



7929 SW Burns Way
Suite B
Wilsonville, OR

Phone: 503 344-5085
Fax: 503 682-9014
sales@rinehartmotion.com

HW Version Update Process

Revision 0.3



7929 SW Burns Way
Suite B
Wilsonville, OR

Phone: 503 344-5085
Fax: 503 682-9014
sales@rinehartmotion.com

Revision History

Version	Description of Versions / Changes	Updated by	Date
0.1	Initial version	Azam Khan	7/25/2011
0.2	-	Azam Khan	5/4/2012
0.3	Updated document format	Azam Khan	8/7/2012



7929 SW Burns Way
Suite B
Wilsonville, OR

Phone: 503 344-5085
Fax: 503 682-9014
sales@rinehartmotion.com

Table of Contents

1	INTRODUCTION.....	4
1.1	PURPOSE	4
1.2	SCOPE.....	4
1.3	DEFINITIONS, ACRONYMS, AND ABBREVIATIONS	4
1.4	REFERENCES	4
2	UPDATING HW VERSION	5



1 Introduction

1.1 Purpose

The purpose of this user manual is to provide a process to update HW version and other related parameters.

The intended audience of this document is primarily customers and end users of PM controller.

1.2 Scope

This document describes the process to update HW version for a specific controller. It provides the default symbols file that is used by the GUI to change and store the value of the parameter.

HW Version (HW_Version_EEPROM) is an EEPROM parameter that tells the controller what type of hardware is actually in place. This allows the controller to distinguish between a PM100DX and PM100DZ, for example. It also can be used to modify certain operating limits.

This parameter is factory preset and normally should not require change.

1.3 Definitions, Acronyms, and Abbreviations

Terms	Definitions
HW	Hardware
EEPROM	Electrically erasable programmable read-only memory
GUI	Graphical user interface – a specific RMS application to monitor and update parameters.
defsyms file	Default symbols file – used by RMS GUI

1.4 References

- defsyms_HW_version_mod.txt



2 Updating HW Version

Here are the steps you need to follow to change the HW version:

1. The file 'defsyms_HW_version_mod.txt' should have been provided with this document. Save it in the same folder where the firmware (same firmware that is using on the inverter to be modified) and the existing GUI defsyms file is located.
2. Make sure that computer is connected to the inverter and 12V power is applied.
3. From the 'File' menu, select 'Load Symbols File' and choose the file 'defsyms_HW_version_mod.txt'.
4. Click on the tab, EEPROM View.
5. Click on "Save" button to save the values relevant to HW Version.
6. Click on the value of the parameter, HW_Version_EEPROM and change it to the desired new value.
Important Note: This is an important parameter that must not be changed without careful considerations and consultation with RMS.
7. Click on 'Program EEPROM' button. You should see EEPROM Programming Successful message. Cycle power to the inverter. Close RMS GUI app.
8. Restart GUI as normal. The hardware version has been changed. The banner of the GUI software should reflect the new hardware version.
9. Click on "Save" button to save the complete set of current values in defsyms file.