CRD
D E V I C E S

Control Box
CBP2

CBP2 control box is powered by battery pack, which is specially designed for patient hoists or stand-up lifts. It's built with soft-start/stop function to provide a safer and more comfortable user experience. The multifunctional LCM shows the battery status, and abnormal usage such as over duty, overload, and low battery. Moreover, CBP2 provides different power supply options, including internal transformer and internal/external SMPS.

Feature

- Main applications: medical, home care
- Input voltage: 100, 120, 230V AC or 100～240V AC, 50/60Hz
- Output voltage: 24V DC
- Overload protection current on lifting actuator: 5～9A (on demand)
- Max. number of actuators this control box can drive: 2
- Max. number of control buttons: 4
- Emergency stop button
- LCM display shows status and error info
- IP protection level: IP66 (for EI transformer or internal SMPS) / IPx4 (for external SMPS)
- Color: RAL 7035 (front cover), RAL 7016 (back cover)
- Certified: UL (E464256), CE marking MDD 93/42/EEC and 93/68/EEC
- Duty cycle: 10%, max. 2 min continuous operation in 20 min.

Option

- Internal (EI transformer or SMPS) or external SMPS (30V DC)
- Phone jack with ϕ 13.6 or ϕ 16.7 mm molding available
- With/without battery level indicator on BTP1
- With/without lead-acid batteries inside BTP1

Compatibility

Prouduct	Model	Required spec.
Actuator	Lifting actuator: MD60, MD80, MD100	Phone jack(ϕ 6.35 mm) with Moteck J1(ϕ 13.6 mm) *(Fig.1)* or J2(ϕ 16.7 mm) *(Fig.2)* type molding
	Leg spreading actuator: MD50	
Handset	HT, HTF, H3T	Moteck H type DIN plug *(Fig.3)*
Accessory	Battery pack: BTP1 *(Fig.4)*	
	Battery charger: CHP1 *(Fig.5)*	

| *(Fig.1)* | *(Fig.2)* | *(Fig.3)* | *(Fig.4)* | *(Fig.5)* |

Control System Diagram

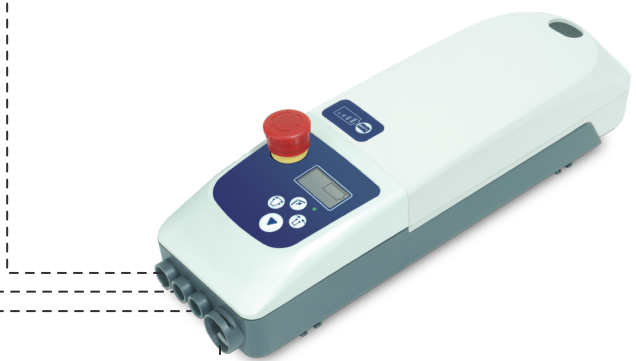**Handset**

Lifting actuator

Leg spreading actuator

AC in
(Internal SMPS)

or
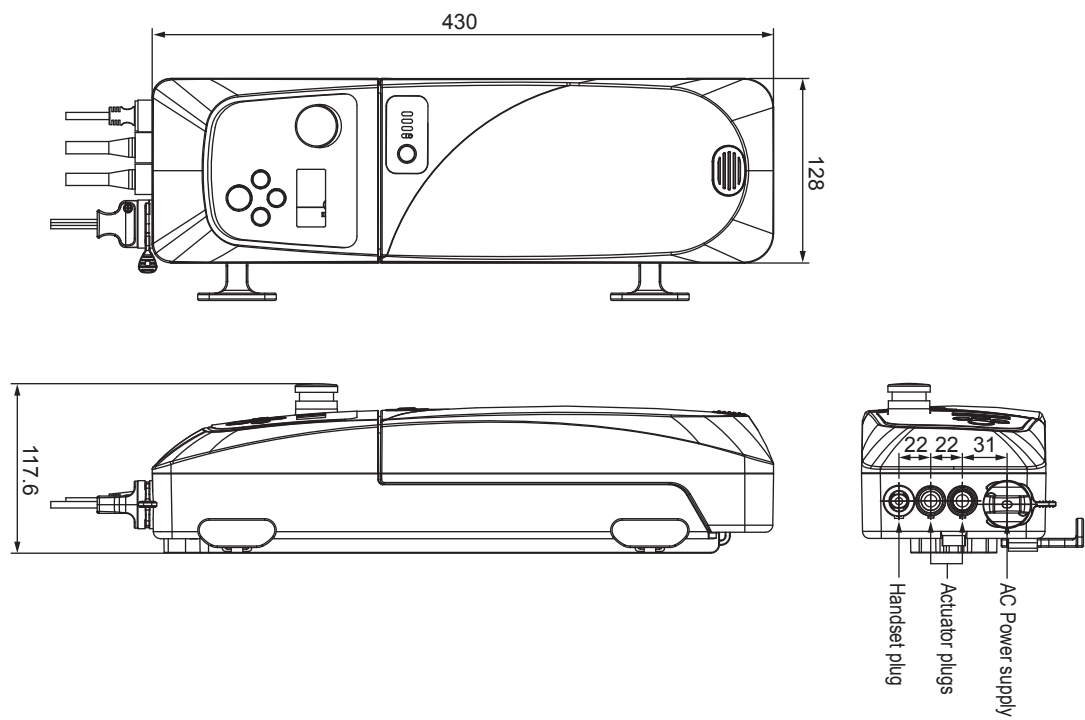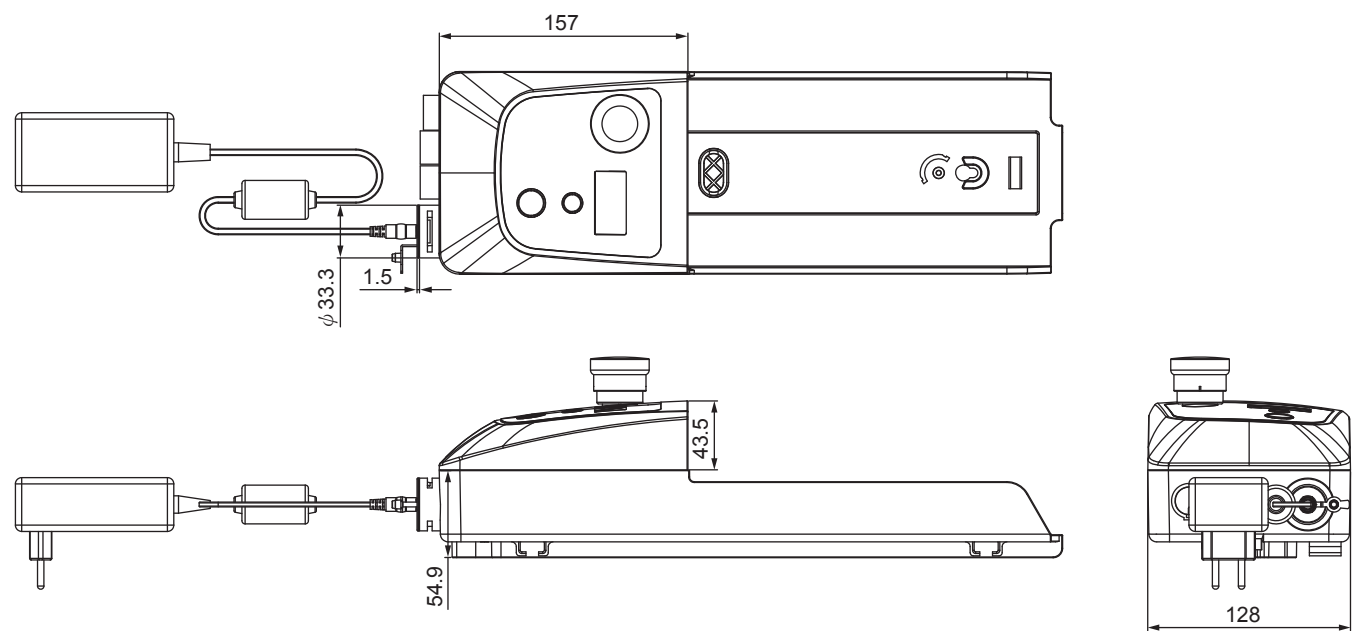
DC in
(External SMPS)

Remark:
To know more about CBP2 please refer to "CBP2 user guide".

Dimensions

Internal power supply

430

128

117.6

22 22 31

Handset plug

Actuator plugs

AC Power supply

External power supply

157

φ 33.3

1.5

43.5

54.9

128

Unit: mm

Ordering Key

CBP2 - ISW - 24 - 2 - P1 - B V

Input	**100**: 100V AC **120**: 120V AC **230**: 230V AC **ISW**: Internal SMPS **TSW**: External SMPS
Output	**24**: 24V DC
Actuator	**1**: 1 Actuator **2**: 2 Actuators
Plug	**P1**: ϕ 13.6 mm **P2**: ϕ 16.7 mm
Battery	**B**: With lead-acid battery inside **0**: Without lead-acid battery inside
Battery level indicator	**V**: With indicator **0**: Without indicator

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