Control Box

**T Control**

Dimensions: 116*103*72mm  
Input: 100 / 120 / 230 / 100–240V AC  
Max. Output: 24V DC, 3A  
Number of Actuator: 1~3  
Number of Control: 1  
Duty Cycle: 10%  
IP Level: IP20  
Protection Class: II  
Certificate: UL962, PSE, C-Tick, RoHS, CE,  
EMC Directive 2014/30/EU and 2014/35/EU,  
EMF EN62233, IEC60068, ISTA  
Can be mounted on FD60  
Option: Built-in SMPS  
Safety plug (SP4 or SP5)  
Mounting plate

FD60+T CONTROL

---

**TL01**

Dimensions: 116*103*72mm  
Input: 110V AC / 230V AC  
Max. Output: 24V DC, 3A  
Number of Actuator: 4  
Number of Control: 2  
Duty Cycle: 10%  
IP Level: IP20  
Protection Class: II  
Joint Moment for 2 Actuators  
Emergency lowering function  
Option: Safety plug (SP4 or SP5)  
Mounting plate

---

**CBT2**

Dimensions: 116*103*94mm  
Input: 120 / 230 / 100–240V AC  
Max. Output: 24V DC, 3A  
Number of Actuator: 1~3  
Number of Control: 1  
Duty Cycle: 10%  
IP Level: IP20  
Protection Class: I / II  
Certificate: EN55014-1, EN55014-2,  
EN60335-1, EN62233  
Can be mounted on FD60  
Detachable AC power cord  
Option: Built-in SMPS  
Mounting plate  
Color (black or RAL7001)
**CB3T**

Dimensions: 190*100*72mm  
Input: 120 / 230 / 100~240V AC  
Max. Output: 12V DC, 6A / 24V DC, 3A  
Number of Actuator: 1~3  
Number of Control: 1  
Duty Cycle: 10%  
IP Level: IP20  
Protection Class: II  
Certificate: EN60335-1, EN55014-1, EN55014-2  
Option: Synchronization of 2 actuators  
Built-in SMPS

---

**CB4M**

Dimensions: 277*137*89mm  
Input: 110 / 230V AC  
Max. Output: 24V DC, 3A  
Number of Actuator: 2~4  
Number of Control: 2  
Duty Cycle: 10%  
IP Level: IP20  
Protection Class: II  
Certificate: CISPR14-1, EN50366, EN55014-1, EN55014-2, EN60335-1, EN61000-3  
Option: Rechargeable batteries 12V DC 1.3AH*2  
Charger function  
Synchronization for 2~4 Actuators  
Detachable AC power cord

---

**CB2P**

Dimensions: 172*136*75mm  
Input: 110 / 230V AC  
Max. Output: 12V DC, 6A / 24V DC, 3A  
Number of Actuator: 1~2  
Number of Control: 1  
Duty Cycle: 10%  
IP Level: IP65  
Protection Class: II  
Certificate: EN60601-1  
Can be mounted on MD66, MD60 and MD7  
9V DC backup batteries *2
Control Box

**CB4P**

- **Dimensions:** 321*114*92mm
- **Input:** 110 / 230V AC
- **Max. Output:** 24V DC, 3–9A
- **Number of Actuator:** 1–4
- **Number of Control:** 2
- **Duty Cycle:** 10%
- **IP Level:** IPX4
- **Protection Class:** I
- **Certificate:** CE, Medical Devices Directive (MDD) 93/42/EEC
- **Option:** Charger function
  - Rechargeable batteries 12V DC 1.3AH *2
  - High power version
  - Synchronization for 2 actuators

**CB5P-M**

- **Dimensions:** 325*140*96mm
- **Input:** 100 / 120 / 230V AC
- **Max. Output:** 24V DC, 5A, 3A
- **Number of Actuator:** 1–5
- **Number of Control:** 2
- **Duty Cycle:** 10%
- **IP Level:** IPX4 / IPX5
- **Protection Class:** II
- **Certificate:** EN60601-1 (Planing)
- **Option:** Rechargeable batteries 12V DC 1.3AH *2

**MD6C**

- **Dimensions:** 119*82*95mm
- **Input:** 100 / 120 / 230 / 100–240V AC
- **Max. Output:** 24V DC, 5A
- **Number of Actuator:** 1–4
- **Number of Control:** 1
- **Duty Cycle:** 10%
- **IP Level:** IPX5
- **Protection Class:** I / II
- **Certificate:** CE, Medical Devices Directive (MDD) 93/42/EEC
- **Can be mounted on:** MD60/MD66
- **Emergency lowering function with backup batteries**
- **Option:** MoBus protocol (MD6C-M)
  - Joint movement for 2 actuators
  - Fixing bracket
MD7C
Dimensions: 152*148*106mm
Input: 100 / 120 / 230V AC
Max. Output: 24V DC, 3A
Number of Actuator: 1 ~ 4
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4 / IPX5
Protection Class: II
Certificate: IEC60601-1, EN60601-1
Can be mounted on MD7
Emergency lowering function with backup batteries

CBP2
Dimensions: 430*128*118mm
Input: 100 / 120 / 230 / 100~240V AC
Max. Output: 24V DC, 5~9A
Number of Actuator: 1 ~ 4
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4(External SMPS) / IP66
Protection Class: II
Emergency stop button
LCM display (status and error info)
Option: Lead acid battery
        Battery level indicator
        External/internal SMPS or transformer

CBP3
Dimensions: 430*128*118mm
Input: 100 ~ 240V AC
Max. Output: 24V DC, 5~9A
Number of Actuator: 1 ~ 2
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4(external SMPS) / IP66
Protection Class: II
Certificate: CE, Medical Device Directive (MDD) 93/42/EEC
Emergency stop button
LCM display (status and error info)
History record of abnormal usage
Connect PC to access history records or setting function
Option: Lead acid battery
        Battery level indicator
        External/internal SMPS
Control Box

**CS1**
- Dimensions: 101*90*40mm
- Input: 29V DC
- Max. Output: 29V DC, 3A
- Number of Actuator: 1~2
- Number of Control: 1
- Duty Cycle: 10%
- IP Level: IP42
- Can be mounted on FD60
- Detachable 1M DC power cord with DIN41259 plug
- Option: External SMPS (TSW1 or TSW2)
  - Anti-pull accessory
  - Mounting plate
  - Emergency lowering function with TSW2

**CS2**
- Dimensions: 142*96*43mm
- Input: 29V DC
- Max. Output: 29V DC, 3A
- Number of Actuator: 2~4
- Number of Control: 1
- Duty Cycle: 10%
- IP Level: IP42
- Certificate: EN55014-1, EN55014-2
- Can be mounted on FD60
- Option: External SMPS (TSW1 or TSW2 or TSW3)
  - Joint movement for 2 actuators
  - Mounting plate
  - Emergency lowering function with TSW2

**DKC3**
- Dimensions: 286*90*38mm
- Input: 100~240V AC
- Output: 24 / 32V DC
- Number of Actuator: 1~2
- Number of Control: 1
- Duty Cycle: 10%
- IP Level: IP20
- Synchronization for 2 motors
- Anti-collision function
- Height display (compatible with DKP3)
- Memory function
- Soft start/stop function

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**CIS1**

Synchronization Control Box

Dimensions: 281*225*106mm  
Input: 24V DC  
Max. Output: 24V DC, 7.5A  
Number of Actuator: 2  
Duty Cycle: 10%  
Synchronization for 2 actuators  
Work with signals of hall effect sensor or reed sensor  
Memory function  
Option: Software limit protection

**CIS2**

Synchronization and High Current Control Box

Dimensions: 281*225*106mm  
Input: 12V DC  
Max. Output: 12V DC, 12A  
Number of Actuator: 2  
Duty Cycle: 10%  
Drive 2 actuators move synchronously or independently  
Work with signals of hall effect sensor or reed sensor  
Memory function  
Battery charging function (AC or solar input)  
Option: Battery charger

**CIS3**

Synchronization and High Current Control Box

Dimensions: 281*225*106mm  
Input: 24V DC  
Max. Output: 24V DC, 13A  
Number of Actuator: 2  
Duty Cycle: 10%  
Synchronization for 2 actuators  
Work with signals of potentiometer  
Memory function  
Option: Software limit protection

**CI10**

Dimensions: 254*225*161mm  
Input: 110 or 230V AC (Adjustable)  
Max. Output: 24V DC, 13A  
Number of Actuator: 1  
Duty Cycle: 10%  
Protection Class: II  
Equipped with switch for movement control  
Recommend to use with ID10  
Emergency stop button  
LED power indicator

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## Control work with control box

### HC
- **Dimensions:** 161*55*19mm
- **Number of Actuator:** 1～4
- **Number of Button:** 2, 4, 6, 8, 10
- **Certificate:** CE, EMC Directive 2014/30/EU
- **LED indicator**
- **With hook**
- **Option:** Joint movement for 2 motors

### HD
- **Dimensions:** 146*56*22mm
- **Number of Actuator:** 1～4
- **Number of Button:** 2, 4, 6, 8
- **LED indicator**
- **With hook**
- **Option:** Joint movement or synchronization for 2 motors

### H2D
- **Dimensions:** 180*75*20mm
- **Number of Actuator:** 2～4
- **Number of Button:** 6, 8, 10, 12
- **IP Level:** IPX4
- **LED indicator**
- **With hook**
- **Option:** Nurse lock

### HF
- **Dimensions:** 180*60*26mm
- **Number of Actuator:** 1～4
- **Number of Button:** 2, 4, 6, 8, 10
- **IP Level:** IPX4
- **LED indicator**
- **With hook**
- **Option:** Safety key

### H3F
- **Dimensions:** 170*55*26mm
- **Number of Actuator:** 1～3
- **Number of Button:** 2, 4, 6, 8
- **IP Level:** IPX4 / IPX6
- **Button backlight (blue)**
- **With hook**
- **Option:** Joint movement for 2 motors

### HI
- **Dimensions:** 139*50*28mm
- **Number of Actuator:** 1～3
- **Number of Button:** 2, 4, 6, 8, 9
- **With hook**
- **Option:** Joint movement for 2 motors
  - **Memory function**
  - **Safety key**
**HJ**
Dimensions: 95*50*16mm
Number of Actuator: 1~3
Number of Button: 2, 4, 6
IP Level: IP20
LED indicator
With hook
Option: Joint movement for 2 motors
Magnetic back cover

**HM**
Dimensions: 142*58*25mm
Number of Actuator: 1~3
Number of Button: 2, 4, 6, 8
LED indicator
With hook
Option: Joint movement or synchronization for 2 motors
Safety key

**H2N**
Dimensions: 127*51*16mm
Number of Actuator: 1~3
Number of Button: 2, 4, 6, 7, 9
With hook
Option: Joint movement for 2 motors
LED torch (white)
Holder without hook

**H3N**
Dimensions: 162*60*21mm
Number of Actuator: 1~2
Number of Button: 3, 5, 6, 7, 8, 10
LED torch (blue)
Button backlight (green)
Option: Joint movement for 2 motors
Memory function
Holder with or without hook
Color (textured black or matt black)

**H3NT**
Dimensions: 162*60*21mm
Number of Actuator: 2
Number of Button: 3, 5, 6, 7
IP Level: IP20
LED torch (blue)
Button backlight (blue, triggered by built-in touch sensor or button)
Option: Joint movement for 2 motors
Memory function
Holder with or without hook
Color (textured black or matt black)

**H4N**
Dimensions: 142*50*21mm
Number of Actuator: 2
Number of Button: 5, 7, 8, 10
LED torch (blue)
Button backlight (blue, triggered by G-sensor or button)
Option: Joint movement for 2 motors
Memory function
Holder with or without hook
### Control

**Work with control box**

<table>
<thead>
<tr>
<th><strong>HR</strong></th>
<th><strong>HT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Control" /></td>
<td><img src="image2.png" alt="Control" /></td>
</tr>
</tbody>
</table>
| **Number of Actuator:** 1  
**Number of Button:** 2  
**Option:** Relay-free version (HR-P) | **Dimensions:** 165x65x17mm  
**Number of Actuator:** 1~4  
**Number of Button:** 2, 4, 6, 8, 10  
**IP Level:** IPX5  
**LED Indicator**  
**Compatible with CBP2/CBP3**  
**With hook**  
**Option:** Joint movement or synchronization for 2 motors  
Nurse lock  
Safety key |

<table>
<thead>
<tr>
<th><strong>HTF</strong></th>
<th><strong>H2T</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Control" /></td>
<td><img src="image4.png" alt="Control" /></td>
</tr>
</tbody>
</table>
| **Dimensions:** 165x65x17mm  
**Number of Actuator:** 1~2  
**Number of Button:** 2, 4  
**IP Level:** IPX5  
**Compatible with CBP2/CBP3**  
**With hook**  
**Option:** Safety key | **Dimensions:** 138x60x17mm  
**Number of Actuator:** 1~2  
**Number of Button:** 2, 4  
**IP Level:** IPX6  
**Compatible with CBP3**  
**LED Indicator** (battery condition, service reminder and overload alarm)  
**With hook**  
**Option:** Joint movement or synchronization for 2 motors |

<table>
<thead>
<tr>
<th><strong>H3T</strong></th>
<th><strong>H2Z</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5.png" alt="Control" /></td>
<td><img src="image6.png" alt="Control" /></td>
</tr>
</tbody>
</table>
| **Dimensions:** 180x63x19mm  
**Number of Actuator:** 1~4  
**Number of Button:** 2, 4, 6, 8, 10  
**IP Level:** IPX4  
**LED Indicator**  
**With hook**  
**Option:** Joint movement or synchronization for 2 motors  
Work with MoBus protocol (H3T-M)  
Nurse lock | **Dimensions:** 144x54x23mm  
**Number of Actuator:** 1~2  
**Number of Button:** 2, 4, 6  
**LED Indicator**  
**With hook**  
**Option:** Joint movement for 2 motors |
<table>
<thead>
<tr>
<th>Product</th>
<th>Dimensions</th>
<th>Actuator</th>
<th>Button</th>
<th>IP Level</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP1</td>
<td>206<em>133</em>25mm</td>
<td>1</td>
<td>1~21</td>
<td>IPX6</td>
<td>MoBus, LED indicator for each button</td>
</tr>
<tr>
<td>DKP3</td>
<td>145<em>35</em>20mm</td>
<td>1</td>
<td>2, 4, 6</td>
<td>IP54/IP66</td>
<td>IP level, 3-Digit LED display (height read-out and error code)</td>
</tr>
<tr>
<td>DKP4</td>
<td>49<em>51</em>15mm</td>
<td>1</td>
<td>2</td>
<td>IP20</td>
<td>IP level, 3-Digit LED display (height read-out and error code)</td>
</tr>
<tr>
<td>HDU</td>
<td>152<em>25</em>26mm</td>
<td>1</td>
<td>2</td>
<td>IP20</td>
<td>IP level, 3-Digit LED display (height read-out and error code)</td>
</tr>
<tr>
<td>FS1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>IP66</td>
<td>Color (RAL7035 or black)</td>
</tr>
<tr>
<td>FS2</td>
<td>1~3</td>
<td>1</td>
<td>2, 4, 6</td>
<td>IP54/IP66</td>
<td>LED indicator, Single/double/triple version</td>
</tr>
</tbody>
</table>
Control work without control box

**HB**
- Dimensions: 158*55*22mm
- Number of Actuator: 1
- Number of Button: 2
- With hook
- LED indicator (green)
- Option: Safety key

**H2G**
- Dimensions: 110*47*24mm
- Number of Actuator: 1~2
- Number of Buttons: 2, 4
- Certificate: EN55014-1, EN55014-2, IEC61000-4
- With hook
- LED indicator

**H3B**
- Dimensions: 110*50*26mm
- Number of Actuator: 2
- Number of Button: 6
- Joint movement for 2 motors
- With hook

**HS01**
- Input: 29V DC
- Number of Actuator: 2
- Number of Button: 4
- IP Level: IPX1

**HS02**
- Input: 29V DC
- Number of Actuator: 1
- Number of Button: 2

**HZ01**
- Input: 29V DC
- Number of Actuator: 2
- Number of Button: 4
- Option: USB port for charging
- Button texture (matte or glossy)
**HZ02**
Input: 29V DC
Number of Actuator: 1
Number of Button: 2

**HZ03**
Input: 29V DC
Number of Actuator: 1
Number of Button: 2
Option: Button texture (matte or glossy)

**HZ04**
Input: 29V DC
Number of Actuator: 1
Number of Button: 2
Option: USB port for charging

**HZ05**
Input: 29V DC
Number of Actuator: 1
Number of Button: 2
Option: USB port for charging

**HZ06**
Input: 29V DC
Number of Actuator: 1
Number of Button: 2

**TPSG**
Input: 29V DC
Number of Actuator: 1
2-button touch key
### Wireless Control 2.4G RF

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Number of Actuator</th>
<th>Number of Button</th>
<th>Battery</th>
<th>LED Indicator</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TXC</strong></td>
<td>165<em>48</em>18mm</td>
<td>2~3</td>
<td>5, 7, 9</td>
<td>AAA*3</td>
<td>With hook</td>
<td>Joint movement for 2 motors</td>
</tr>
<tr>
<td><strong>TXH</strong></td>
<td>158<em>51</em>25mm</td>
<td>1~3</td>
<td>2, 4, 6, 8, 9, 14</td>
<td>AAA*2</td>
<td>Memory function (TXH4)</td>
<td>Joint movement for 2 motors</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Massage function (THX5)</td>
<td></td>
</tr>
<tr>
<td><strong>TXT</strong></td>
<td>160<em>57</em>23mm</td>
<td>1~2</td>
<td>3, 5, 6, 7, 8, 10</td>
<td>AAA*2</td>
<td>Button backlight (green)</td>
<td>Joint movement for 2 motors</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Memory function</td>
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<td>Holder with or without hook</td>
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<td></td>
<td></td>
<td></td>
<td>Color (textured black or matt black)</td>
<td></td>
</tr>
<tr>
<td><strong>TX2T</strong></td>
<td>142<em>50</em>21mm</td>
<td>2</td>
<td>5, 7, 8, 10</td>
<td>AAA*3</td>
<td>LED torch (blue)</td>
<td>Joint movement for 2 motors</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Memory function</td>
<td>Button backlight (triggered by G-sensor and button or only button)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Holder with or without hook</td>
<td></td>
</tr>
<tr>
<td><strong>TXZ</strong></td>
<td>144<em>54</em>23mm</td>
<td>1~2</td>
<td>2, 4, 6</td>
<td>AAA*2</td>
<td>With hook</td>
<td>Joint movement for 2 motors</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LED indicator</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- **TXC:** Dimensions: 165*48*18mm
- **TXH:** Dimensions: 158*51*25mm
- **TXT:** Dimensions: 160*57*23mm
- **TX2T:** Dimensions: 142*50*21mm
- **TXZ:** Dimensions: 144*54*23mm

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