Alerts, alarms and troubleshooting

When an **ALERT** is activated:
The infusion continues, LED indicator light remains green, intermittent beeps are heard approx. every 3/4 mins and a screen message alternates with the infusion running screen.

When an **ALARM** is activated:
The infusion stops, the LED indicator light turns red, a continuous audible alarm activates and a screen message displays indicating the cause.

Press **STOP/NO** to mute alarms and follow screen prompts.

<table>
<thead>
<tr>
<th>Screen</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Battery</td>
<td>Alert: Approximately 30 minutes of battery life remaining. Connect to mains power.</td>
</tr>
<tr>
<td>Near End</td>
<td>Alert: Bag nearly empty, approximately 5mL volume remaining. Prepare new bag, if applicable.</td>
</tr>
<tr>
<td>Pump Stopped</td>
<td>Pump has been left in the STOP state for more than 2 minutes with no key presses. Press START/OK to resume, press STOP/NO to continue pause or press and hold down STOP/NO for menu.</td>
</tr>
<tr>
<td>End Battery Press Stop</td>
<td>Battery power is depleted. Connect to mains power immediately. Place pump in charger or use the battery cable to connect to the DC socket.</td>
</tr>
<tr>
<td>End of Infusion Press STOP/NO for Menu</td>
<td>Current infusion programme has completed. Either discontinue use or change bag to start a new protocol.</td>
</tr>
<tr>
<td>Air/Up Occlusion Check for air/occlusion</td>
<td>Air in set or the set is occluded between the infusion bag and pump. If air is visible, disconnect set from patient and prime the set and resume protocol. Check for occlusion source (kinked or trapped set).</td>
</tr>
<tr>
<td>Down Occlusion Check set/access</td>
<td>The set or access device is occluded (below pump). Straighten the set and/or remove or open any clamp or clip. Change/flush the access device.</td>
</tr>
<tr>
<td>Missing Set Key Load Set Key &amp; Close Door</td>
<td>The set is loaded incorrectly or user has loaded a non-proprietary set. Load administration set with key in keyway. Check set is the correct dedicated BodyGuard set.</td>
</tr>
<tr>
<td>Door Open Close Door</td>
<td>The pump door has opened during infusion. Check set is loaded correctly, close door and re-start infusion.</td>
</tr>
<tr>
<td>System Error Press Info</td>
<td>A technical/internal malfunction has occurred. Follow on screen prompts. User may be prompted to power off and on to rectify the problem.</td>
</tr>
<tr>
<td>Error (number) Send for Service</td>
<td>If the problem cannot be rectified, power off and remove from patient use. Follow local policy and contact service dept.</td>
</tr>
</tbody>
</table>

**CME Medical Device Training Is RCN-Accredited**

**Keypad Lock**
With the keypad lock activated, the user can STOP and START an infusion, and with the infusion running use the INFO key to review infusion status.

Users cannot (for example) power off, rate change, change bolus or lockout time, deliver a clinician activated bolus or go to the main menu with the keypad lock activated.

**Accessing infusion summary**
During an infusion, repeatedly press the INFO to access current infusion information:
- volume infused/to be infused (VI/VTBI), battery level, Pt bolus attempts/given, Clinican Bolus, protocol review screen and date & time

**Note**
- Refer to Operating Manual for full operating instructions
- Users must have undertaken training before operating this device
- Screen information/sequences may vary with different software versions and local pump configuration

Always follow screen prompts and before pressing keys to proceed, ensure selections made correspond with what is required
**Start a new infusion**

Prepare bag and set as per local policy

To power on, press and hold down the ON/OFF key until a beep is heard and screen displays

**BodyGuard Color Vision 546 EPIDURAL**
- Serial Number: xxxxxx
- Production Date: 1-Oct-2011
- Software Version: xxxxxx

Next screen displays pump settings

**Level One Code**

Enter code, press START/OK

**Prime**

To prime, press START/OK

**Learning Phase**

Enter code, press START/OK

**Level One Code**

Select the Protocol required (use key if necessary), press START/OK

Check protocol, if correct, press START/OK

**Start Infusion?**

Connect set to the correct patient access port and unclamp if necessary

When ready to do, press START/OK to start protocol/infusion

**Infusion screen running**

- Infusion type/current time
- Protocol letter and name
- Basal rate (mL/hr, mg/hr, or mcg/hr)
- Patient controlled bolus dose and lock out time
- Actual pressure bar

**Rate Change During Delivery (Rate Titration)**

Remember to de-activate and activate keypad lock if necessary

1. With the infusion in progress, enter the new rate using the numerical keypad, press START/OK
2. Enter relevant code, press START/OK
3. Check the rate change is complete on the infusion running screen

**Changing Bolus Dose and/or Lock out time**

Remember to de-activate and activate keypad lock if necessary

1. Press PRIME/BOLUS
2. Select either “Change Bolus Dose” or “Change Lockout Time”, press START/OK
3. Enter values required, press START/OK
4. Enter relevant code, press START/OK
5. Check change complete on protocol running screen

**Clinician Bolus (Designated Users Only)**

Remember to de-activate and activate keypad lock if necessary

1. Press STOP/NO
2. Press BOLUS
3. Enter Clinician Bolus access code, press START/OK
4. Follow on-screen prompt to enter the Bolus dose required, press START/OK to commence delivery
   - Press STOP at any time to stop delivery
   - On completion of Bolus delivery, the infusion running screen displays

**Bag Change**

Ensure set is clamped/disconnected from patient’s access device.

If end infusion alarm activates:

- Keypad Lock is automatically removed
- Press STOP/NO to confirm end of infusion and mute alarm
- Follow screen prompts to return to main menu, complete bag change, re-commence protocol and activate keypad lock

If changing bag prior to end infusion alarm:

- Press INFO to record VTBI and VI
- De-activate keypad lock
- Press STOP/NO to stop the infusion
- Follow screen prompts to return to main menu, complete bag change, re-connect/unclamp set, resume protocol, and activate keypad lock

**Note:** When a protocol is resumed and the protocol summary displays, the new VTBI and the total of all volume infused to date out of previous bag(s) will display.