

Control Box

CM23

CM23 is a control box specially designed for medical assistive applications such as lifts, bathing chairs, electric wheelchairs, etc.

CM23 can control two actuators to move synchronously. Its thin and exquisite appearance is easy to install and fix, and it can be operated by a wired hand control or support RF wireless control as option.

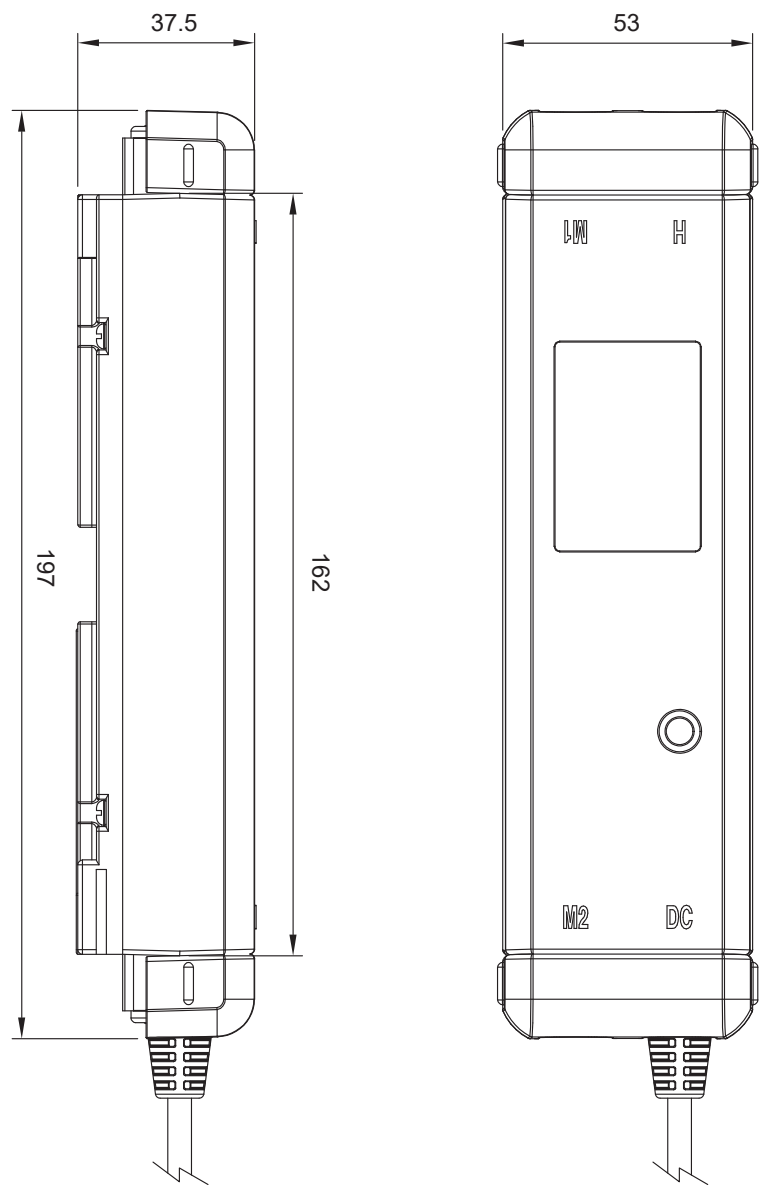


Features

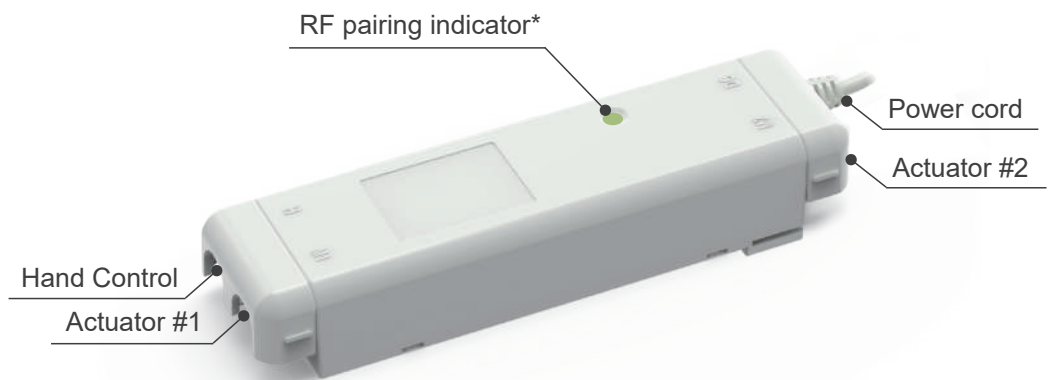
- Main applications: Medical Care
- Max. input voltage: 29V DC
- Max. output voltage: same as max. input voltage
- Output rated current: 4.0A (1 channel), 6.0A (2 channels total)
- Max. number of actuators: 2
- Number of controls: 1
- Duty cycle: 10%, maximum 2 minutes continuous use.
- Over-current protection function
- IP Protection level: IPX6
- Color: Light gray RAL 7035
- Power cord length: 300mm straight
- The default standard mounting plate can provide flexible installation methods
- Optional Built-in RF receiver

Dimensions

Unit: mm



I/O Introduction



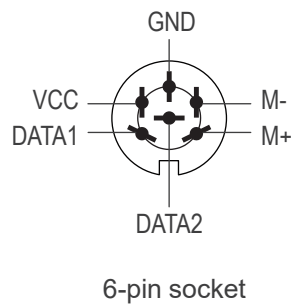
***Note:** Only supports RF remote option.

Compatibility

Product	Model	Compatible requirement
Actuator	MD21, MK32, LD12	- With Moteck H-type 6-pin DIN plug
Hand control	HT, HTF, HS12L	- Moteck P2 control category - With Moteck H-type 8-pin DIN plug
RF wireless remote	TX02, TXZ, TXH, TXT	- With Moteck's proprietary RF 2.4G protocol
Power supply	DPA-58-2920-C8 (formerly TSW1), DPB-58-2920-C8 (formerly TSW2), DPA-87-2930-C8	- With Moteck S-type 2-pin DIN 41529 plug
Accessory	BTP2-L battery box	- With DJ7021 waterproof plug

Connectors

- Actuator socket for Moteck H-type DIN plug



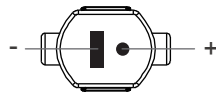
H-type DIN plug

Note: Connect M+ to "Vdc +" & M- to "Vdc -" of DC power to extend the motor.
Switch the polarity of DC input to retract it.

- Hand control socket for Moteck H-type DIN plug



- DC power plug (not water resistant)



DIN 41529 2-pin male plug



S-type
female connector

- DC power plug (water resistant)



DJ7021 2-pin male plug



DJ7021
female connector

Ordering Key

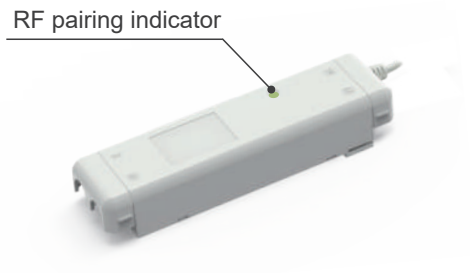
CM23 - S - 2 R - 0 0 3

Function version	S: Synchronization version
Number of actuator	2: 2 actuators
RF remote	N: None R: supports RF remote function (Built-in RF receiver)
Reserved	0
Cable	0: With Moteck S-type DIN 41529 plug D: With DJ7021 waterproof plug
Power cable length	3: 300mm straight

Installation Guide

- RF Pairing

1. When using the CM23 for the first time, it needs to be paired with the wireless remote control, and then it can be operated at any time.
2. Press the pairing button of the remote control within 5 seconds after the control box is powered on, the RF pairing indicator of the control box flashes green during pairing, and the RF pairing indicator light is solid green when pairing is successful. And the remote control can be operated normally, which means that the pairing is successful.

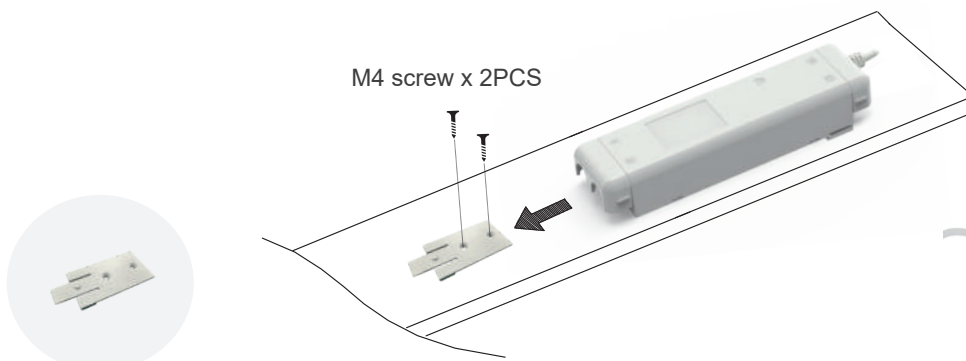


Note:

- Only applicable to optional models with built-in RF receiver
- No need to re-pair after power off and on again
- Only one remote control can be paired. Pairing the second remote will overwrite the first one.

- Mounting

1. According to the usage, first fix the mounting plate to the proper position with M4 screws. **(Fig.1)**
2. Align the mounting plate with notch (①~②) on the back of the control box and put it in. **(Fig.1, 2)**



Mounting Plate

Fig.1



Fig.2

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