

PENNER MANUFACTURING

Patient Chair Transfer/Lift System

Safe Operation & Daily Maintenance Instructions




PENNER MANUFACTURING INC

394750 Revision A 08/02/05

1-866-PENNERS 1-866-736-6377

1-800-732-0717

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Transfer Technical Description

Manufacturer: Penner Manufacturing Inc
102 Grant St / PO Box 503
Aurora, NE 68818
(402) 694-5003

Pacific Chair Transfer Models:

Model # 393000-1 Transfer Electric Pacific Chair
Model # 394000-1 Transfer Electric Pacific Chair With Scale

Transfer Ratings 28 Volts DC (Rechargeable)
5.2 Amps
400 Lbs. Maximum Capacity
Duty: 10% Int.; 1 min on / 9 min off
16 inches Minimum clearance from floor
39 ½" inches Maximum clearance from floor
(Note: There is a 2" (two inch) adjustment to these clearances)

AC Adapter 120 Volts AC Input – 28 Volts Output (for charging only)
Transfer Charger Input – AC Adapter
Rating: .5 Amps

Transfer Technical Description

The Pacific Transfer/Lift System is used with Aqua-Aire (air bubbling) bathing system intended for use in nursing homes, hospitals, and assisted living facilities to transfer or lift patients under the direct supervision of trained staff. The Transfer has two locking casters on the rear (or end with pillar). Models are equipped with Scale. All Transfers have Swing-away and removable arms. All have a removable open concept seat pad that locks into position during use. A Toilet pan accessory for the seat is available from your Distributor.



WARNING

This equipment is not suitable for use in the presence of a flammable anesthetic Mixture with air or with oxygen or nitrous oxide

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Transfer Technical Description (continued)

- **Regulatory Data**

In Accordance with the Standard For Safety of Medical Electrical Equipment UL 606001-1, CSA C22.2 NO. 601.1, IEC 60601-1

UL Classification:

Class I

Internally Powered Equipment

Type B

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide.





61LN

» **MEDICAL EQUIPMENT
WITH RESPECT TO ELECTRIC SHOCK
FIRE AND MECHANICAL HAZARDS
ONLY IN ACCORDANCE WITH UL2601-1,
UL60601-1, IEC60601-1, AND CAN/CSA
C22.2 NO. 601.1**


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Safety Information and Patient Assessment for the Penner Transfer systems.

 Penner Transfer Lifts are designed and manufactured to meet or exceed the safety requirements for patient care equipment. In addition, they have been tested to insure their safety. It is important, however to know that materials can fail due to normal wear caused by use over time. Therefore before each patient transfer, it is required that the nursing staff inspect for proper operation and missing or worn parts such as belts, cushions, arms, and casters. It is also required that a qualified maintenance staff inspect the lift at least monthly for missing parts or excessive wear that might cause the transfer lift to fail. A permanent record of each inspection and repairs should be kept by the facility.

 Only personnel who have been thoroughly trained in the operation of the Penner Transfer Lift should operate this equipment. Operation of this equipment by untrained personnel could result in injury to the operator or patient. Your Penner Patient Care distributor is available at your request to provide complete in-service training on the equipment's proper operation.

Patient Assessment for the Penner Transfer Lifts.

 Before using the Penner Transfer Lift, patients must be assessed by The facility's professional nursing or professional rehabilitation staff to determine which patients are suitable for transfer, which type of Transfer Lift to use, and the number of staff members necessary to transfer each patient. Although one person can perform patient transfers, certain patients or situations may require the help of one or more additional staff members. For example, patients with unpredictable behavior due to dementia may require additional help if their behavior poses risk of injury to themselves or to staff members, patients being transported in the Penner Transfer Lift with or without scale outside of the patient's room. The above Information must be recorded in the patient's record and must be communicated to the staff.

Penner Transfer Lift Criteria

The patient Must:

- a. Have no injuries or medical conditions that might be aggravated by the Penner Transfer Lift procedure.
- b. Weight less than 400 pounds.
- c. Be able to follow simple directions.
- d. Be able to sit upright or restrained by the optional Chest Belt.
- e. Evaluated for safety of extremities that are rigid or any problem he or she has that could cause injury or conflict with the safe operation of the Penner Transfer System.

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Introduction

- The Pacific Patient Transfer Chair Lift is designed to significantly improve the efficiency and environmental safety of your nursing care operation. However, the benefits designed into the Transfer Lift will be realized only if the Transfer Lift is operated and cared for properly. The purpose of this manual is to provide you with a recommended procedure to help you obtain the maximum efficiency and safety from your Transfer Lift.

- **Symbols and Term**

 **WARNING**

The warning symbol identifies important safety messages. Failure to obey a safety warning may result in injury to you or to others.

- **CAUTION**

The caution heading identifies important maintenance and operation information. Failure to obey a caution warning may result in damage to the Penner Transfer Lift and may void the warranty.

- **Left or Right**

When the terms “left” or “right” are used with reference to the tub, this means left or right as you look at the control panel from the seat end of the tub. On the Transfer Lift, “left” or “right” is as the resident sits.

System Preparation (Before Transferring or Lifting)



WARNING

Only personnel who have been thoroughly trained in the operation of the Pacific Transfer Chair Lift should operate this equipment. Operation of this equipment by untrained personnel could result in injury to the operator or patient. Your Penner Patient Care Distributor is available at your request to provide complete in service training on the equipment's proper operation.

Transferring from Bed to Bath, and/or Lifting

You are now ready to prepare for transferring the resident from the bed to the bath.

1. Install the seat pad by inserting the locator tabs on the bottom of the seat into the chair frame slots then swing the chair down onto the frame.
2. Insure the Transfer seat is securely placed in position on the chair, and cannot move out of place.



WARNING

Failure to ensure that the Penner Transfer seat is secured to the Penner Transfer chair before the resident is transferred, could result in injury to the operator or patient.

3. The arm and back rest of the Penner Transfer chair can swing upwards and back, or be removed to provide a variety of options in providing care.



System Preparation (Before Transferring or Lifting) continued

4. Push the Penner Transfer to the resident's bed and position it for a normal bed-to-wheel chair transfer.
5. Lock the brakes by stepping down on the lock-arm tab located on the back of the rear casters as shown in the locked position.
6. Unlock the caster by lifting up on the lock-arm tab.



WARNING

Failure to lock the caster brakes before the resident is transferred, could result in injury to the operator or patient.

Belting Technique with the Penner Transfer Lift

7. Transfer the resident into the Penner Transfer chair using the proper Nursing transfer techniques.
8. Route the belt through the belt loops of the chair frame prior to placing the Resident into the chair. With resident in the chair, route the belt around the resident and through the center strap, then secure with the "D" ring connector as shown to the right.



WARNING

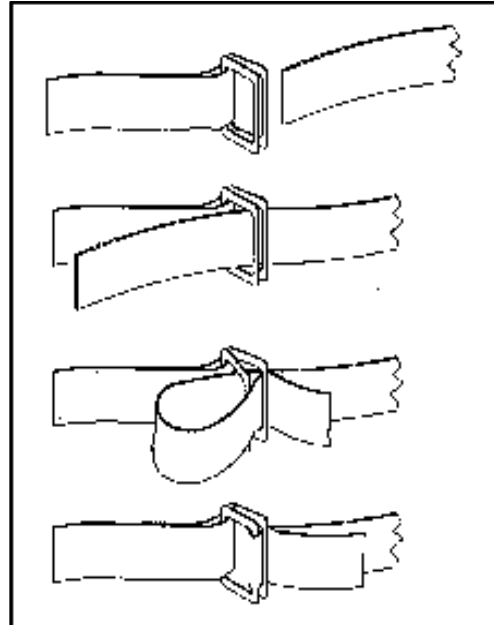
Failure to secure the resident properly with the seat belt could result in injury to the resident or operator.

WARNING

Push the "**RED EMERGENCY STOP BUTTON**" at any time, if needed, while raising or lowering the Pacific Chair Transfer Lift. Failure to do so could result in injury to the resident or operator.

Belting Technique with the Penner Transfer System continued

9. Connect the belt to the D-ring as shown at the right.
- Use the technique as shown at the right.
 - Adjust the belt to insure safety while transporting.
 - For residents who are unable to support themselves in an upright position, Penner offers an optional second belt, which allows you to secure the resident in an upright position by means of a chest belt. The chest belt should be placed across the chest of the resident and around chair frame as shown and secured in the same manner as described above. This chest belt is available through your Penner Distributor.



WARNING

Failure to insure hands, arms and legs are clear of any objects when transporting or lifting could result in injury to the resident or operator. Push the emergency stop button, on the Control unit shown on page 11, at any time during raising and lowering of the resident.



10. Unlock the caster brakes and push the resident to the bathing area, being careful to avoid objects in the hallways or uneven floors.
11. If the Residents feet are touching the floor, raise the lift until they clear the floor. Always transport in the lowest position.



WARNING

Failure to transport in the lowest position with residents feet clearing the floor could result in injury to the resident or operator.

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Penner Transfer Procedure (continued)

12. At the bathing area, position the Penner Transfer near the appropriate access of the tub. With a end access Transfer, position it near the end. With The Side access transfers, position it near the correct side.
13. With Resident properly secured with belting, raise the Transfer to the appropriate height to clear the top of the tub. Slowly move the transfer to a position to place the residents feet into the tub. Carefully lift the resident's legs over the side of the tub and position the resident to face the service deck of the tub. Position the Transfer chair in the center of the tub and as far forward as it will go.
14. Once the Transfer is in the correct position to lower the resident into the tub, lock the casters, ensure the residents hands, arms, and legs are all clear. Monitor the water temperature by allowing the water to run over your wrist prior to lowering the resident.
15. Press the down "DN" button to lower the resident into the water. Gently guide the patient's legs into the foot well at the bottom of the tub. Press the "Red Emergency Button" to stop the transfer if needed anytime during raising or lowering.
16. Follow the Bathing Procedure as outlined in your Safe Operation & Maintenance Instructions that was included with your Tub. If you do not have this manual, one may be acquired through your Penner Patient Care Distributor.
17. Ensure the residents hands, arms, and legs are clear before raising. Push the up button to raise the resident out of the water, stopping when the bottom of the seat is at the tub rim height.
18. You may now rinse the residents body with the shower sprayer.
19. Pat the resident dry with a soft towel. No rubbing is necessary.
20. Use the towel to dry and clean the underside of the chair. This will prevent water from dripping on the floor and residue buildup under the seat.

CAUTION Not clearing the edge of the tub when raising or lowering the Transfer, could cause damaged that may not be covered in the warranty.



WARNING

Failure to ensure that the residents feet are going into the foot-well instead of under the seat, could cause injury to the resident.

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Penner Transfer Procedure (continued)



WARNING

When using a Height Adjustable Bathing System in conjunction with the Pacific Chair / Transfer Lift, caution must be used when raising and lowering either unit together. Do not raise or lower the Height Adjustable System without consideration of raising and lowering the Pacific Chair Transfer. Failure to take these precautions could result in injury to the operator or Patient. Failure to take these precautions could also result in damage to either the Pacific tub and/or the Pacific Chair / Transfer Lift.

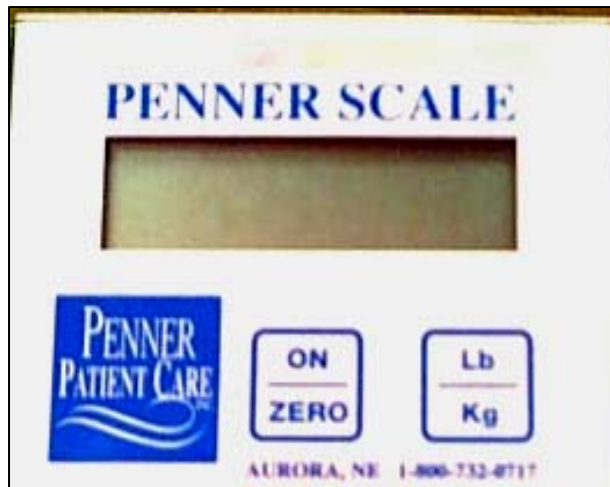
21. Before raising the Bathing System, if applicable, ensure that all limbs are inside the Chair so that the limbs don't get pinched between the tub rim and the bottom of the Chair frame. If height adjustable Bathing System, always be aware of the height of the Chair/Transfer Lift to ensure they do not hit each other or that objects get caught between the tub rim and the bottom of the Chair frame.
22. Before you move the Transfer away from the tub, make sure the lower extremities have been towel dried so the bath room floor stays dry. Insure the Transfer Is raised high enough to clear the tub rim. You may now unlock the casters. You may now move the transfer away from the tub, ensuring the resident is still
23. Once the Transfer is clear of the tub, lower the Transfer to the transport position and push the resident back to their area.
24. Position the Penner Transfer for a transfer back to bed or to another chair. Lock the casters.
25. Release the seat belts from around the resident and transfer the resident using proper nursing techniques and assistance if required.
26. Once the Transfer is clear of the tub, lower the Transfer to the Transport position (lowest position) and transfer the resident.
27. Position the Penner Transfer for a transfer back to bed or to another chair. Lock the casters.
28. Release the seat belts from around the resident. Arms may be swung away or removed as needed. Transfer the resident using proper nursing techniques and assistance if required.



WARNING

The battery of the transfer should be charged daily. In the event the battery expires during lifting, depress the emergency lowering button located at the bottom of the charging unit on the transfer, as shown on page 12.

Weighing Procedure



1. Before seating the resident in the chair, ensure all the pads and belts are on the chair.
2. Press the “ON / ZERO” button once to turn on. Press again to zero.
3. The scale weighs in increments of ½ Lb. accuracy +/- 1 Lb.
4. The indicator should show “0” . This should only need to be done once a day or when the seat empty indicates anything other than zero.
5. If indicator reads anything other than zero, start over and zero again. If it does not read “0” the scale may need to be recalibrated. (Note) Negative weights are indicated by the the weight flashing on and off.
6. Pressing the Penner Patient Care Logo is the recall button, recalls the last weight which was “Held”.
7. Press the “Lb./Kg.” button and hold to convert to Lb. or Kg.
8. Once the patient is in the seat, ensure that the arms, legs, or feet are not touching anything. This would give an inaccurate reading.
9. After the resident is stabilized, the scale indicates “HOLD”, a reading of the weight may now be taken.
10. The next resident may then be weighed providing the seat and belts are still in place.
11. The battery for the Scale read out is located in the bottom of the read out. There are four AA batteries.

Refer to the enclosed Technical Manual (page 13) provided by Magnetic for the following:

- a. For general arrangement
- b. Safety Compliance
- c. Installation of the accumulator pack or charging unit.
- d. Connecting Hand control, connecting the motors, cleaning, maintenance, Technical Data, and troubleshooting.

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Operating Controls Penner Transfer System



Control Unit- Transfer.

Emergency Stop Button
Stops operation any time.

Wall Charging Unit-

Mounts on the wall for easy charging of batteries.

Control Unit

(bottom view)

Pillar Actuator, Battery, and Hand Control plugs in here.

Emergency Lowering Button-

If lift were to fail in up position, it may be lowered by depressing this button.

Transfer Battery (two each)

Sets into top of Control Unit. Must be charged Daily on wall charger.

Hand Control

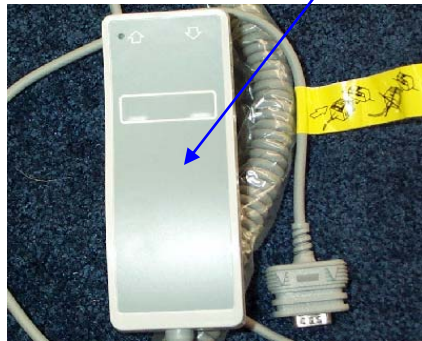
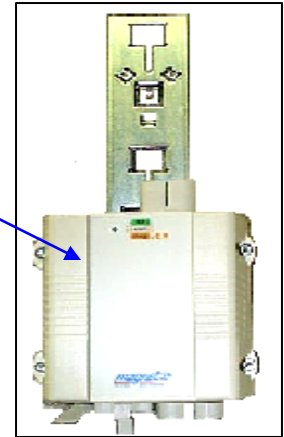
To raise or lower system. Plugs into Control Unit.

AC Adapter-

For wall charging unit, however can be used on the Control Unit of the Transfer for charging only.

Caution-

The Transfer Lift is intended to be operated by internal power only. The Transfer becomes less mobile when AC adapter is plugged into the Control Unit instead of Wall Charger.



WARNING

If any part of the Transfer system is not functioning properly, cease all transferring activities until the problem is corrected by maintenance. The system must be maintained on a scheduled basis to ensure it is functioning properly. Failure to heed these precautions could result in injury to the operator or resident.

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MOBILETTE control unit

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Installation, Accumulator Pack	page 2
Connecting the Handswitch, Connecting the Motors, Cleaning, Maintenance, Technical Data,	page 3
Troubleshooting	page 4

Reference Standards:

EN 60601-1
EN ISO 10535
UL 2601

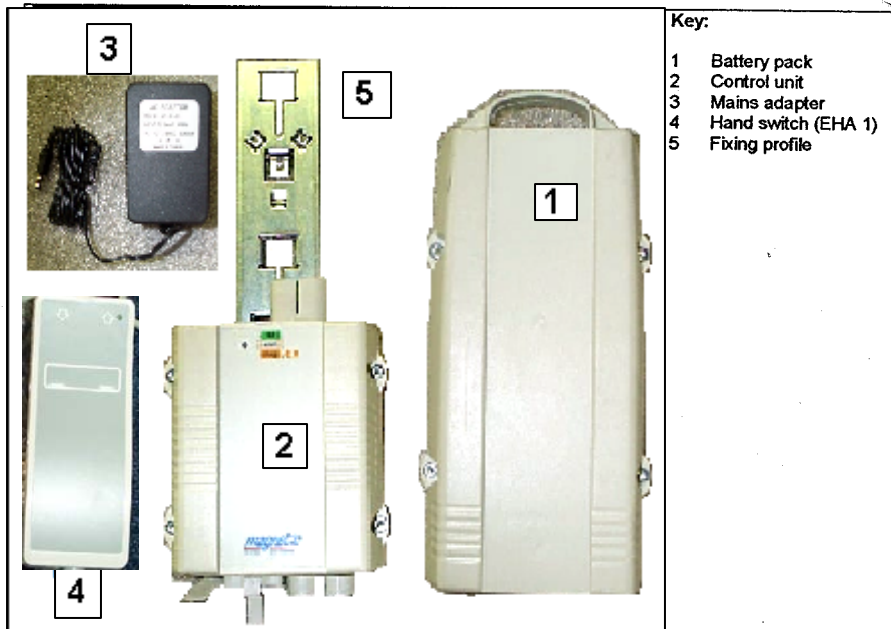
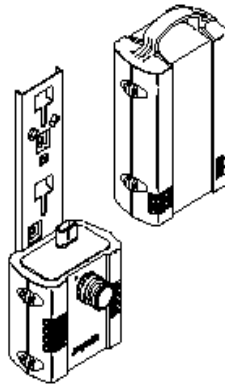


Fig. 0 General Arrangement

Subject to modifications in the interests of technical progress



Technical Instructions

MOBILETTE MCU Mobile control unit for DC linear actuators

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Applied standards:

EN 60601-1
EN 60601-1-2
EN ISO 10535
UL 2601

Magnetic Elektromoten AG
Oristalstrasse 97
CH-4410 Liestal

531e2931_0101

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1 General

1.1 Using the Technical Instructions

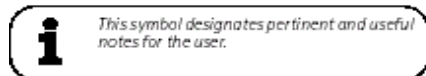
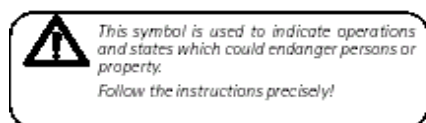
The Technical Instructions are intended for designers who use the Mobilette in their products, and for engineers who work with the Mobilette. The Technical Instructions contain all relevant information on this Magnetic product. We reserve the right to make changes which are in the interest of technical progress.

Please read the Technical Instructions carefully and, above all, pay careful attention to the Safety Instructions.

The Technical Instructions can be used for drawing up the User Manual for the end product.

1.2 Explanation of symbols

The symbols opposite are used in the Technical Instructions to highlight possible dangers and important notes.



2 Function

The MOBILETTE control unit (MCU) is used for the mains-independent control of 24V DC actuators. A distinction is made between two versions:

The MCU1 is connected to the mains voltage using a mains adapter. Protection class IPx4 applies to the MCU1.

The MCU8 (MCU4) is connected directly to the 230V (120V) mains supply, which is transformed to 24 V DC via an integrated transformer. This component is subject to protection class IPx3.

This battery pack consists of 2 batteries connected in series, each of 12 V 4.5 Ah, resulting in a total of 24 V. The charged battery pack can be used to power the control unit and thus the actuator. Operation is via a connected control device, e.g. a handswitch.

An integrated current cut-off protects the actuator from overloading.

An integrated „EMERGENCY STOP“ function can be used to cut off the power supply to the actuator, so that it immediately stops moving.

2.1 Correct usage

The Mobilette has been designed for mobile applications in the medical field, particularly for patient lifts. The Mobilette is used to control the following Magnetic actuators

- § Matrix MAX10 / MAX30
- § Telemag THG / TLG

Other applications must be approved by Magnetic AG, Liestal.

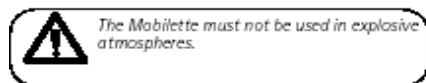
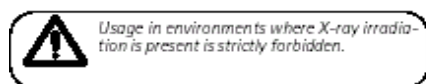
2.2 Ambient conditions



Operation:

- Temperature 10°C to 40°C
- Humidity max. 85%

Storage / transport:

- Temperature -20°C to 60°C
- Humidity max. 95%



-  The Mobilette is only suitable for indoor use.
-  Do not expose the Mobilette to the effects of weather.

3 Installation and startup

3.1 Scope of delivery

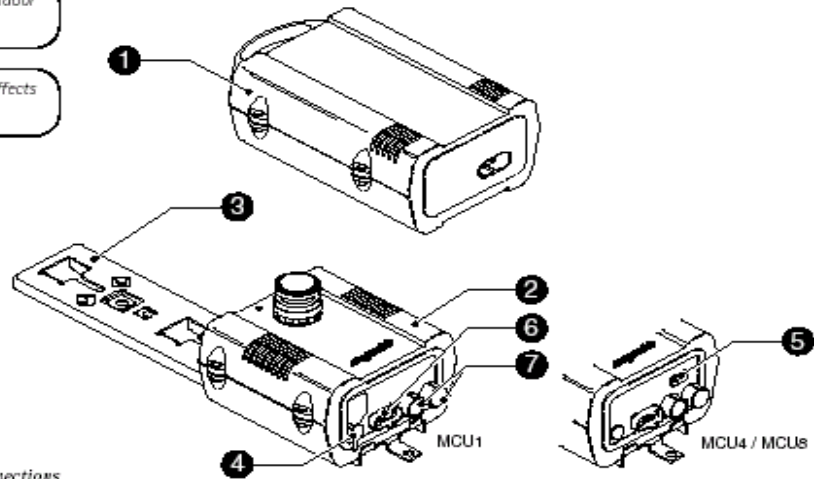


Fig. 1 – Scope of delivery and connections

The Mobilette consists of:

- ZBA battery unit
- MCU control unit (installed on system carrier ?)

Plug-in connections are marked on the control unit for:



- Mains adapter with closure flap (MCU1 only)
- Mains cable (MCU4 / MCU8 only)
- Control device
- 1 actuator (2nd actuator optional)

Accessories

- ZKA mains cable (MCU4 / MCU8 only)
- ZDV mains adapter (MCU1 only)
- Wall charging station
- EHA handswitch
- EFE footswitch
- IHA infrared handswitch
- SPP locking device
- Distribution box

Options

- Connection for second actuator
- Electrical emergency lowering (for channel 1 only)
- Individual power cut-off for both channels

-  *The Mobilette is only suitable for indoor use.*
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3 Installation and startup

3.1 Scope of delivery

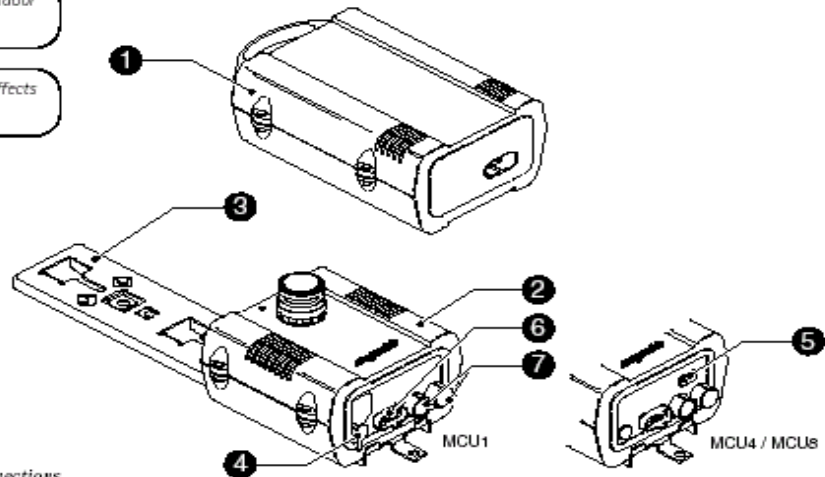


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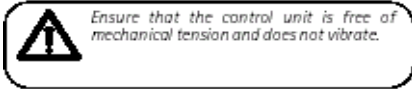
- Mains adapter with closure flap (MCU1 only)
- Mains cable (MCU4 / MCU8 only)
- Control device
- 1 actuator (2nd actuator optional)

Accessories

- ZKA mains cable (MCU4 / MCU8 only)
- ZDV mains adapter (MCU1 only)
- Wall charging station
- EHA handswitch
- EFE footswitch
- IHA infrared handswitch
- SPP locking device
- Distribution box

Options

- Connection for second actuator
- Electrical emergency lowering (for channel 1 only)
- Individual power cut-off for both channels



3.2 Installing the control unit

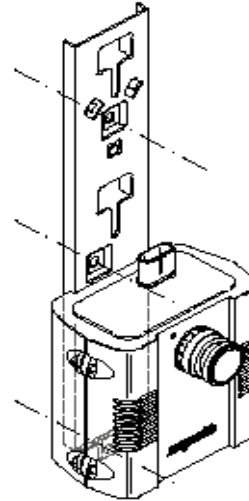


Fig.2 – Mounting the control unit

Mount the control unit in the 3 holes provided on the system carrier (Fig. 2).

The MOBILETTE MCU1 can be mounted in the following positions (Fig. 3):

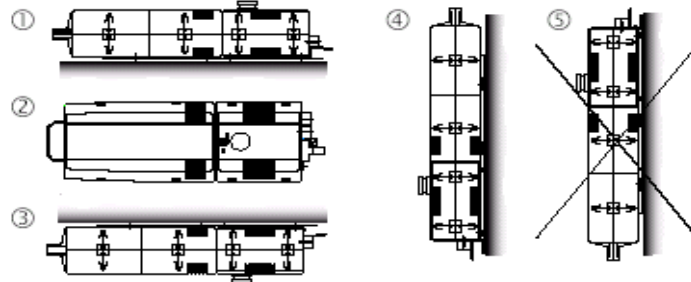


Fig.3 – Positions MCU1

- Lying horizontally
- Standing horizontally
- Hanging horizontally
- Vertically (battery pack above the control unit)

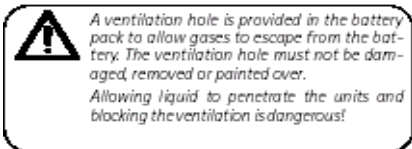
The MOBILETTE MCU4 and MCU8 (protection class IPx3) may only be mounted vertically with the battery pack above the control unit (Fig. 3, Pos. ④). This prevents the possibility of fluid entering the system.

A vertical, hanging position (⑤) with the battery pack below the control unit is not possible, since the battery pack may fall out.

3.3 Inserting the battery pack

Insert the battery pack into the mounted control unit as described in Fig. 4.

Ensure that the cams ① are pushed right into the guides ②. A locking spring on the rear of the system carrier fixes the battery pack to the control unit.



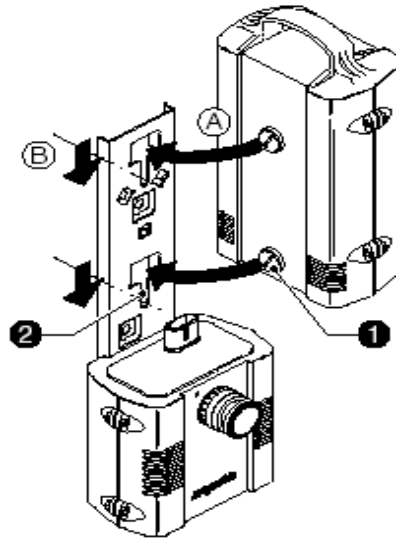


Fig. 4 – Inserting the battery pack


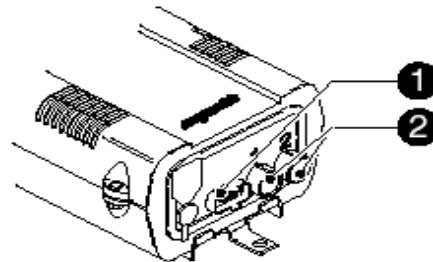
 All cables must be secured so that no forces act on the control unit plugs. Plugs which are poorly aligned may become loose and damage the control unit.

Fig. 5 – Connections




3.4 Connecting the actuator and the control device

Connecting the control device

Insert the D-SUB plug of the control device into the corresponding socket 1 on the control unit. (Fig. 5)

The cables are strain-relieved and sealed by means of the cast cams when plugged into the socket. The cams engage in the retaining clips.

 Ensure that the plugs are inserted with the correct alignment, otherwise the device socket can be damaged. Ensure the plug type is correct (arrows must be on top)

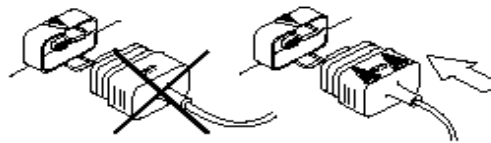


Fig. 6 – Inserting the control device plug

The control device used depends on the requirements of the system manufacturer.

i Lightly lubricate the plug sealing rings with Klübersynth VR-252, Magnetic order No. R50014.
The use of other lubricants can damage sealing rings and the plastic housing.

⚠ Ensure that the groove on the plug is aligned with the mark on the housing.
Otherwise, the plug cannot be connected properly.

Fig. 7 - Inserting the actuator plug

⚠ Batteries must only be charged in well-ventilated rooms. The gases resulting from the charging process are dangerous. Do not charge the batteries in damp environments!

i If the charging cycle lasts more than 20 hours, the battery or control unit is faulty. Remove the mains adapter from the socket. (See also 5.1 Maintenance)

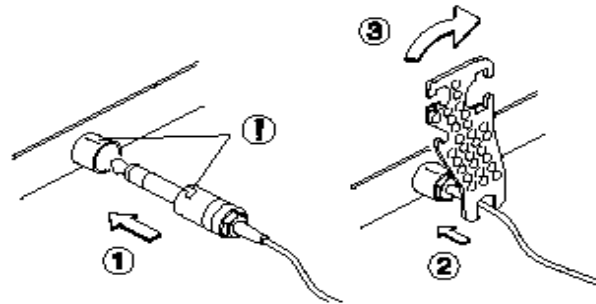
i During charging, any lifter controlled by the MOBILETTE must not be used.
Wait until the charging process is over before using the MOBILETTE.

Fig. 8 - LED for battery charge status

Connecting the actuator(s)

Insert the actuator plug into the corresponding socket **⊙** on the control unit (Fig. 5). Then proceed as follows:

- ① Insert the plug (the sealing rings must not be visible)
Ensure that the groove on the plug is aligned with the mark on the control unit.
- ② Use the special plug disassembling tool No. 140375 to turn the plug approx. 30° to the right up against the stop in order to lock it in position.



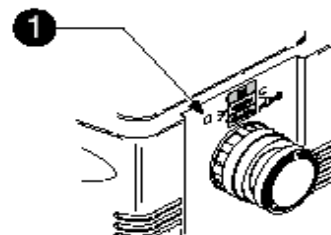
Repeat steps ① to ② if you wish to connect an (optional) second actuator.
Otherwise, the actuator output which is not used is closed with a watertight blanking plug at the factory. This plug must not be removed.

3.5 Startup

Charging the battery

The battery charging process is started when the mains adapter / mains cable is plugged in, or the battery pack is fitted in place while the mains adapter / mains cable is plugged in.

An LED (Fig. 8, ①) indicates the battery's charge state



LED yellow	Batteries are being charged, mains voltage connected.
LED green	Batteries are fully charged, mains voltage connected.
LED unlit	Mains voltage not connected.

Current consumption at full load

During commissioning, measure the actuator's maximum current consumption at full load. It must not exceed the value specified on the type plate of the linear actuator. Higher current consumption means that the linear actuator is overloaded and may be damaged.

An integrated overcurrent cut-off automatically deactivates the actuator if the current consumption is too great.

i Only use the Mobilette with charged batteries. Operation with empty batteries is not possible (not even if you connect the MOBILETTE to the mains).

4 Instructions for use

4.1 Controlling an actuator

The actuator is controlled directly using buttons \uparrow and \downarrow on the control device:

- Button \uparrow The actuator extends.
- Button \downarrow The actuator retracts.

When the button is pressed, the LED on the control device lights up green.

The battery status can be checked as follows during any motor movement via an LED on the control unit (Fig. 8, ①):

- | | |
|--------------------|--|
| LED unlit | Batteries are ready for operation. |
| LED flashes yellow | Batteries must be charged, since they are currently only charged to around 20% |
| A beep is heard | The battery capacity is less than 20%, but there is still sufficient capacity for at least a double stroke. The batteries must be charged immediately, otherwise the actuator's deep-discharge protection will block further use! (See also 5.7 Troubleshooting) |

4.2 EMERGENCY STOP function

Pressing the EMERGENCY STOP button interrupts the power supply to the actuators and causes the actuator to stop immediately. The EMERGENCY OFF switch should only be used in cases of immediate danger.

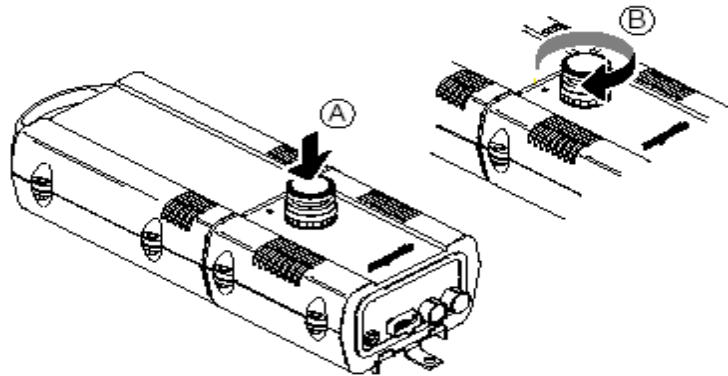


Fig. 9 – EMERGENCY OFF

Pressing the EMERGENCY STOP

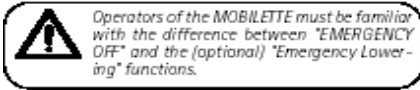
- Press the red button (A)

The button engages. The actuator stops and can no longer be controlled by the control device while the "EMERGENCY STOP" button is locked in position.

Unlocking the EMERGENCY STOP

- Turn the red button in the direction of the arrow. (B)

The "EMERGENCY STOP" button is unlocked. The actuator can be controlled as before.



4.3 "Emergency Lowering" (option)

In contrast to the EMERGENCY STOP button, the "Emergency Lowering" option is intended for when faults occur. A faulty control unit can be bypassed using the "Emergency Lowering" button. This allows electrical lowering (retraction) of the actuator.

This is only possible for actuators on channel 1.

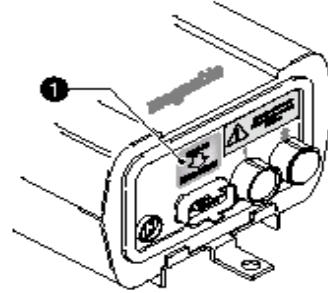


Fig. 10 – „Emergency Lowering“

Pressing "Emergency Lowering"

- Press the yellow button (see Fig. 10, ①)

The faulty control unit must then be sent to Magnetic AG, Liestal for repair.

5 Care and maintenance

5.1 Maintenance

The control unit and the battery pack must only be opened and maintained by Magnetic Customer Services. Please contact Magnetic AG, Liestal.

Recharge flat batteries as soon as possible. This will increase their service life. When in storage, batteries should be recharged every 6 months.

The service life of the batteries depends on the load and the charge status. It can last up to 5 years.

Replacements for damaged or worn-out batteries and faulty charging devices should be obtained from Magnetic AG, Liestal.

Changing the battery pack

Remove the battery pack by pulling the handle (with sufficient force to counteract the stop spring). The new battery pack can then be inserted as described in chapter 3.3.

5.2 Functional checks

The following functions should be checked periodically - depending on the frequency of use:

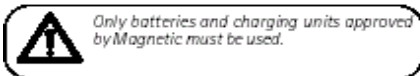
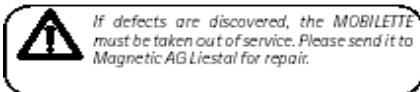
Mechanical damage

The plastic housing must be checked at least every six months for mechanical damage (cracks).

Periodically check sealing edges for damage. The sealing rings of the control device plugs and motor plugs must be checked for damage before each union and exchanged if necessary.

Power cut-off

Check the power cut-off regularly while extending the actuator to an end position. On reaching the end position, the control unit must deactivate the actuator without the button on the control device being released. When the power is cut, a click is heard in the control unit and the actuator motor stops running.



5.6 Technical data

See brochure No. 530D 2931.

The manufacturer reserves the right to adapt technical data to reflect technical progress without prior notification. Magnetic AG, Liestal, will be pleased to provide information about current specifications, possible changes or extensions.

5.7 Liability

In every case, the owner or operator of the unit shall be liable for its function if the unit has been incorrectly installed, maintained or repaired by persons who are not employed by the Magnetic Service Department or if the unit has not been handled in accordance with its specified application.

Magnetic Aktiengesellschaft shall not be liable for any damage resulting from failure to observe these instructions. These instructions shall not be regarded as an extension of the warranty and liability terms set out in the Conditions of Sale and Supply applied by Magnetic Aktiengesellschaft.

The product is not subject to the labelling requirements of the CE or EMC guidelines. The required EMC measures for the end product must be met by its manufacturer, taking into account installation factors, wiring and control, and these must be checked for compliance with the intended application.

Observance of these instructions is the responsibility of the manufacturer of the machine or equipment.

Battery display / deep-discharge protection

To check the function of the battery display, place a discharged battery pack in the Mobilette control unit and press one of the buttons on the control device.

If the battery is empty, the yellow LED will flash when a button is pressed.

Now press a button on the control device until an audible signal indicates the battery's deep-discharge protection. After this signal, it must once again be possible to retract the actuator.

If the battery is completely empty when it is placed into the control unit, the audible deep-discharge protection signal will sound.

"EMERGENCY STOP"

Test the EMERGENCY STOP function by pressing the "EMERGENCY STOP" button while an actuator is being operated. The actuator must stop immediately. (See also 4.2)

5.3 Care

Protection from water, cleaning, disinfecting

The MCU1 has been manufactured according to protection class IPx4. Protection class IPx3 applies to the MCU8 (MCU4).

Do not clean the control unit without properly connected actuators, control device, sealed mains adapter and sealed actuator input (Fig. 11, Pbs. and J). The control unit would be damaged by fluid entering it.

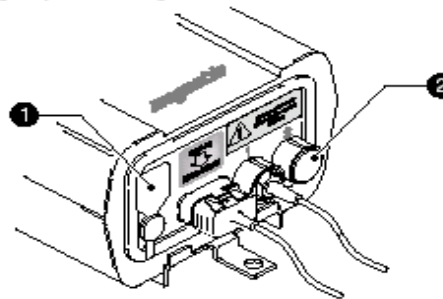
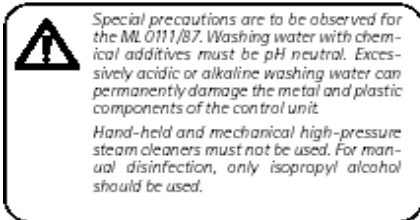


Fig. 11 – Correctly closed control unit

Maximum cleaning / drying temperature = 65°C!

If the unit becomes dirty, the housing should best be cleaned immediately in order to prevent the accretion of residues!

Use a damp cloth and water for manual cleaning. Add a little isopropyl alcohol if necessary.

5.4 Warranty

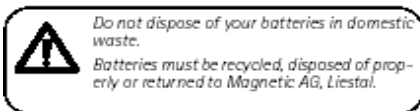
Assuming that the operating conditions are complied with and units have no mechanical damage, a warranty of 12 months from the date of delivery will apply for all mechanical and electrical components.

Batteries are not covered by this warranty.

5.5 Disposal

The control unit components and actuators may be returned to Magnetic AG, Liestal, for disposal.

Damaged or worn batteries and chargers should only be replaced by the Magnetic Service Department or trained personnel.



5.8 Troubleshooting

Fault	Cause	Remedy
None of the actuators are working	The EMERGENCY STOP has been pressed	Check plugs on the control devices and re-insert Unlock the EMERGENCY STOP button by turning it
	Deep-discharge protection of the control unit has been activated (display flashes yellow, control unit emits an audible signal when buttons are pressed)	Charge the batteries or replace the battery pack.
	No batteries in place	Insert batteries
	Battery does not make contact	Check that the batteries are fitted correctly and check their position
	Poor plug contact in the control device plug	Check the plug on the control device and re-insert
An individual actuator is not working.	Poor plug contact in the actuator	Check the motor plug and re-insert
	Actuator cable faulty	Check the cable and replace the actuator if necessary
The batteries will not charge	The battery is full (LED lights up green)	Subsequent charging can be restarted by briefly disconnecting the mains supply or the battery
	Batteries not inserted or inserted inadequately (LED lights up green)	Insert batteries and check position
	Display unlit	Check the mains cable and mains adapter for good plug contact Check the mains cable and mains adapter for damage Check the power supply (domestic fuse)
Actuator switches off during operation	Actuator overload in load direction	Reduce the actuator load
	Batteries are nearly empty, LED flashes yellow when a button is pressed	Recharge the batteries or replace the battery pack
	The batteries are empty, the LED flashes yellow and an audible signal is heard when a button is pressed (battery deep-discharge protection)	Do not continue to operate the device! Recharge the battery immediately or replace the battery pack

General Precautions and Maintenance of the Penner Transfer

System Cleaning (After Every Bath)

- Clean and disinfect the Transfer Lift after every bath with Penner Cleaner/Disinfectant as follows:
- **Note.** Penner Cleaner/Disinfectant is a special non-abrasive cleaning and disinfecting solution that will not harm the tub's fiberglass surface. Penner Cleaner/Disinfectant is the only cleaning solution designed and recommended for use with your Pacific Tub.
- Disinfect the seat pad by detaching it and positioning it over the tub. Use the brush to scrub its surfaces with the remaining solution. Allow for proper disinfectant contact time (Usually 10 minutes or as recommended by the disinfectant's manufacturer.) and rinse the seat. Replace the seat and lock on the Penner Transfer
- Position the Transfer seat chair frame over the tub, then using a long-handled brush (available from your Penner distributor) to thoroughly scrub all the surfaces of the Transfer seat frame. Then with the solution that remains in the foot well of the tub, thoroughly scrub Lift seat, backrest, and belts.
- Thoroughly rinse all cleaned components of the Transfer System Chair.



WARNING

Housekeeping personnel should wear protective glasses and gloves to prevent disinfectant from damaging their eyes or skin. If disinfectant gets on the skin or in the eyes, rinse thoroughly with plenty of water. Seek medical advice if irritation occurs.

Daily Safety Checklist

CHECK THE FOLLOWING ITEMS EACH DAY BEFORE USING YOUR PENNER TRANSFER SYSTEM.

Perform the following safety checks for the Penner Transfer Lift:

1. Seat Belt – Check the condition of the seat belt(s) for signs of excessive wear.
2. Seat Latch – Check the seat latch on the Penner Transfer frame. Ensure it is operating properly. The latch should hold the seat pad in place and should not come off without pressing the latch release handle down.

WARNING

If during the safety checks you find parts are missing, are excessively worn, do not function properly, or do not meet the recommended safe operating levels, do not operate the equipment until the maintenance department has taken the appropriate corrective action.

Your Penner Distributor and his personnel are trained to provide in-service instruction and maintenance on your Penner Transfer Lift . If you have any questions about the operation or maintenance of your System, please contact your Penner Distributor.

For your nearest Penner distributor, contact .

Penner Patient Care, Inc

at

1-866-736-6377 OR 1-800-732-0717.