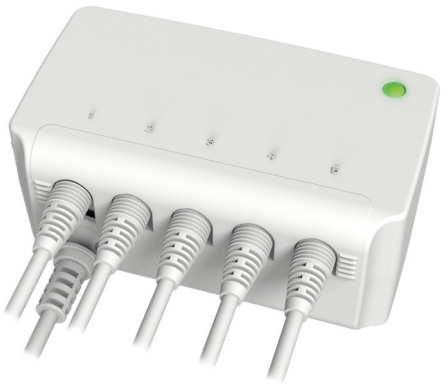
Linear actuator cable locking

1. JCB35Q has a uniquely designed cable cover. When it is equipped, it acts as an integrated actuator cable lock.
2. Equipping the cable cover until it snaps into place.(please refer to the below illustration)



LED indication

JCB35Q has a green LED power indicator.
When JCB35Q 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

Disclaimer and Exclusion of Liability

The user must determine the suitability of JIECANG products under specific conditions. JIECANG is committed to providing the latest product information. However, as JIECANG' s product are constantly improving, it is possible to make changes to JIECANG' s product without prior notice. Therefore, JIECANG cannot guarantee the correctness and authenticity of the product information. Although JIECANG will do its best to meet the order requirements, due to the above reasons, JIECANG cannot guarantee the delivery capacity 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 JIECANG sales and Delivery Standard Clauses. For copies of relevant documents, please contact JIECANG.

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

TECHNOLOGY
DRIVES INTELLIGENT LIFE