



PJ2  
Data sheet

# PJ2

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The LINAK® Port Junction Box PJ2 offers two extra outputs for the COXX control box series. Standardised technology, interfaces and compatibility like the new COXX control boxes.

The PJ2 for LINAK actuators is intended for the control of, for instance, hospital bed and surgery tables movement.

With the PJ2, IPX6 Washable DURA™ protection and a battery port are standard options. The entire product platform supports the LINAK principle "One World – One box" – worldwide operable and applicable.



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## Features and options

- Power supply: From COXX, PCP 2.0 only  
Defined by PCP (17 VDC to 50 VDC)
- Bus system: LINbus
- LED indicator: No
- Actuator interface: 2 channel, 6 pin Mini-Fit
- Hand control interface: No
- Battery interface: Via PCP 2.0 port, 4 pin Mini-Fit
- Standby power: Approx. 0.5 W
- Colour: Light grey (RAL 7035)
- Output short-circuit protected: Yes
- Control concept: FET (no relay noise)
- Power supply circuit method: Full-bridge
- Duty cycle: 10 % - 2/18 min. on/off continuous use
- Weight: Low weight 0.3 kg
- Actuator compatibility: Actuators with signal, feedback by hall and potentiometer
- Battery charger: No charger, but supports battery with internal charger
- EOP: Yes
- Flammability rating: V-0, PP (chemical resistant sealed-for-life housing)
- IP-Rating: IPX6 Washable DURA™
- Operation: Simultaneous
- Max current: 10 A/CH

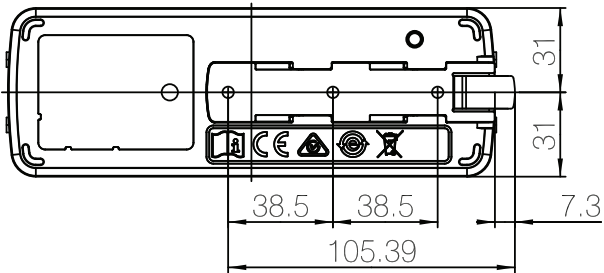
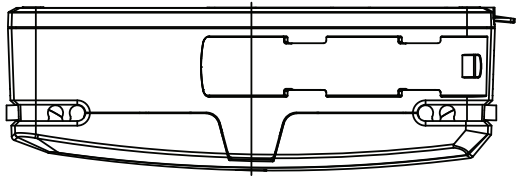
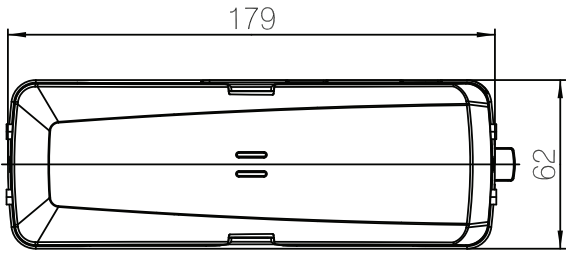
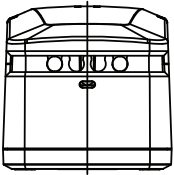
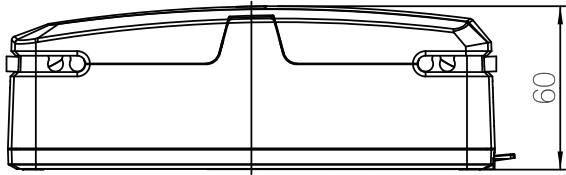
- Power management: High speed at low loads and/or high loads at a lower speed
- Overload protection: The PJ2 reduces the output voltages to prevent overload
- Safety system: Thermally protected  
Short-circuit protected  
Hot-plugging protected
- Compatibility with actuators with hand crank: Not possible
- Cable lock: Integrated in lid
- Mounting: Compatible with a wide range of mounting brackets
- PCP port: PCP 2.0, 4 pin Mini-Fit

## Usage

- Operating temperature: +5 °C to +40 °C
- Storage temperature: -10 °C to +50 °C
- Relative humidity: 20% - 90% at 30 °C – not condensing
- Atmospheric pressure: 700 to 1060 hPa
- Meters above sea level: Max 2000 meters
- Approvals (pending): IEC60601-1  
ANSI/AAMI ES60601-1  
CSA CAN/CSA-C22.2 NO. 60601-1

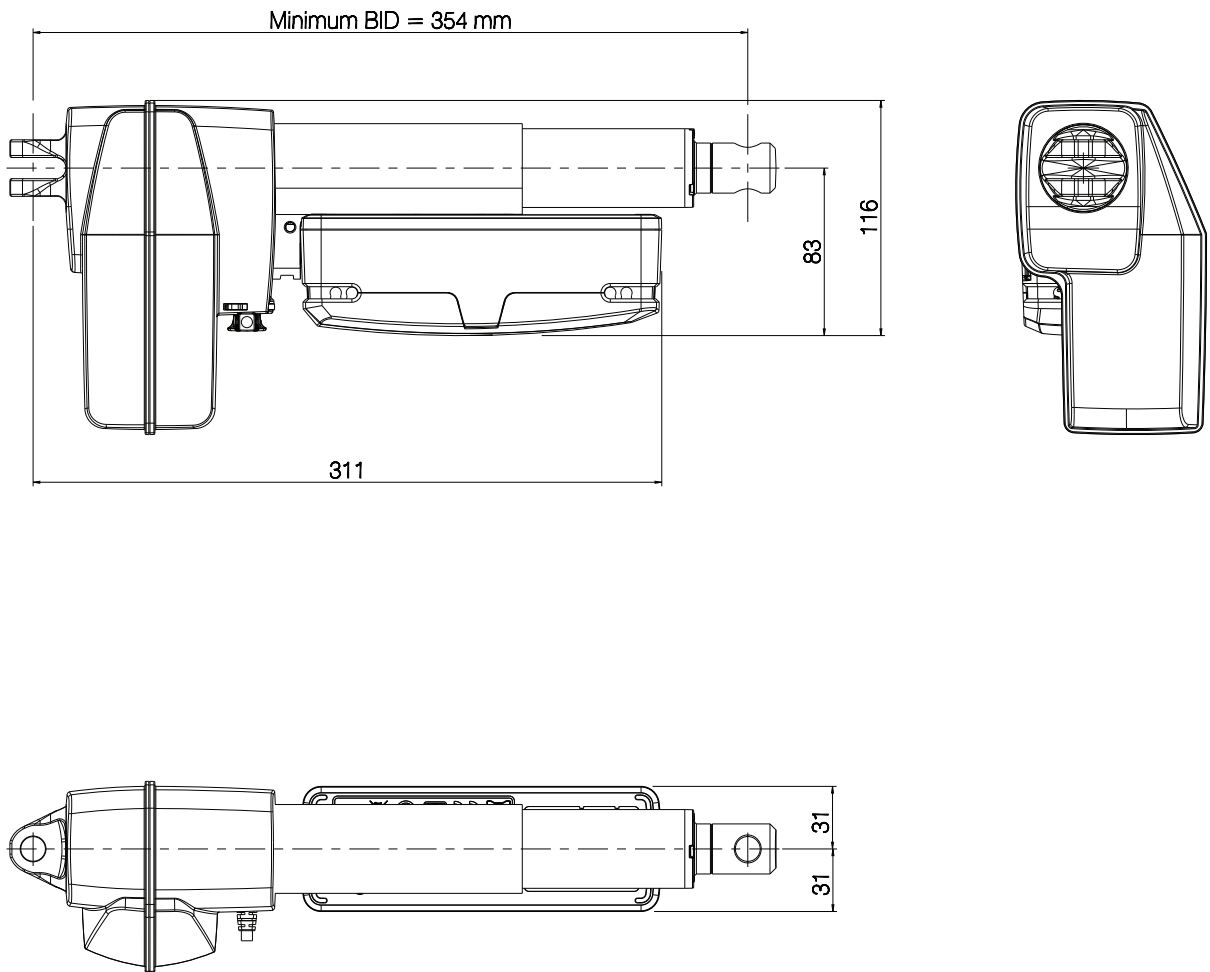


Dimension drawings  
PJ2



### Installation dimensions

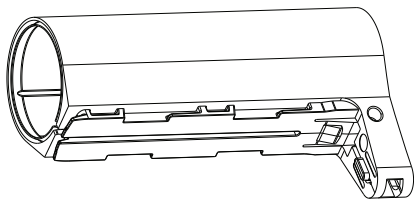
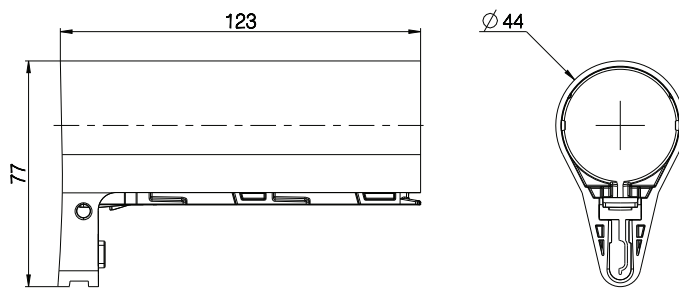
Example of PJ2 mounted on LA40:



Drawing No.1038w4002

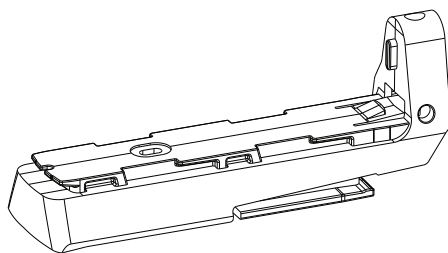
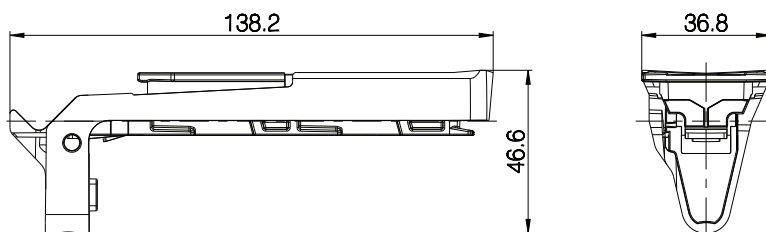
## Mounting brackets

For mounting with LA40 (Article No.: 1015W1002)



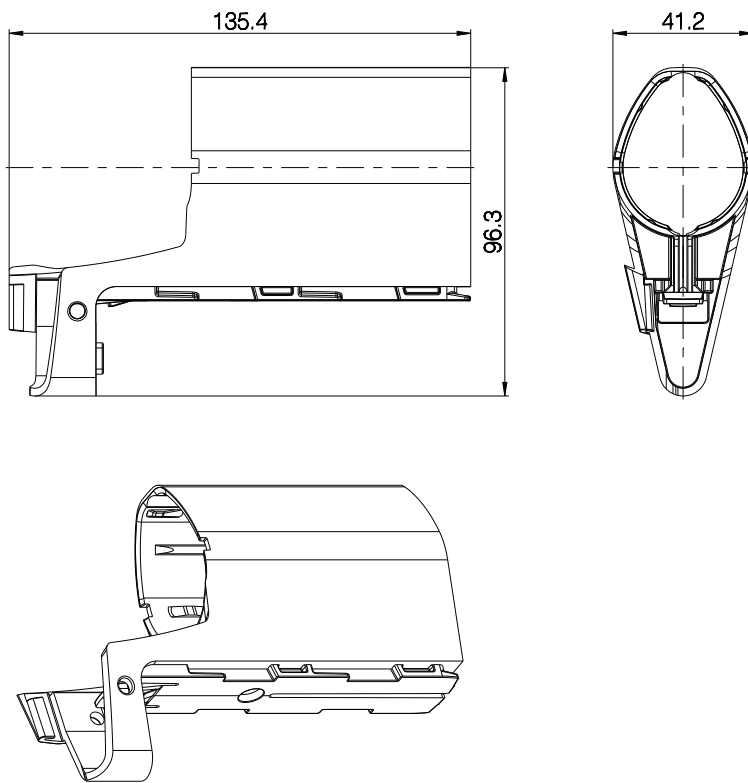
Drawing No.: 1015W4002

For mounting with LA31 (Article No.: 1015W1004):



Drawing No.: 1015W4004

For mounting with LA27 (Article No.: 1015W9003):



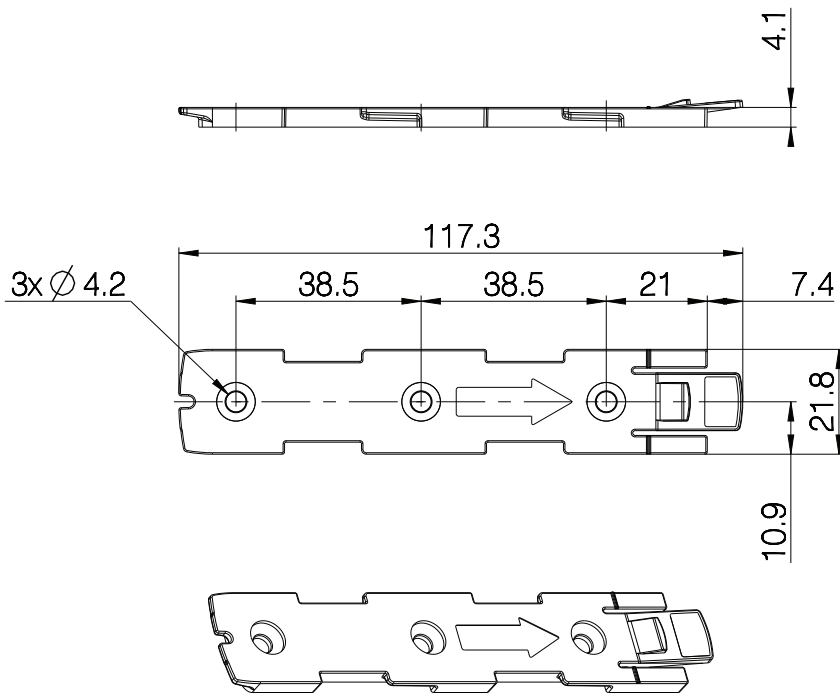
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The adapter 1015W9003 includes a screw that is halfway mounted, thus everything as one part.

Screw head torx size: T15

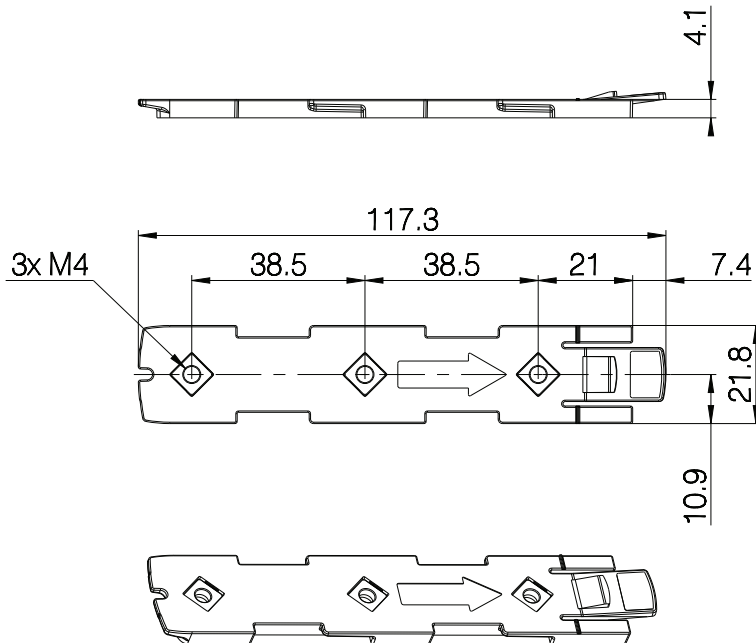
Screw torque:  $1.2 \pm 0.2$  Nm

Mounting bracket (frame flat) - article No. 1015W1001:



Drawing No.: 1015W4001

Mounting bracket (frame flat) w/M4 nuts - article No. 1015W9009:



Drawing No.: 1015W4009

It is recommended that the PJ2 is mounted in a position that allows water to escape.

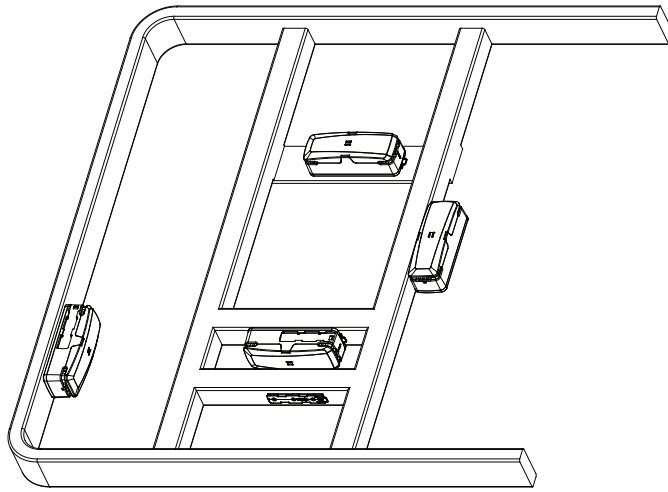
Recommended torque: 0.6Nm +/-0.1

The bracket can be mounted to the bed frame or any other application by following one of the following mounting procedures:

- M5 machine screw with flat washer to be fixed through bracket with nut on the rear side
- Self-tapping screw to be placed through bracket and onto the frame



Mounted on frame



Drawing No.: 1038W4003

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