

Hartmann - asytec

BELITEC (Cabinet-Bed-System)

Operating Manual



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Please **destroy older** assembly drawings!
We do not assume any liability in cases of non-adherence to the assembly manual.
- We reserve the right to make modifications -
The statutory warranty period applies!

Safety instructions



Only allow expert personnel who have received the required instruction to assemble the BELITEC system!

These advices supports you to avoid dangerous situations and to give confidence in its reliability and for a long life of our product.



This device can be used by children aged 8 and older or persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, provided they are supervised or have been informed how to use the device in a safe manner and understand the resulting risks!

Ensure that children cannot play with the device.
Do not move the bed from the installation site which has been deemed "safe" by the installer.
While extending and retracting the bed, monitor it visually in order to detect malfunctions immediately and avoid damage.



A safe installation site must have sufficient space around the system travel path, so that there is no direct danger caused by getting caught and / or crushing.

When using the device, ensure that there are no objects which may get caught between the moving components.
Do not touch moving components during operation to avoid severe personal injuries / damage to property!

There is a risk of crushing injuries, fractures and / or limbs being severed.
In the event of irregularities or deformation of the moving components, immediately stop the extending or retracting movement and check the path of movement.



It is prohibited to smoke or handle open flame in close proximity to the device!



Due to the risk of electric shock, a damaged power cable may only be replaced by the manufacturer or a specialist company.



When installing the system, ensure that there is sufficient space and provide a sufficiently large safety area!
If spaces and / or the safety area are too small, there is a risk of crushing, fractures and / or limbs being severed.



Protect all electrical lines and connections from damage and water and install them so that they are freely accessible to prevent electric shocks.

Reliably prevent unintentional changes to the control system, the electrical system and all moving components.

Prevent misuse of the remote control by unauthorised persons.

You have to read carefully this manual before first use! Take care of all advices!



Liability disclaimer

We would like to point out that Hartmann asytec GmbH & Co. KG will not assume any liability for injuries, material damage or other damage caused by

- failure to adhere to this assembly manual.
- modifying the foldaway bed without our approval.
- using spare parts that have not been manufactured or approved by Hartmann asytec GmbH & Co. KG.

1. Contents

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2. Symbols



Read carefully this manual.

Take care of all advices.



Do not touch moving components.
There is a risk of crushing or fractures.



Avoid open fire. Do not smoke close by the system.



Take care of immaculate condition of the electrical connections.



Do not throw batteries into household waste.
Motors and control housing are made with plastics and metals.
Separate all pieces for recycling to save environment.



It is only allowed to use the Belitec - System in - house.

3. Components of the system

- Cabinet / parts
- Mattress
- Wooden slats
- Carriage unit
- Plastic pieces (cam guide)
- Motors
- Control housing
- Emergency lowering
- Hand - held switch
- misc. assembly pieces (e.g. screws, belts)

4. Construction

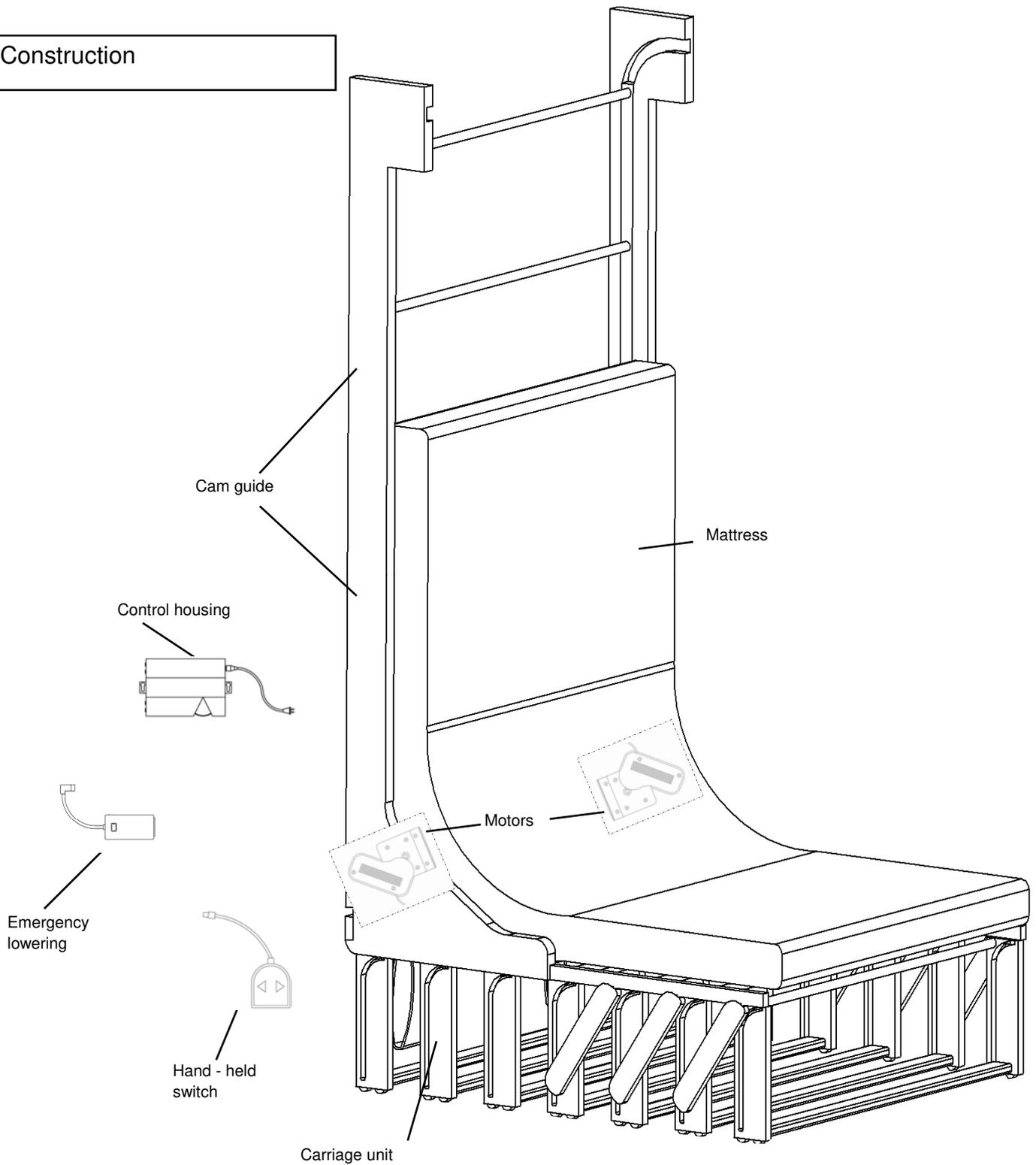


fig.: 1

5. Electrical connections

chain guide (*)



The electrical system of controls and drives consists of five components.

Plug the main electrical connection (1) into the control block (2). Then plug the block for emergency lowering (3a) into the control block and connect the switch (3b) with housing. Connect the plugs of the drive motors (5) with the remaining two couplings on the block of the emergency lowering. Push the plug of the actuator with the yellow mark (*) and chain guide (*) into the remaining coupling on the block of the emergency lowering. After that connect the hand-held switch (4) with the control block. With this hand-held switch the system will be controlled.

6. Technical data

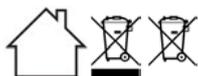
Only for use in dry rooms!

Emergency lowering

Battery: 2 x 9V battery (6LR61)

Control

checked according to EN 60335-1
Type: SCT2-MDT2-SF
Data: 230V 50Hz 2,4A
Work: 2 min
Break: 18 min



7. Power supply

As the main power source BELITEC uses the regular system of 220/110V to supply the steering. There is a transformer built in the control block to change voltage of 220/110 V to ca 30 V to make it not dangerous for people to use the BELITEC.

Secondary power source is two batteries of voltage 9V which are located in the block of the emergency lowering. In case of power supply failure you can operate the bed with the button of the emergency lowering.



**Attention!! In case of power failure.
Do not move the bed out completely to avoid damages to the BELITEC!!**

When you use the emergency lowering to move the system out after power supply failure, you have to re-adjust the electronic controls. Before you can move the system in again with the regular main power supply push the buttons A + B on the hand-held switch at the same time and hold. The drives retract the system and stop at the end position (teach - in run).

There is sounding a beep for successful operation.

After that release the buttons.

The BELITEC system works normally again controlled by the hand-held switch.

Battery module



Keep the batteries out of the reach of children!

Do not throw the batteries into fire, short-circuit them, take them apart or charge them. **Risk of explosion!**

The batteries contain hazardous acids. To prevent the batteries from leaking, replace drained batteries as soon as possible

Do not use old and new batteries or different ones at the same time.

How to handle leaking batteries.

When replacing leaking batteries, wear chemical-resistant gloves and protective goggles!

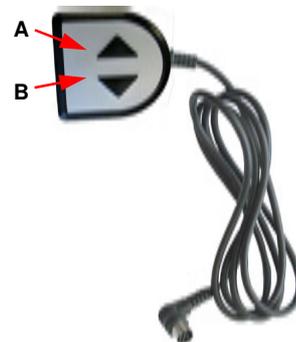
If at all possible, refrain from touching the leaking battery with your bare skin.

If you have come into contact with the leaked components, wash your hands thoroughly.

Remove the electrolyte residue with a damp rag. Wash any clothing that has come into contact with the electrolytes.

8. Handling of the bed

This manual is used to help for successful and safe handling of the system.



to initialize

- push the buttons A + B at the same time and hold.
- the drives retract the system and stop at the end position.
- there is sounding a beep for successful operation.
- release both buttons.

regular service

- | | |
|----------|--|
| Button A | Reclining area is retracted. Press button until the desired position is reached. |
| Button B | Reclining area is extended. Press button until the desired position is reached. |



Attention!

In case of a power failure, you can extend the system by pressing the button (*) on the emergency lowering. Do not extend the bed completely in case of a power failure, as the system may otherwise be damaged.

Only extend and retract the bed while unloaded!

The system is protected against malfunctions and improper handling by an integrated overload protection in the controls. After twice run in / out service to take a break time of 18 minutes is required to prevent the drive motors from overheating!

Attention!



After emergency lowering, initialisation (reset) is required.

If no initialisation is performed after emergency lowering, the control system can no longer determine the current position of the drives.

The result is that:

- the drives move at full power during operation with the hand switch.
- the virtual limit switches are ignored, causing the drives to move past them.
- the drives will collide with the mechanical limit stops at full power.
- the mechanisms may be overloaded and destroyed.
- there is a risk of injury.



The emergency lowering function is not a safety system intended to prevent danger.

The block batteries only permit emergency lowering a single time, afterwards they must be removed, disposed of and replaced with new batteries.

9. Inspection when fault occurs

- electrical problems

No action while pushing the button. No transmitting signal.

How to solve:



1. check power plug is correctly installed.
2. all plugs are connected and any other electrical connection is correctly installed.
3. ensure that the connection cables are not bent, pulled or otherwise subjected to mechanical stress.
4. call service partner for help.
5. If the mains cable of this device is damaged, it must be replaced by the manufacturer or their customer service or a similarly qualified person in order to avoid hazards.
6. If the drives were moved for more than 2 min beforehand: Wait for at least 18 min, then try again. (Activation time exceeded).
7. initialize the system with a teach - in run again.

If these measures are unsuccessful, please contact your service partner to have the controls replaced, if necessary.

- mechanical problems:

No action while pushing the button. Transmitting signal but no response.

How to solve:



1. check all parts are freely to move.
2. call service partner for help.
3. initialize the system with a teach - in run again.

If these measures are unsuccessful, please contact your service partner to have the controls replaced, if necessary.

10. Aftersale service

Information on aftersales service as well as replacement part orders can be obtained from your specialist retailer by quoting the machine number (see name plate).

11. Other information

Notes on handling

- Protect the electrical parts and connections of the system against moisture.
- During use, ensure that there are no items or even limbs between the moving parts which may become trapped.

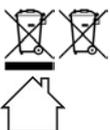
Care

- Use a hand brush and / or dust cloth to remove dust.

Servicing and guarantee - the statutory warranty period applies! -

- To operate properly please change battery after each use or latest every 2 years. (see #3).
- Non - observance lead to loss of the guarantee rights by opening the electrical components or the actuator housings.

Disposal



- Do not throw batteries into household waste.
- Motors and control housing are made with plastics and metals.
- Separate all pieces for recycling to save environment.
- It is only allowed to use the Belitec - System in - house.