

# Control Box CBP2



## Features

- ◆ CBP2 is a control box designed for use in patient lift. There are many benefits available such as:
  - a. Soft start and stop for lifting actuator
  - b. Voice feedback button is available
  - c. Software control for over-duty protection
  - d. LCD display shows battery level, over-duty or overload
  - e. Low voltage alarm with buzzer and shut down automatically
  - f. Quickly replaceable battery pack (BTP1) containing high-capacity (5Ah x 2) battery enables long period of operation between charges
  - g. Internal battery charger
  - h. Panel buttons available on the front cover for easy hand control
  - i. Emergency stop button
- ◆ Main applications : medical and homecare
- ◆ Input voltage : 100 / 120 / 230 / Internal SMPS (100~240V AC)
- ◆ Output voltage : 24V DC
- ◆ Max. current : 9A @ 24V DC
- ◆ Overload protection limit : Max. 9A (5A~9A on demand)
- ◆ Max. number of actuators this control box can drive : 2
- ◆ Duty cycle : 10% or 2 min continuous operation in 20 min.
- ◆ IP protection level : IP66
- ◆ Color : RAL 7035 (front cover), RAL 7016 (back cover)
- ◆ Certified : UL (E464256), EN 60601-1, IEC61000-3, IEC61000-4, CISPR 11

# Option

- ◆ Second actuator for frame spreading.
- ◆ Phone jack with 13.6 or 16.7mm molding available.

## Compatibility

### 1. Handset

HT, HTF, H3T

(DIN plug with Moteck H type housing)



H type plug housing

### 2. Actuator

MD60, MD80, MD100

( $\varphi$  6.35mm loud speaker plug with

$\varphi$  13.8 mm Moteck J1 type or

$\varphi$  16.7 mm Moteck J2 type housing)



J1 type plug housing



J2 type plug housing

### 3. Accessory

#### (1) BTP1 Battery back

- ◆ Output voltage : 24V DC
- ◆ Battery : 12V DC, 5 AH, Lead acid battery x 2 pcs
- ◆ Output Current : 10A Max.
- ◆ Certified : UL (E464256), EN60601-1, IEC61000-3, IEC61000-4, CISPR 11
- ◆ IP Level : IP66
- ◆ Color : RAL7035



BTP1

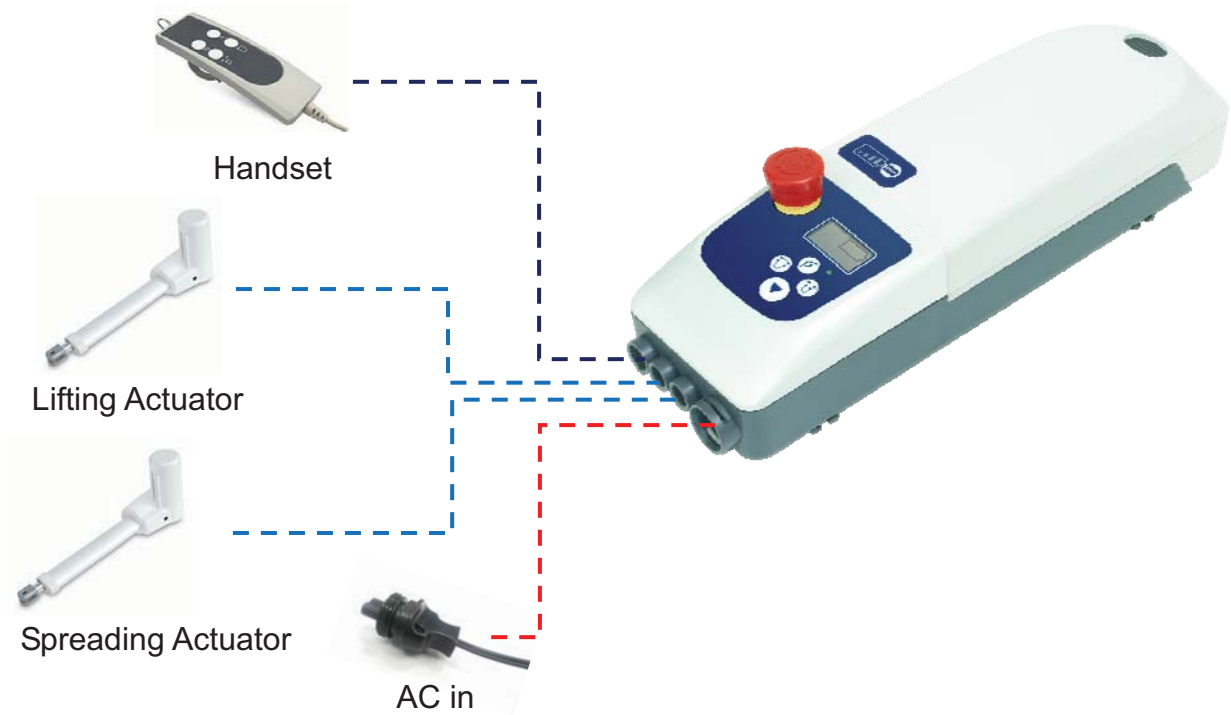
#### (2) CHP1 Charger

- ◆ It provides a solution for charging when there is an extra BTP1 battery pack.
- ◆ Input voltage : 100/120/230V AC
- ◆ Color : RAL7035 (front cover), RAL7016 (back cover)
- ◆ Certified : EN55011, EN60601-1, EN61000-3, EN61000-4
- ◆ Option : LED indicator

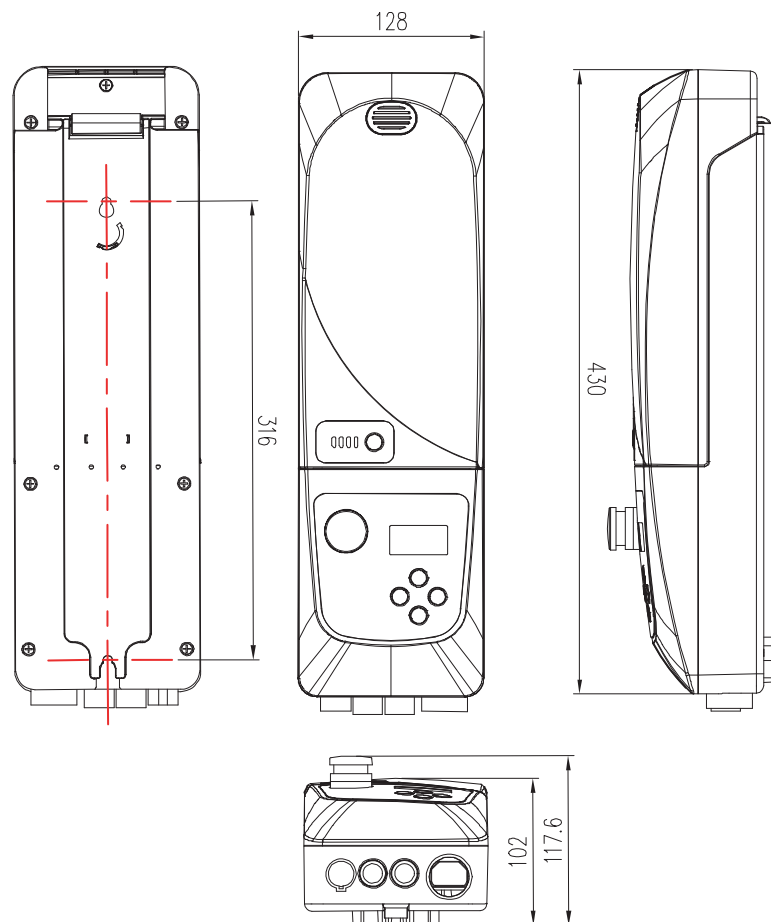


CHP1

# Control System Diagram



# Dimension



Unit: mm

# Ordering Key

CBP2—□□□—24—□—□□

## Input

100 : 100V AC

120 : 120V AC

230 : 230V AC

ISW : Internal SMPS (100~240V AC)

## Output

24 : 24V DC

## Actuator

1 : 1 Actuator

2 : 2 Actuators

## Plug

P1 :  $\Phi$  13.6mm

P2 :  $\Phi$  16.7mm

BTP1—□□—□□

## Battery

B0 : Without Battery

B1 : With Battery

## Indicator

V0 : Without Indicator

V1 : With Indicator



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