

Control Box CM42

The CM42 control box is dedicated to patient hoist and stand-up lift. The soft start control makes the actuator movement smooth and comfortable. The reliable and error-free emergency stop button, overcurrent protection, and overheating protection functions meet safety requirements. Two lead-acid battery capacities, 5Ah or 2.9Ah, can be selected. Including battery power and some useful status information can be sent to a specific hand control to remind. CM42 also uses its own LED indicator and buzzer to play its reminder function. The beautiful appearance design and simple operation interface are also very suitable for home care.



Features

- Main applications: Medical, Home care
- Powered by lead-acid batteries, output: 24V DC
- Built-in battery charging power supply, input: 100~240V AC, 50/60Hz
- Max. Number of actuators: 2 channels
- Max. Number of controls: 1 channel
- Actuator slow start function makes the movement smooth
- Auto power off
- Adjustable overload protection current: lift actuator 5~9A (requires special hand control to set)
- Emergency stop button
- Backup lower down button
- LED indication of charging and usage status
- Buzzer sounds if low battery
- Duty cycle: 10%, max. 2 min continuous operation in 20 min.
- Ambient operation temperature: +5°C~+40°C
- Storage temperature: -10°C~+50°C
- IP Level: IPX4
- Electric shock protection level: Class II
- Color: Light grey (RAL 7035)
- Certified: CE Marking, EN 60601-1, EN 60601-1-2, IEC 60601-1-2, EN IEC 61000-3-2, EN 61000-3-3

Options

- Lead-acid batteries:

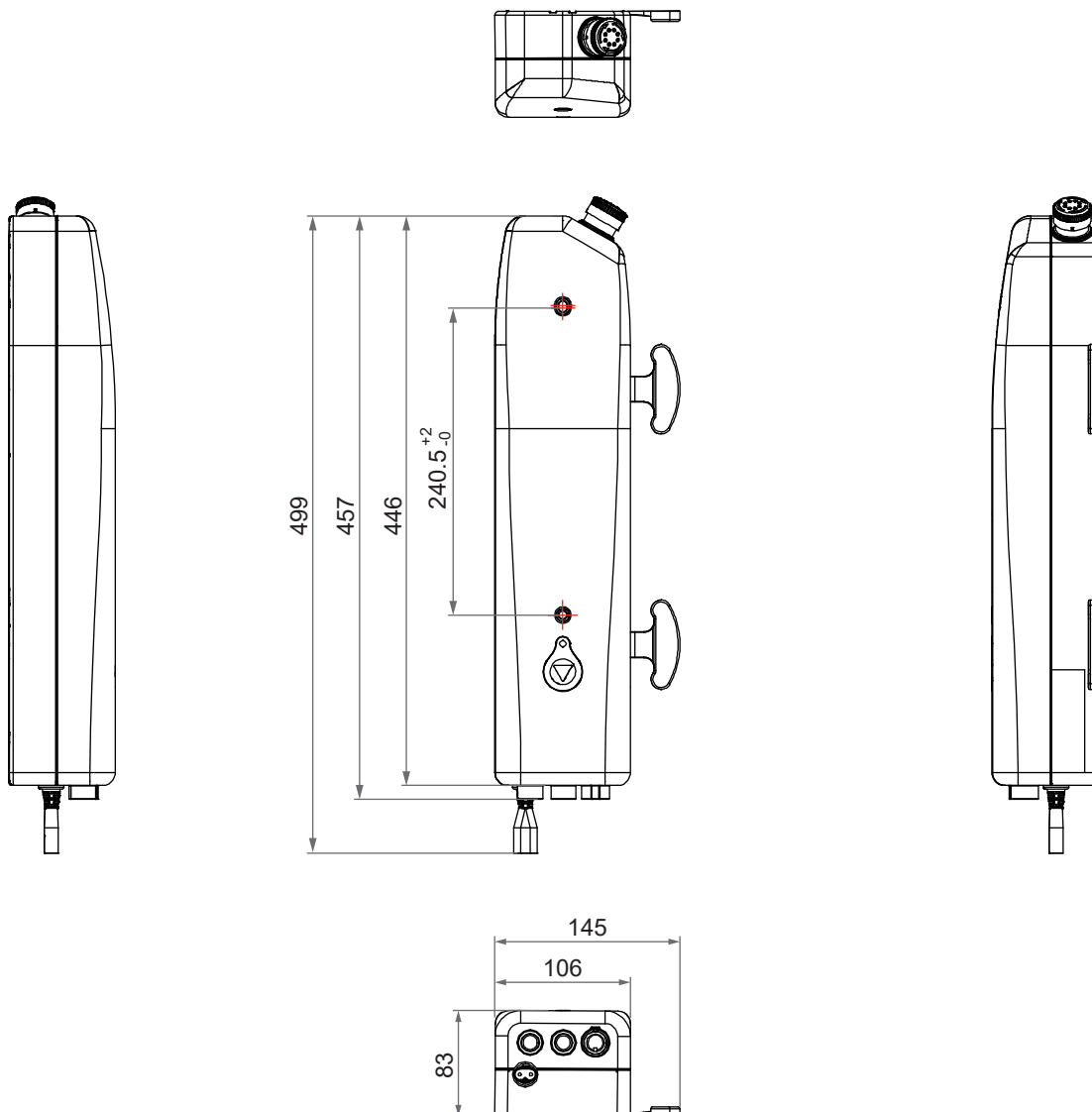
Battery capacity	Total charging time	Cycles can be used
2.9Ah	Approx. 4 hours	40
5Ah	Approx. 7 hours	70

Remarks:

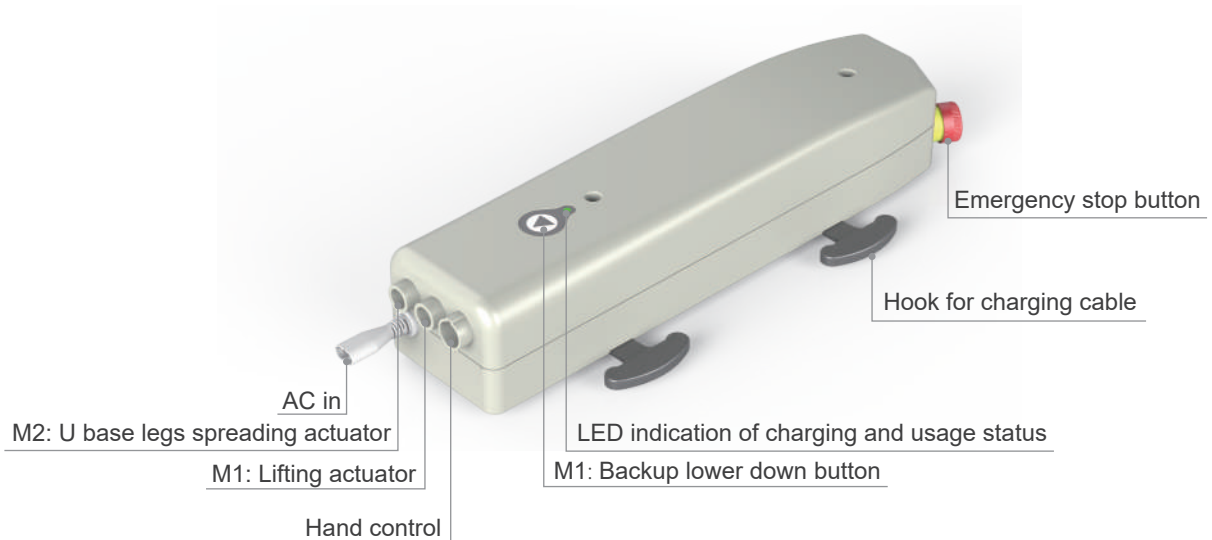
1. Due to the chemical properties of Lead-acid batteries, battery capacity decreases gradually with use over time, This is a normal phenomenon.
2. Under normal usage conditions, including thrust up to 6000N and a 200mm stroke, a fully charged battery is expected to run the used times on the lifting and lowering system as the table shows.

Dimensions

Unit: mm



I/O Introduction



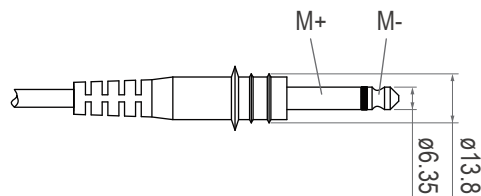
Compatibility

Product	Model	Compatible requirement
Actuator	M1 Lifting actuator: MD60, MD80, MD82, MD100, MD120	<ul style="list-style-type: none"> • Phone jack(ø6.35mm) with Moteck J1-type
	M2 U base legs spreading actuator: MD21, MD50, MD51	
Hand control	HS12L, HTF, HT,	<ul style="list-style-type: none"> • Moteck P2 control category • With Moteck H-type 5-pin DIN plug
	HS12L, H2T	<ul style="list-style-type: none"> • Moteck S3 control category • With Moteck H-type 8-pin DIN plug

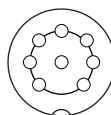
Socket

• Actuator socket for Moteck J1-type phone jack

Connect M+ to "+" & M- to "-" of DC power, the actuator will extend.



• Hand control socket for Moteck H-type DIN plug



8-pin socket



Ordering Key

CM42 - 24 - 2 - A 3 0 C2

Output voltage	24: 24V DC
Number of actuator	1: 1 channel 2: 2 channels
Function version	A: Function version A
Battery	3: Lead-acid battery (12V/2.9Ah x 2 pcs) 5: Lead-acid battery (12V/5Ah x 2 pcs)
Reserved	0
AC Power cable	A2: US plug, 2000mm straight A3: US plug, 3000mm straight C2: EU plug, 2000mm straight C3: EU plug, 3000mm straight G3: UK plug, 3000mm straight V3: CEE 7/17 plug, 3000mm straight 00: Without AC Power cord

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