

# Control Box Direct Current 10V-36 VDC for 1 or 2 Lifting Columns or Actuators

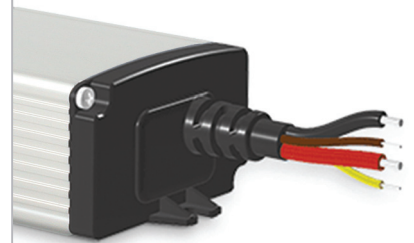
# MCB-LC2-DC

**Controlled from:**

- Movetec MCP-BLE4 Remote Control
- Smartphone iOS/Android
- Computer PC/MAC
- Cable connection



**Version for 10V to 36V DC Power source**

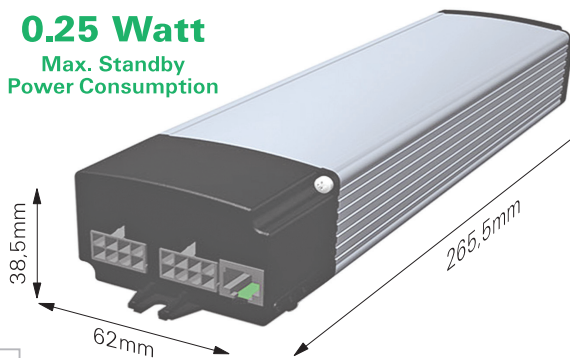


The MCB-LC2-/3-/4-DC Series is designed for connection to 10V to 36 V direct current sources.

For applications in which the power supply unit or the DC supply for the controller is only to be switched on when required, the controller has a 5 V input in addition to the input for the DC voltage. If this is supplied with 5 V, the controller outputs 5V at one output as soon as a movement is requested via the control unit. This enables the 10V-36V supply to be switched on. After completion of the movement, the signal drops out again and switches off the supply.

Both Lifting Columns or Actuators can be controlled individually.

**0.25 Watt**  
Max. Standby Power Consumption



**MCP-BLE4 Remote Control**  
With CR2032 button cell.  
Dimensions: Ø59mm/Height: 6.2mm

## DC Control Box MCB-LC2-DC

Controlled via remote control, Smartphone, PC/Mac or cable connection. For 1 or 2 lifting columns or actuators.

MCB-LC2-DC is a control box specially designed for use with height-adjustable worktables/workspaces. It is also suitable and configured for all types of industrial and medical applications. The new control boxes are based on the latest circuit topographies and components. The aluminium casing provides optimal heat conduction and therefore dependable uptime. Bluetooth® option integrated inside the casing enables remote control via a smartphone (iOS/Android®), PC or Movetec BLE4 remote control device. The bus system supports easy configuration. You can synchronise up to 4 control boxes. Using the integral NFC option, MCB-LC2-DC can be configured even without removing it from the packaging.

**Plug & Play:** MCB-LC2-DC is a Plug & Play control box, supplied with all required cables. It can be supplied as part of a complete set, with your choice of remote control devices, tailor-made lifting columns or actuators.

**Specifications:**

Casing, plugs, sockets, cable: Aluminium, PC, ABS, PVC, PP, PE & more.

**Technical data:**

Control box capacity, number of lifting columns/actuators: 1 or 2  
 Applications: Suitable for all Movetec lifting columns and actuators  
 Cascade/synchronous operation: Yes, up to 8 lifting columns/actuators  
 Synchronisation: Via modus  
 Bluetooth®: Radio standard BLE4.0 (option)  
 Max. load: 300 W/ Continuous operation; up to 100 W total load  
 Input supply voltage: 10V-36V DC, Input supply current: 15 A  
 Output voltage: 80% of input supply voltage  
 Output current: 15 A total/Max. current per channel: 9A  
 Plugs and sockets for lifting columns and actuators: Molex 8-pole  
 Plugs and sockets for control panel devices: RJ12  
 Hall sensor compatible: Yes  
 Standby power consumption: 80 mW (by 12V), 180mW (by 24V)  
 Dimensions (L x W x H): 265 x 62 x 38.5 mm  
 Memory positions: Yes, depending on the control panel device  
 Collision protection/anti-collision system, low-speed zone: Yes  
 Operating temperature range: +5° to +45° C  
 IP protection class: IP20. Class II/double-insulated electrical appliance  
 Optional safety zone and sensor connection: Yes  
 Stop conditions configurable, end-stop contact: Yes  
**Option:** Additional functions (e.g. records position, go-to-position, etc., depending on control panel vers. and prog./software). Bluetooth®.

# Control Box Direct Current 10V-36 VDC

for 1 or 2 Lifting Columns or Actuators

# MCB-LC2-DC

DIN 7981C / 4.2 / 13

39,5

62

31

1m

247,5

257,1

265,5

DIN 7981C / 4.2 / 13

257,1

This drawing shows the end of the Control Box, where Control panel, Lifting Columns or Actuators are connected.

1, Motor 1  
2, Motor 2  
3, Motor 3 (only MCB-LC3-DC and MCB-LC4-DC)  
4, Motor 4 (only MCB-LC4-DC)  
5, Control Panel/elements- and Bus connection

Motor connections:  
A Motor connection 1  
B Hall sensor 1  
C Earth connection  
D Hall sensor +5V  
E Option 2  
F Option 1  
G Hall sensor 2  
H Motor connection 2

Bus connections:  
9 +5V output  
10 RS 485 A  
11 RS 485 B  
12 +5V input  
13 Analogue control elements  
14 Earth connection

Controller connections:  
A  
B  
C  
D  
E  
F  
G  
H  
9  
10  
11  
12  
13  
14

Option: MCP-BLE4 remote control panel.  
Radio standard: Bluetooth® BLE 4.0, range: about 100 m (in an open environment)

### RJ12 and Molex plugs and sockets:

RJ12 Socket    RJ12 Plug    Molex Socket    Molex Plug

MCB-LC2-DC connections: RJ 12 sockets for all control panel devices and connection to the primary control box. Molex sockets for all lifting columns and actuators.

### Control panels, lifting columns and actuators:

MCB-LC2-DC can be used with various Movetec control panel devices and all Movetec lifting columns and actuators. An MCB-LC2-DC control box can be programmed to operate in customer-specific applications and functions. Together, we can develop a solution that matches specific customer requirements and wishes: Call us on +45 64 89 28 05.

### CAD drawings:

You can download 3D drawings (STEP data) for MCB-LC2-DC either for use with CAD software or as PDF files from our website.

### Manuals, installation instructions, authorisations, safety information, etc.:

Declaration of compliance, fitting and installation instructions, warnings, video guidelines and other information material are available from our website: [www.movetec.dk](http://www.movetec.dk).

Further information → [www.movetec.dk](http://www.movetec.dk)

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