




















HeartMate 3™ Pocket Controller Alarm Reference Guide

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

	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;"> Replace Power Immediately ⊖ :02 </div> <div style="font-size: 2em;">+</div> <div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;"> Low Battery ⊖ :06 </div> </div>		<p>Low Battery Power; Input power is extremely low with less than 5 minutes remaining</p>	<ol style="list-style-type: none"> 1. Change batteries or go to Medical Procedures Unit. 2. If alarm persists call VAD Emergency Number 734-477-3722
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Priority	Controller Screen	Active Symbols	Alarm Means	To Resolve Alarm
A D V I S O R Y	<div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Connect Power ⊖ :04</div>		One of the two power cables is disconnected	<ol style="list-style-type: none"> 1. Promptly connect the disconnected power cable to power source 2. If alarm persists, call VAD Emergency Number 734-477-6722
	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Replace Power ⊖ :02</div> <div style="font-size: 1.5em;">+</div> <div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Low Battery ⊖ :06</div> </div>		Low voltage-power input is low, with less than 15 min remaining	<ol style="list-style-type: none"> 1. Change batteries or go to Medical Procedures Unit. 2. If alarm continues, call VAD Emergency Number 734-477-6722
	<div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Call Hospital Contact <small>Controller Fault</small></div>		System Controller hardware fault	Call VAD Emergency Number 734-477-6722
	<div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Call Hospital Contact <small>Comm Fault</small></div>		Data communication (comm) error between LVAD and system controller	Call VAD Emergency Number 734-477-6722
	<div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Call Hospital Contact <small>Backup Battery Fault</small></div>		System controller backup battery fault	Call VAD Emergency Number 734-477-6722
	<div style="border: 1px solid black; padding: 2px; background-color: #003366; color: white; text-align: center;">Call Hospital Contact <small>Driveline Power Fault</small></div>		Driveline power wire may be damaged	Call VAD Emergency Number 734-477-6722

			Driveline communication (comm) wire may be damaged	Call VAD Emergency Number 734-477-6722
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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 Prepare the new controller
- 2 Place the backup System Controller within reach
- 3 Replace the new controller
 - Unlock the driveline safety clip on the current controller
 - Move the white connector's power source from the running controller to the backup system controller.
 - Promptly, move the drive line from the running controller to the backup system controller.
 - Ensure that the green pump running symbol is illuminated 
 - Move the black connector's power source from the running controller to the backup system controller.
 - Unlock and expose the red button
 - 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

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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