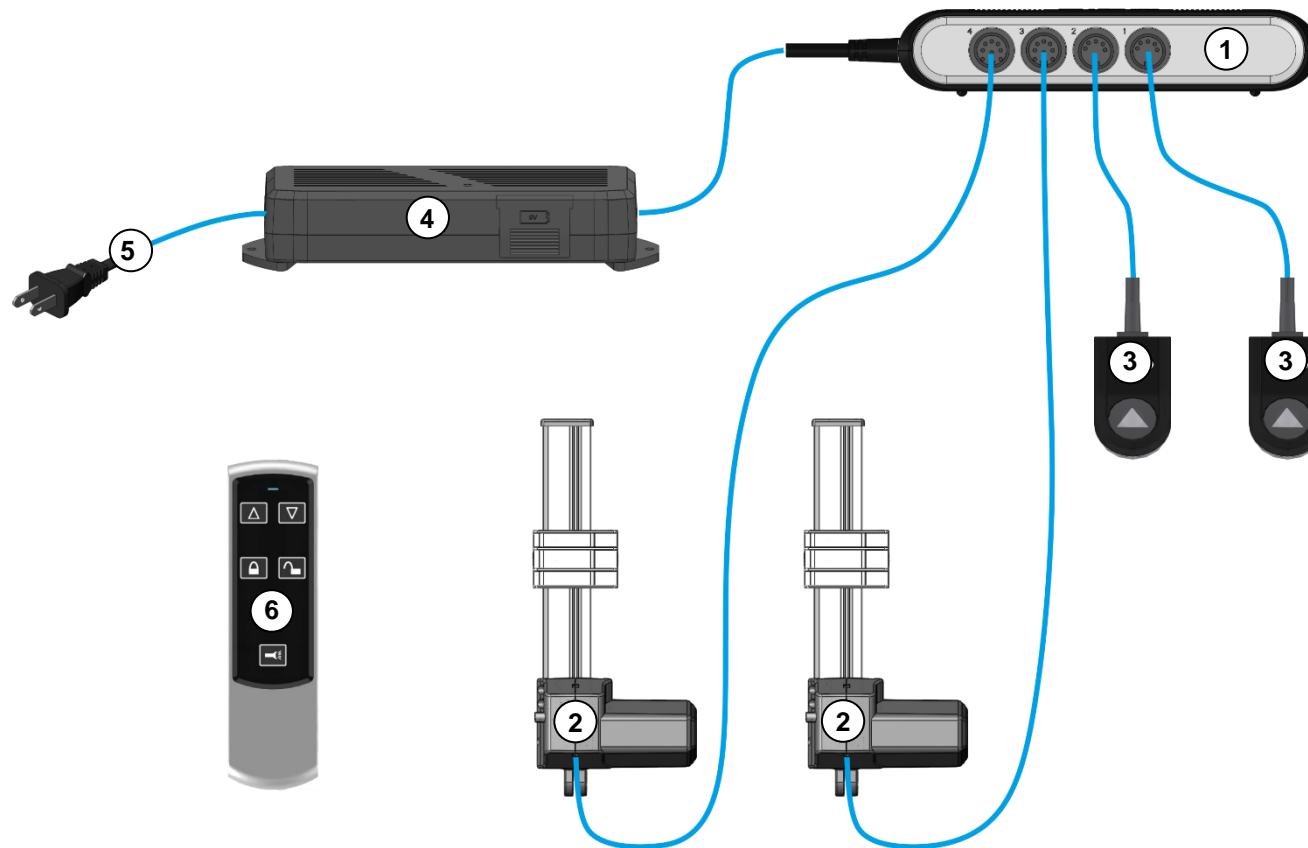


System overview: CU165 / BETADRIVE BZ / PD21 / RF-TOPLINE

CAUTION! Electrical components should be connected or disconnected only when the power supply cord is unplugged.

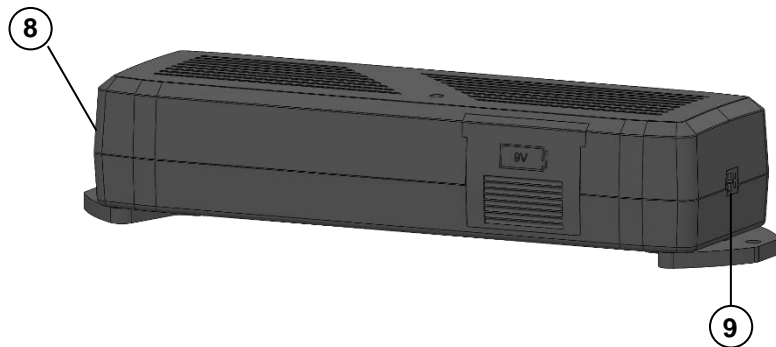
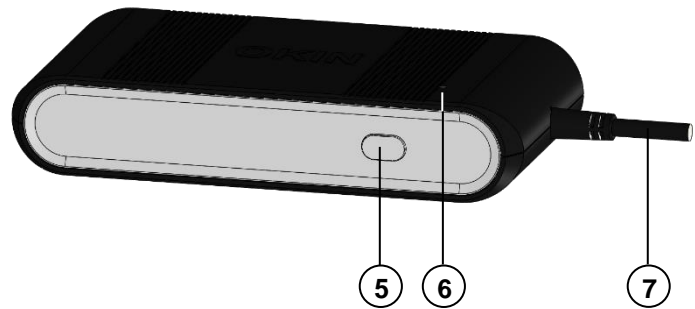
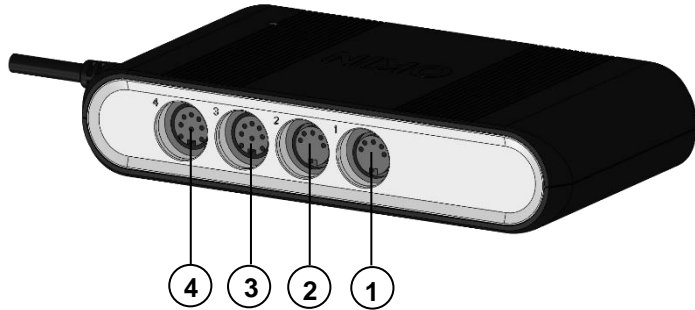
CAUTION! There is a delay after the supply voltage is applied before the device actually turns on. Wait at least two seconds before beginning the commissioning.



Components that can be connected:

1. CU165
2. BETADRIVE BZ
3. MOTION ASSIST
4. POWER SUPPLY PD21
5. Mains power cord: US Version
6. RF-TOPLINE

CU165



Connection ports and functions

1. Connection for MOTION ASSIST (M1)
2. Connection for MOTION ASSIST (M2)
3. Connection for M1 (BETADRIVE BZ)
4. Connection for M2 (BETADRIVE BZ)
5. Pairing button
6. Pairing LED
7. Connection to (POWER SUPPLY PD21)

Technical specifications

Input voltage	29 V DC
Current consumption	max. 4.00 A
Mode of operation	Duty cycle 2 min / 18 min.
Protection class	III
Protection degree	IP20
Length x width x height	165 x 86 x 32 mm

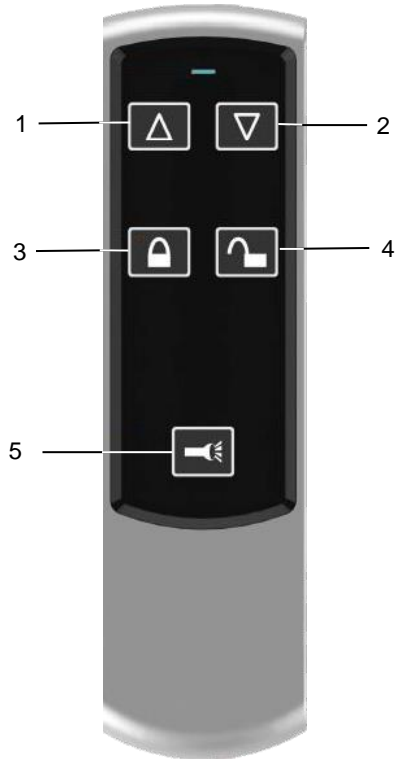
Connection ports and functions

8. Connection to mains power
9. Connection socket for CU165

Technical specifications

Input voltage	100 - 240 V AC
Frequency	50/60 Hz
Output voltage	29 V DC
Standby	≤ 0,5 W
Protection class	II
Protection degree	IP20
Length x width x height	215 x 61 x 43 mm






RF-TOPLINE



Button	Function
1	Drives up
2	Drives down
3	MOTION ASSIT locked
4	MOTION ASSIT unlocked
5	Flashlight on/off

Description of button

Note: By pressing the buttons, the lights lit.



-  **Drives up:** By pressing the button, all drives automatically move to the upper end position.
-  **Drives down:** By pressing the button, all drives automatically move to the lower end position.
-  **Button locked:** By pressing the button, all MOTION ASSIST handsets are locked.
-  **Button unlocked:** By pressing the button, all MOTION ASSIST handsets are unlocked.
-  **Flashlight on/off:** The flashlight is on as long as this button is pressed.

Note: By pressing a button on the RF-TOPLINE during the automatic movement, all drives stops.

MOTION ASSIST

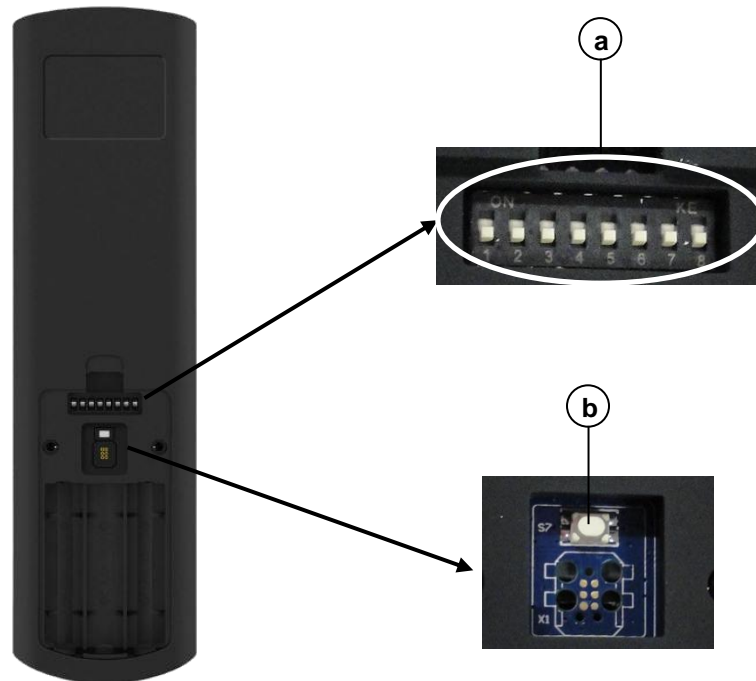


Description of button

-  **Drive up:** The drive move as long as this button is pressed.
-  **Drive down:** The drive move as long as this button is pressed.

Note: By pressing a button on the MOTION ASSIST during the automatic movement, the associated drive stops.

RF-TOPLINE



Teach in for the RF-TOPLINE

Connect the CU165 system to the power supply.

- Remove the batteries from the battery compartment of the RF-TOPLINE.
- Select the positions (2 to 8) of the DIP switches (a).
Note: The DIP switch at position 1 is not relevant for the setting.
- Insert the batteries back to the RF-TOPLINE, the radio transmission channel is adjusted.
- Quickly press the **Pairing button** twice on the CU165 (**button 5**), the pairing LED will illuminate. The CU165 is now in pairing mode for 60 seconds.
- Press the **pairing button (b)** in the battery compartment of the RF-TOPLINE.
- The LED on the CU165 will switch off after the teach-in process is finished. The system is ready for operation.

Danger of pinching/crushing injuries!

There is a danger of being crushed when the position is changed. This is particularly true when there is no mechanism guarding against crushing injuries. However, crushing injuries may even occur in exceptional cases when a safety guard is installed. Make sure that there are no persons within the danger zone and that nobody reaches into the danger zone.

Safety notices

The CU165 system can be used by children of 8 years and older, persons with reduced physical, sensory or mental capabilities, or persons with lack of experience or knowledge when they are supervised or instructed concerning the safe use of the device and when they understand the resulting risks. Do not allow children to play with this device. The cleaning and user maintenance must not be carried out by children without supervision.

It may only be used for applications where unintended motion cannot lead to damage.

It may only be used in dry rooms.

CAUTION

The user has to make sure that there are no persons within the danger zone and has to make sure that this does not happen.

FCC WARNING

This device complies Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Section 15.21 Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC Compliance Notice

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The distance between user and products should be more than 20cm
la distance entre l'utilisateur et les produits devraient être plus de 20 cm