JCB35R1 Control box

JCB35R1 is mainly used in the medical and care lines. JCB35R1 is powered by DC safety voltage , safe and stable. JCB35R1 has a hand control port, max. five actuators channels and a battery port. With the elegant and compact design, JCB35R1 is applied to the demanding applications where space is important and requiring safety.
The sliding bracket can be locked to the platform via screws.



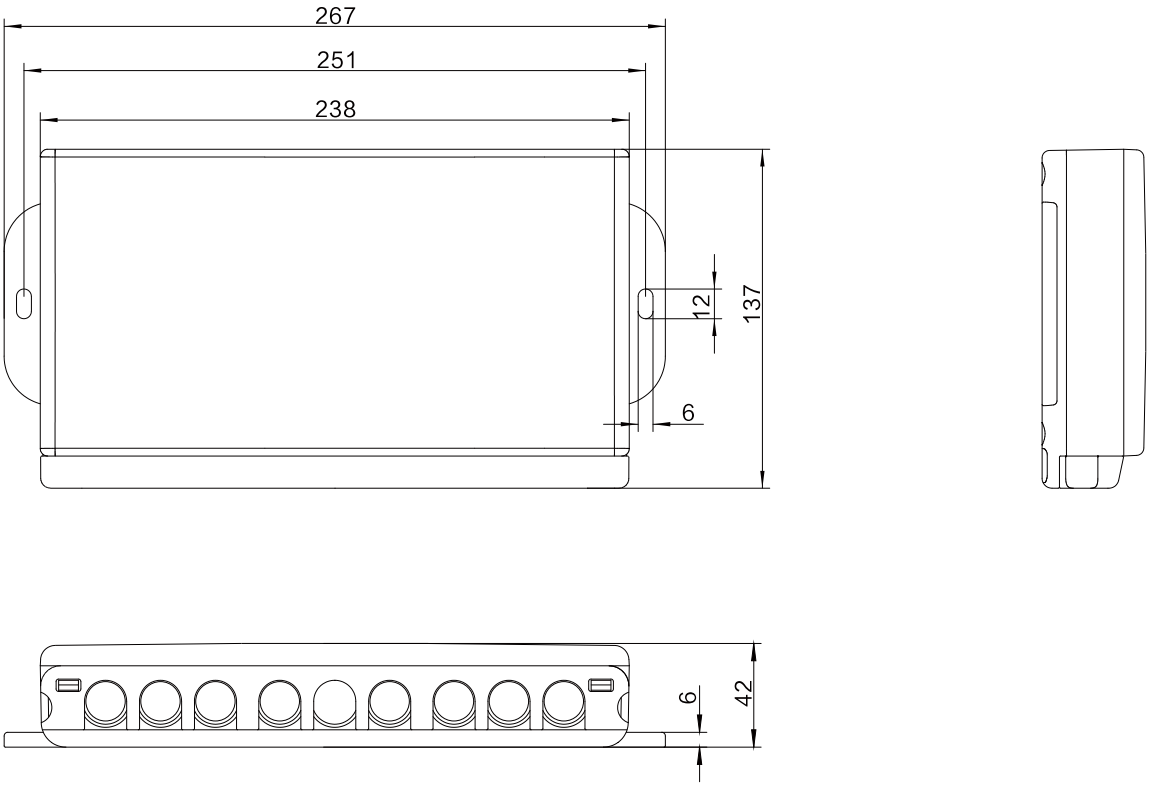
General Features

Power:	Input 26~36V (with power adapters)
Power Indicator:	Yes
Actuator Port:	Max. 6 channels
Hand Control Port:	1 channel
Battery Port:	1 channel
Standby Power Consumption:	Max. 1W (230V)
Colour:	Gray / Black
Control Concept:	Relay, service life exceeds 20000cycles
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off (180wat25c for 120 seconds)
Net Weight:	Approx. 0.65Kg
Protection Class:	Max.IPX6
Max. Current Of Single Channel:	7±0.5A
Power Management:	Yes. Ensuring max. power operation and limit max. output power.
Safety Protection:	SMPS overheat protection / Overheat protection
Installation:	Via screws on sliding bracket
Pull-out Protection:	Yes
Approvals:	IEC60601-1 edition 3.1 / EMC: IEC60601-1-2 ANSI/AAMI ES60601-1 / 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



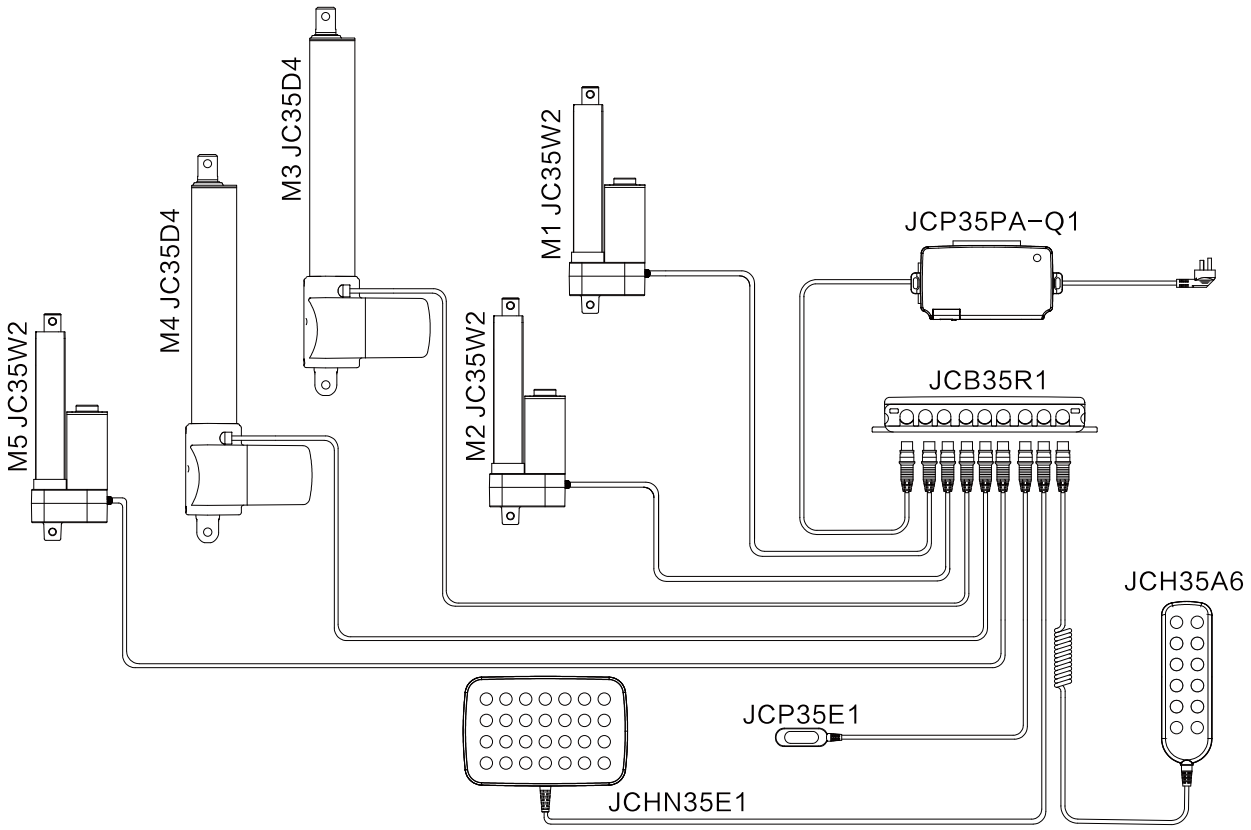
Ordering Key

Take **JCB35R1AM65GR00451001417** for example

Model	**JCB35R1**	
Extension features	**X**	A = With Battery function / M = With micrpchip
Channel	**X**	6 = 6 Channels 5 = 5 Channels 4 = 4 Channels 3 = 3 Channels
input voltage	**X**	3 = 110VAC-240VAC 4 =10-20VDC(including 20) 5 =20-30VDC(including 30) 6 =30-42VDC(including 42)
Colour	**X**	G = Gray
PCB code	**XX**	R0045 = specific code
Rated power	**XX**	100 = 100W / 200 = 200W
Optional features	**XX**	14 = with additional cable out for emergency stop 17 = CLASS A 18 = CLASS B

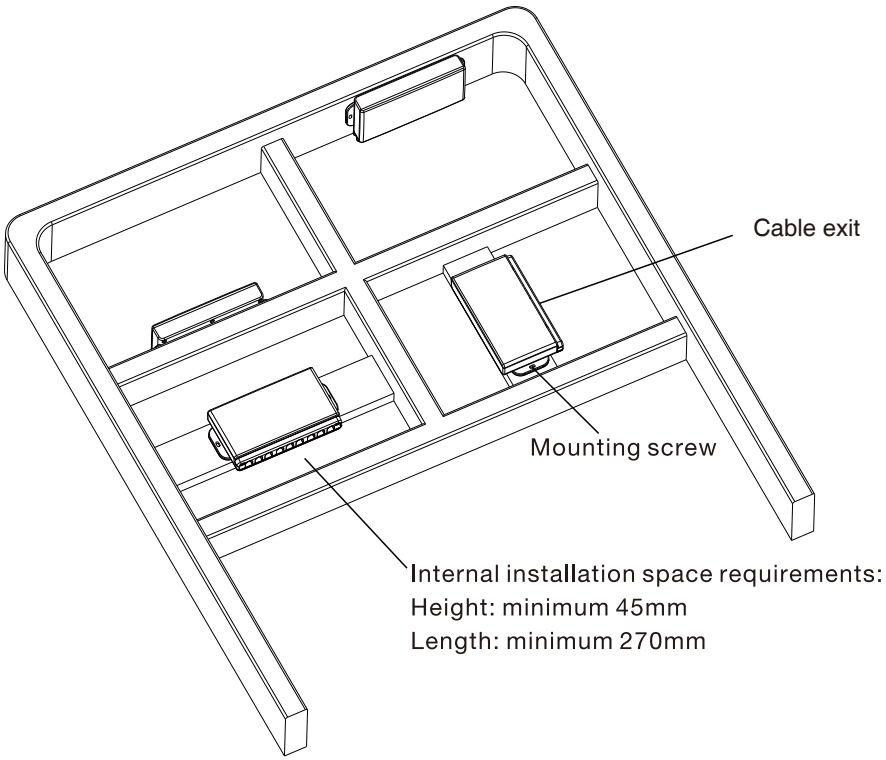
Diagram-system overview

Five actuators-homecare bed system A



Installation

Installing JCB35R1 to the frame



It is recommended to install the JCB35R1 where the water can be drained.

Suggested screw installation torque: 0.6Nm +/-0.1

JCB35R 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.

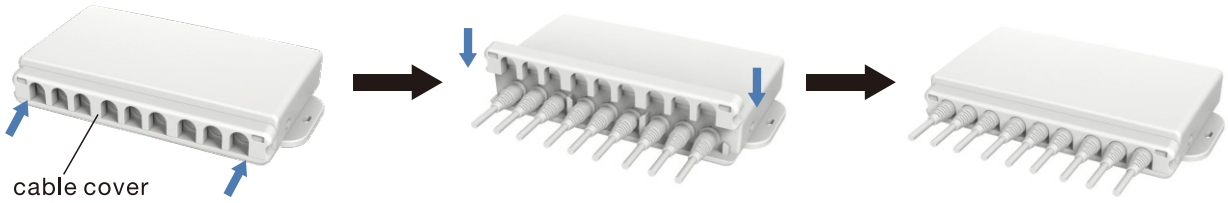
2) Fix the slide-on bracket with M5 screws + flat washer+ screw nut.

3) Fix the slide-on bracket to the frame with tapping screws.

Pull-out Protection and Cable Management

The control box JCB35R1 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

JCB35R1 has a green LED power indicator.
When JCB35R1 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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