













# HeartMate 3™ Pocket Controller

## Alarm Reference Guide

Priority	System Controller Screen	Active Symbols	Alarm Means	To Resolve Alarm
<b>H A Z A R D</b>			Pump is off. The pump running symbol is black.	<ol style="list-style-type: none"> <li>1. Check the connections</li> <li>2. Change power source</li> <li>3. Call VAD Emergency Number <b>734-477-6722</b></li> <li>4. Change the controller</li> </ol>
			System Controller Hardware Fault (Microcontroller Failure)	<ol style="list-style-type: none"> <li>1. Call VAD emergency number <b>734-477-6722</b></li> <li>2. Prepare to change the controller if not feeling well.</li> </ol>
			Driveline is disconnected. The pump running symbol is black.	<ol style="list-style-type: none"> <li>1. Check the connections</li> <li>2. Change the power source</li> <li>3. Call VAD emergency number <b>734-477-6722</b></li> <li>4. Change controller</li> </ol>
			Both power cables are disconnected.	<ol style="list-style-type: none"> <li>1. Immediately connect to power source</li> <li>2. If alarm persists, call VAD Emergency Number <b>734-477-6722</b></li> </ol>
			Low flow; flow is less than 2.5 lpm	<ol style="list-style-type: none"> <li>1. Call VAD Emergency Number <b>734-477-6722</b></li> </ol>

			<p>Low Battery Power; Input power is extremely low with less than 5 minutes remaining</p>	<ol style="list-style-type: none"> <li>1. Change batteries or go to Mobile Power Unit.</li> <li>2. If alarm persists call VAD Emergency Number <b>734-477-6722</b></li> </ol>
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Priority	Controller Screen	Active Symbols	Alarm Means	To Resolve Alarm
<b>A D V I S O R Y</b>			<p>One of the two power cables is disconnected</p>	<ol style="list-style-type: none"> <li>1. Promptly connect the disconnected power cable to power source</li> <li>2. If alarm persists, call VAD Emergency Number <b>734-477-6722</b></li> </ol>
			<p>Low voltage-power input is low, with less than 15 min remaining</p>	<ol style="list-style-type: none"> <li>1. Change batteries or go to Mobile Power Unit.</li> <li>2. If alarm continues, call VAD Emergency Number <b>734-477-6722</b></li> </ol>
			<p>System Controller hardware fault</p>	<p>Call VAD Emergency Number <b>734-477-6722</b></p>
			<p>Data communication (comm) error between LVAD and system controller</p>	<p>Call VAD Emergency Number <b>734-477-6722</b></p>
			<p>System controller backup battery fault</p>	<p>Call VAD Emergency Number <b>734-477-6722</b></p>
			<p>Driveline power wire may be damaged</p>	<p>Call VAD Emergency Number <b>734-477-6722</b></p>

			Driveline communication (comm) wire may be damaged	Call VAD Emergency Number <b>734-477-6722</b>
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## When do I need to change the controller?

The controller for a red heart **HAZARD ALARM**, when the green pump running symbol is black the controller is changed as the last step in the 4Cs

For an **ADVISORY ALARM** the VAD Coordinator may direct you to change the controller while on the phone with you

## How do I change the controller?

In preparation for a controller change you will need to lay down in comfortable position. Follow these steps to change your controller:

- 1 Unlock the driveline safety lock on the current controller.
- 2 Move the white connector's power source from the running controller to the backup system controller.
- 3 Promptly move the driveline from the running controller to the backup system controller.
  - Align driveline arrow/alignment mark with arrow on the controller.
  - Firmly insert the driveline until it snaps into place. Slide the safety lock over the red button.
- 4 Ensure that the green pump running symbol is illuminated.
- 5 Move the back connector's power source from the running controller to the backup system controller
- 6 Put the old, replaced system controller into sleep mode by pressing and holding the battery button for 5 seconds.
- 7 Do not use the old system controller again. Your VAD coordinator will make arrangements with you to get you a new backup controller.

3. Shut down the old system controller:

- Put the old, replaced system controller into sleep mode by pressing and holding the battery button for 5 seconds.
- Do not use the old system controller again. Your VAD coordinator will make arrangements with you to get you a new back up controller.

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Author: Center for Circulatory Support Team  
Reviewers: Bethany Lee-Lehner, RN, MSN

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CVC Control #1103