

Optima Turn Installation & Operation Guide



Wellell Inc. 2022.01.27

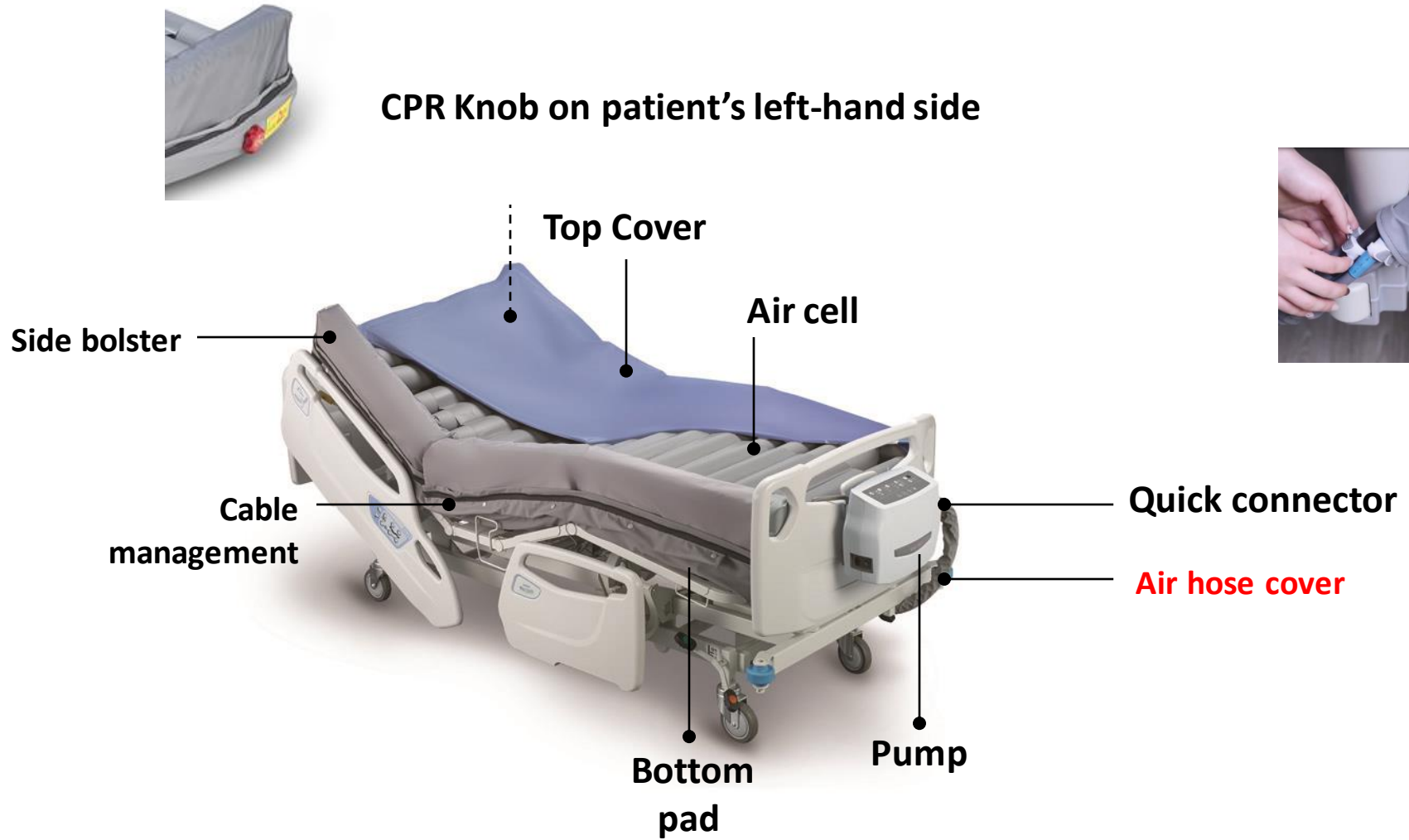
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Accessories

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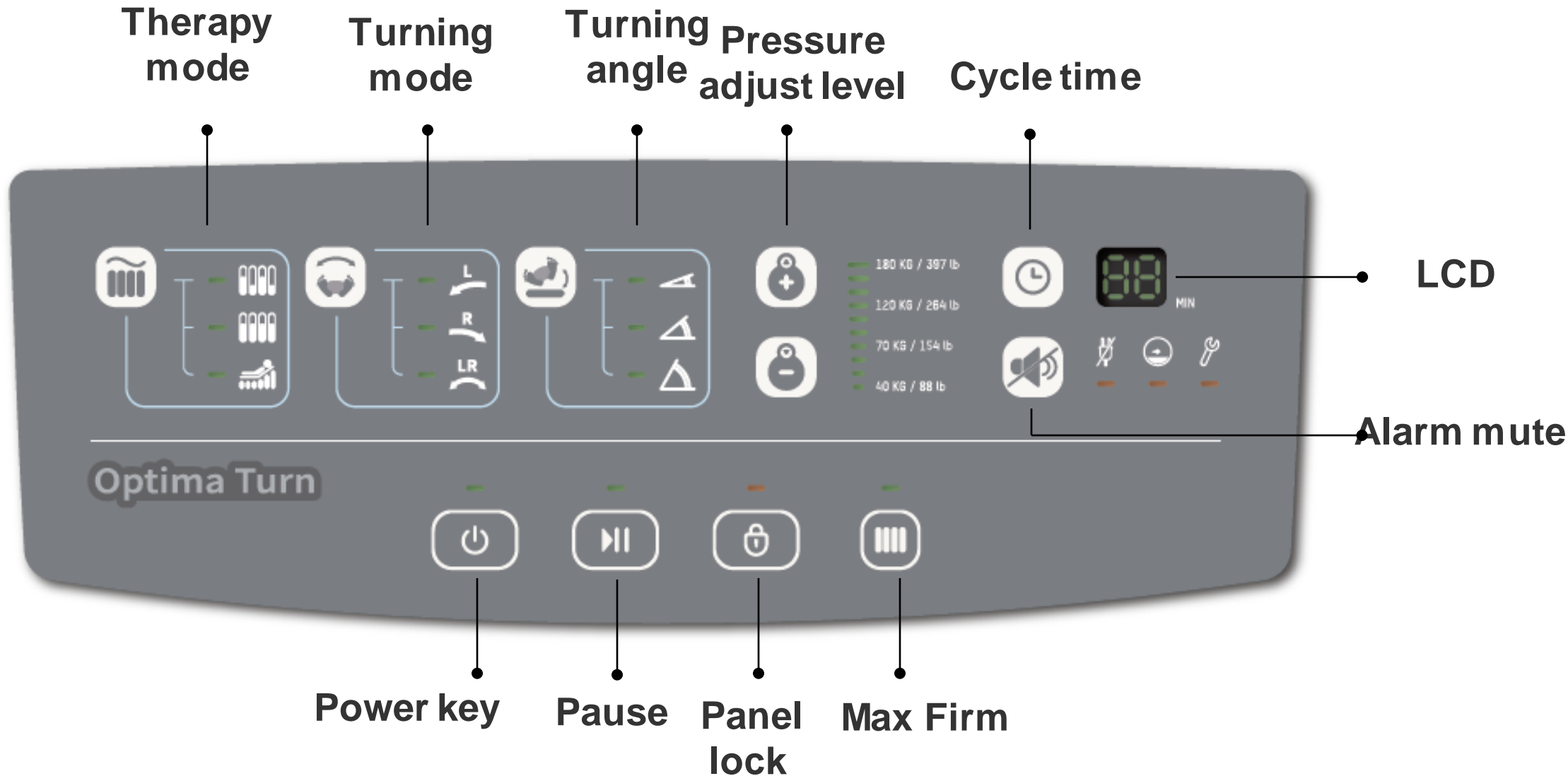
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Operation Panel

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User Interface Screen Unlock

User interface will be locked automatically 5 mins after last operation or by pressing panel lock key for 1 s. To unlock user interface, press and hold panel lock key for 1 s.



User Interface

Max firm

Press max firm button to make the mattress fully inflated. (automatically back to previous mode setting if idle for 20 minutes)



User Interface Alarm Mute

When alarm occurs, press alarm mute button to temporarily mute for 3 minutes. The alarm resumes automatically if technical issue is unable to be resolved within 3 minutes.



Installation

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Installation

Set up the replacement mattress

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Set up the replacement mattress on the bedframe, make sure that the Feet icon is at the bed end



Installation

Secure the mattress

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Secure the mattress to the bed frame using the click-lock buckles



Installation

Setup the pump

Hang the pump onto the foot board



Installation

Connect the quick connector

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Press both sides of quick connector to remove the lid, then connect it to the slot on the pump.



Installation

Connect the power cord

Connect the power cord to the slot on the left side of pump.



Installation

Storage of power cord

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The cable management tape is provided along the side of the mattress to manage power cord.

02/15 Pohan

Cable Management的設計有更改過，
因此目前無影片素材

Installation

Plug-in the power

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Connect the power plug to the power socket.



Installation

Turn on the power switch

Turn on the power switch to operate the pump.



Installation Mattress inflation

The new mattress would be fully inflated within 30 minutes.



General Operation



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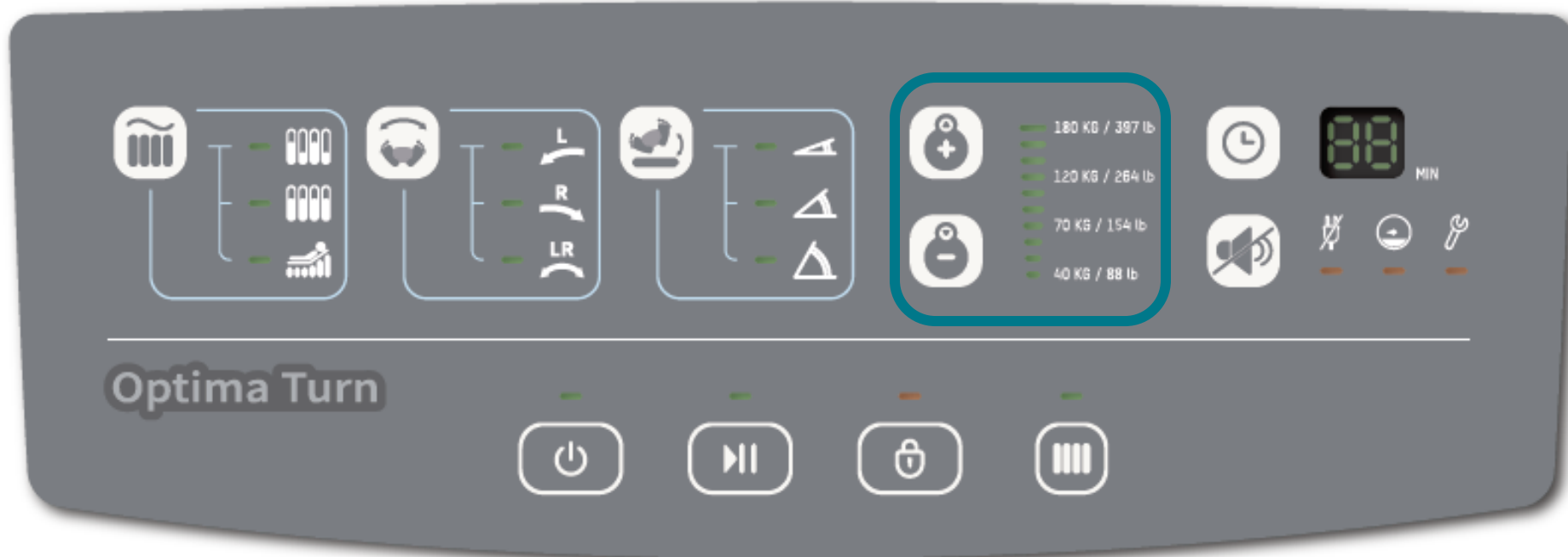
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General Operation

Adjustment pressure level based on patient weight


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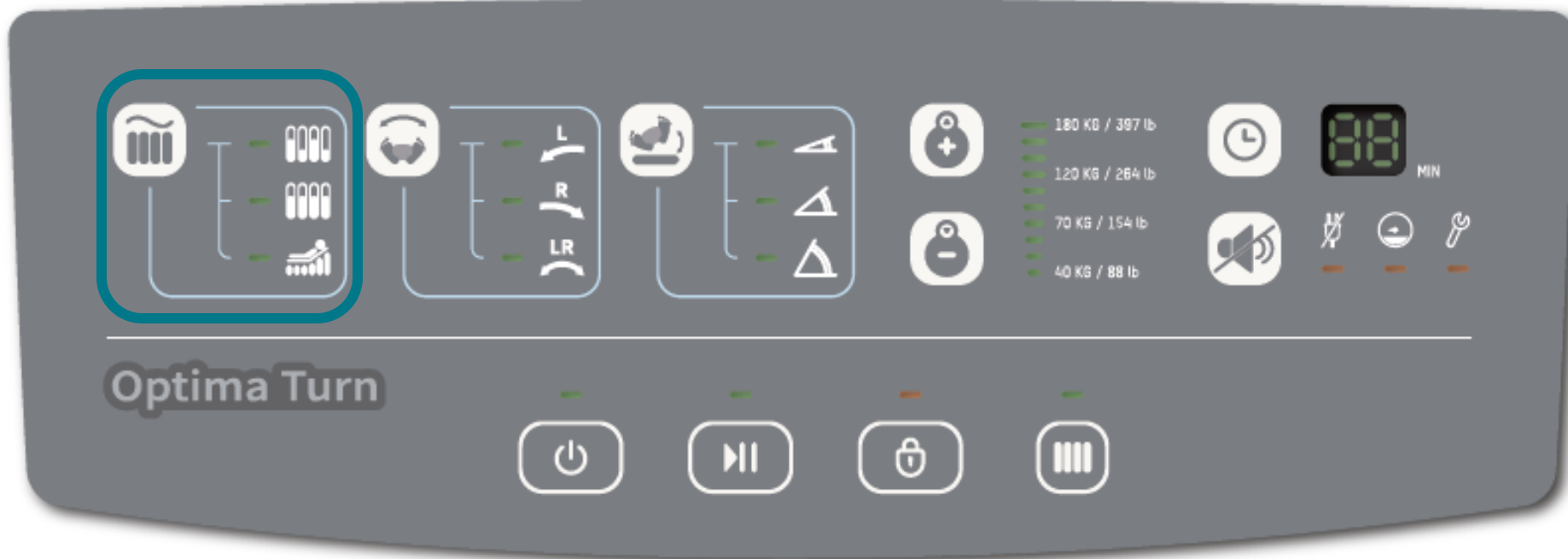
Press( / ) to get the correct setting of the pressure level based on patient weight. The maximum patient weight is 180 kg.



General Operation

Alternating mode

Alternating mode  : The air cell inside the mattress are deflated and inflated periodically to release pressure.



General Operation

Cycle time

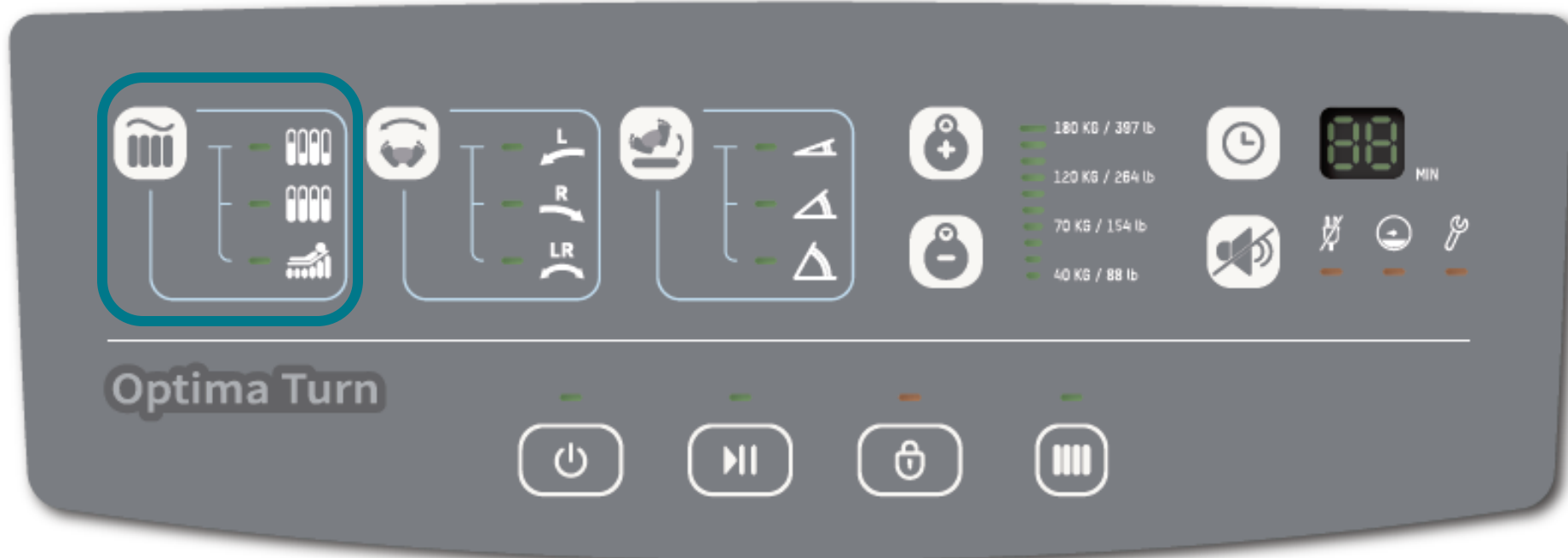
Select the cycle time(10、 15、 20、 25 minutes).



General Operation


Continuous low pressure (CLP) mode

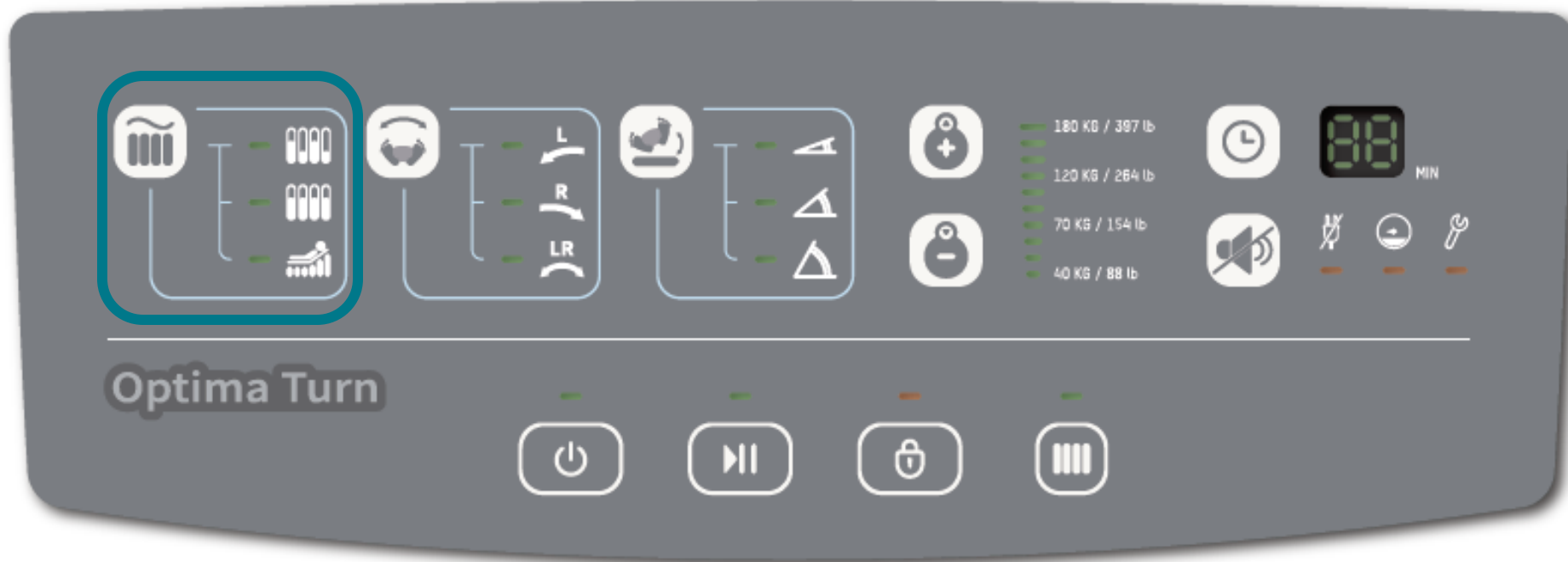
CLP mode  provide better envelopment and immersion.



General Operation

Auto seat inflation mode

Auto seat inflation  automatically initiates when head section is raised by over 30 degrees to prevent patient from being bottomed-out



Turning Operation

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Turning Operation

Turning mode




Three turning mode including left turn  , right turn  and left-supine-right turn  can be selected.



Turning Operation

Turning angle

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Three turning angle including light-turn(10°) , half-turn(20°)  and full-turn(30°)  can be selected.



Turning Operation

Turning dwell time

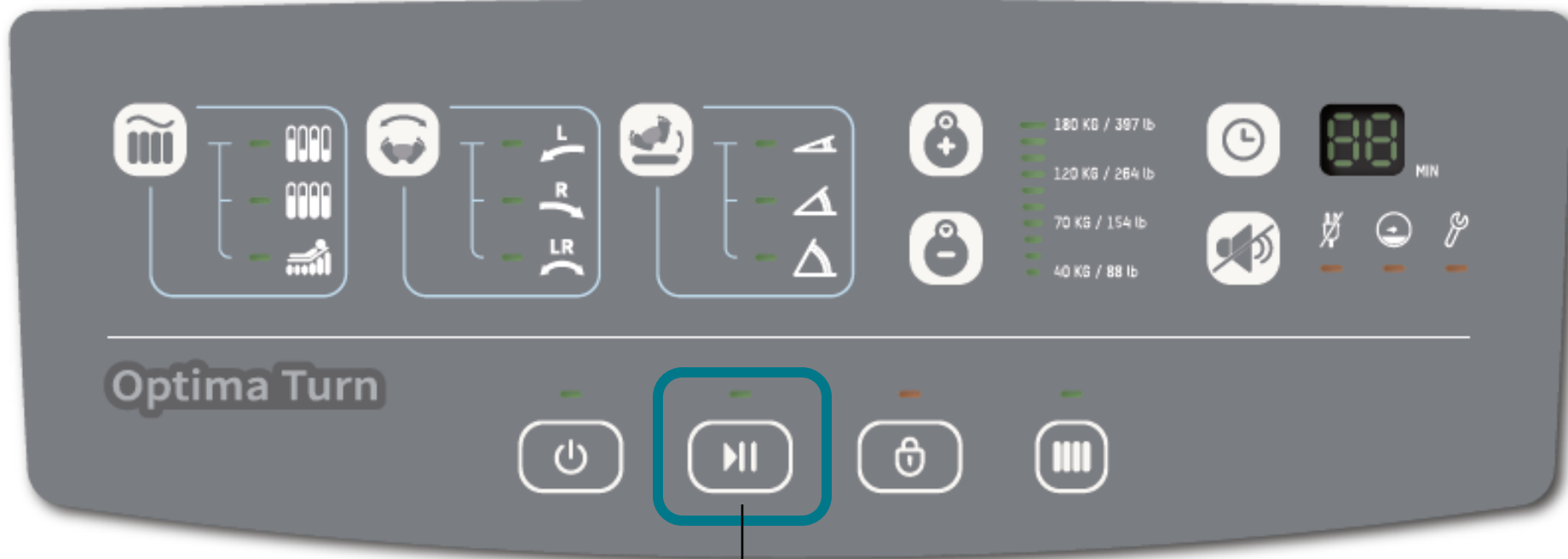
Turning dwell time can be selected between 10/20/30/60 mins



Turning Operation Pause

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Allow caregivers to temporarily stop the action when emergency occurred by pressing pause key. Caregivers could change to other settings during this period which return to the previous mode automatically after 10 mins.



暫停鍵 Pause key

Heel Relief

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The last five cells from the foot-end have heel-relief connectors to release pressure and eliminate pressure exerted on patient's heel.



Patient Handling

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Press max firm button to make the mattress fully inflated, make sure the side handling has been removed, disconnect the quick connector.



Transport mode

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For optimum comfort, change the system to CLP mode and wait for 5 mins before disconnecting power cord is recommended. Cap on the quick connector to keep the air inside the mattress. The mattress remains inflated at least 24 hours.



Emergency

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Emergency CPR

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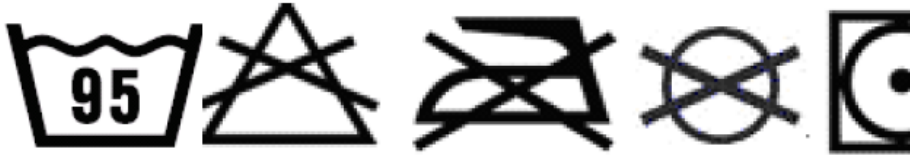
Rotate the CPR knob on left-hand side of mattress into open position to release air from mattress, it will let patient bottom out within 15 s.

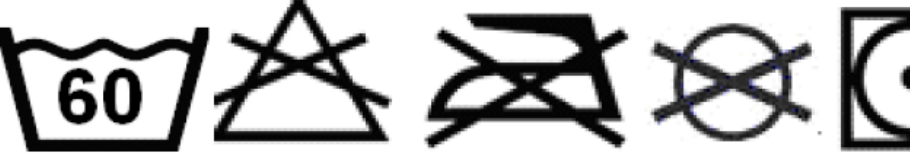


Cleaning and Disinfection

Washing temperature:

- Top Cover : 95 °C
- Bottom cover : 60 °C

<p>上蓋材質 Cover material</p> <hr/> <ul style="list-style-type: none">• Stretch	
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<p>底墊材質 Base material</p> <hr/> <ul style="list-style-type: none">• Nylon/PU	
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Wiping instruction☹ including cover/base

- 75% 酒精 alcohol
- 0.5% (5000 ppm) 漂白水(次氯酸鈉) chlorine solution

Storage

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Turn off pump-->Switch off the power-->Remove the power cord -->Storage the power cord-->Remove the position sensor-->Remove the pump connector--> Rotate red CPR knob in the OPEN position for deflation(※Remove extra air and prevent air flow into mattress)--> Close the lid--> Place the pump on the mattress for storage --> rolled the mattress by straps



Maintenance

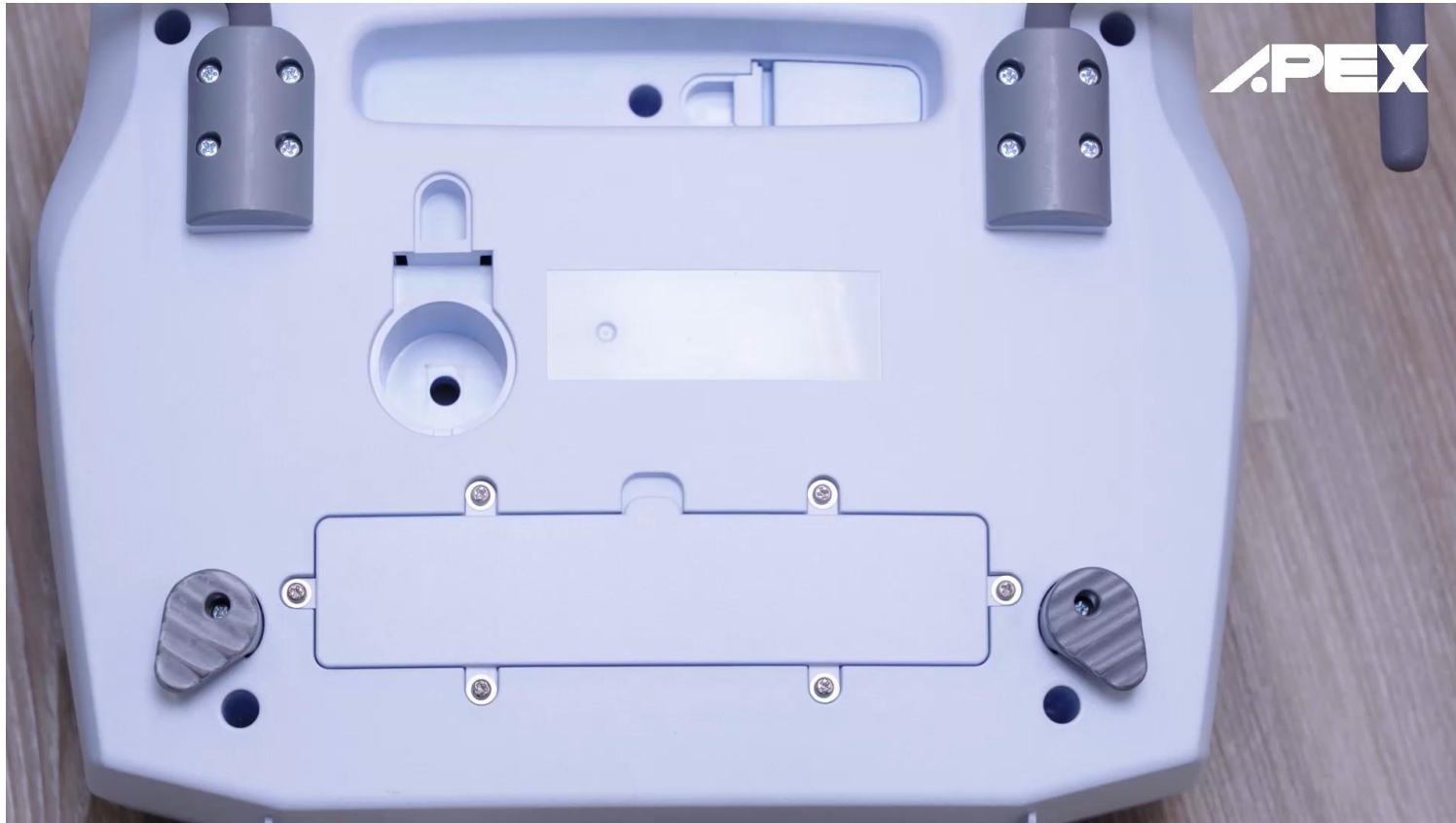
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Maintenance

Air Filter replacement

Operators are suggested to check and replaced air filter regularly every six months



Troubleshooting

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Er 00

Reason : The inflation time exceeds its setting standard

Solution :

1. Check the CPR knob is turned to close.
2. Check if the tubing between the mattress and pump is correctly connected.
3. Check if there are any air leakages on the air cells

If the problem you have not solve the above information, please contact local representative or Wellell.

Er01-06

Reason : low pressure alarm

Solution :

1. Check the CPR knob is turned to close.
2. Check if the tubing between the mattress and pump is correctly connected.
3. Check if the heel-relief connectors at the last five air cells properly connect.
4. Check if there are any air leakages on the air cells

If the problem you have not solve the above information, please contact local representative or Wellell.

Er18

Reason : The connector did not connect with the pump correctly or properly

Solution :

1. Check if the tubing between the mattress and pump is correctly connected

If the problem you have not solve the above information, please contact local representative or Wellell.

Mattress Features

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Mattress

Top Cover material

4 way stretch top cover required comfortability, high moisture permeability, low friction, low shear force and Fire rating(BS 7175 Crib 5 & Crib 7)。



Firm air cell side bolsters combined with the bed rails prevent the patients from slipping off the mattress



FAQ

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Q. What's the step for installation ?

A. Place the mattress → Fix the mattress → Place the pump → Connect with the connector → Connect the position sensor → Plug the power cord → Storage the extra power cord → Plug to the socket → Turn on the power → Activate the pump → Pre-select therapy mode → Initial mattress inflation → Auto Adjustment

Q. How long for initial mattress inflation ?

A. Normally within 30 mins

Q. What's the suggestion for cleaning and disinfection?

A. Washing temperature suggestion: top cover with 95degree and bottom cover with 60 degree

Wiping condition (included top cover, bottom cover and pump) 75% alcohol solution and 0.5% (5000 ppm) chlorine solution concentration

Q. Where's the CPR position? How long for deflation?

A. The red CPR knob locates on the left side of the mattress and allows deflation for 15 seconds

Q. What's the instruction for storage?

A. Turn off pump → Switch off the power → Remove the power cord → Storage the power cord → Remove the position sensor → Remove the pump connector → Rotate red CPR knob in the OPEN position for deflation (⊗ Remove extra air and prevent air flow into mattress) → Close the lid → Place the pump on the mattress for storage → rolled the mattress by straps


Q. How long should the operate change air filters?

A. The system will remind operators to change air filters after six months operation to make sure normal function. If not changing the air filter, system will send visual and audio alarm to remind operators to change every time when activate the system, press the mute button can turn off the alarm function.

Q. What should the operator do when the screen shows error code?

A. Please refer to troubleshooting chapter and follow the instruction. If troubles remain, please connect to the distributors or manufacture.

Q. How to activate one time turning function? What is the purpose behind this function?

A. Press  for 3 seconds to activate one time turning. This function enables clinicians to do one-time caring behavior, then it will automatically back to previous mode setting if idle for 20 minutes)

Q. Why Optima Turn is not able to provide alternating function during turning process when the holding time (dwell time) is being set at 10 mins?

A. An integral alternating cycle is 20 mins, a 10 mins setting cannot complete a whole alternating therapy.

Thank you

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