



## **Sauer-Danfoss HWD MC88-15 10108098**

### **Revision History**

This file contains important supplementary and late-breaking information that may not appear in the main product documentation. We recommend that you read this file in its entirety.

#### **Version 10108098v150 (November 2008)**

##### **Version 1.50: What is New**

- Updated data sheet.
- Fixed bug regarding handling Array Constants from binary file with space in the name.

##### **Version 1.50: Known issues**

- The memory calculation would not be correct, when the ReadOnlyParameters is in ENABLE mode. The Total amount of ROM should be reduced with 8,192 to get the correct calculation.

##### **Version 1.50: Information**

- New version of PLUS+1 Controller Family Technical Information available at [www.sauer-danfoss-plus1.com](http://www.sauer-danfoss-plus1.com) . Download and install as hardware.

#### **Version 10108098v140 (July 2008)**

##### **Version 1.40: Notification**

- Port name ApplogPort has been changed to FlashDrive. After updating the Sys for a project using Applog, enter the AppArea page and choose FlashDrive from the list.

##### **Version 1.40: What is New**

- Application key support has been added.
- Multiple read-only parameter support has been added.
- Multiple application log file support has been added.
- Better code memory utilization
- Repeat-Until component support has been added.
- Get Time us component support has been added.
- Requires minimum 4.0 version of GUIDE / Service Tool.
- Added data type T, to allow switch of time bases.

##### **Version 1.40: Known issues**

- The memory calculation would not be correct, when the ReadOnlyParameters is in ENABLE mode. The Total amount of ROM should be reduced with 8,192

to get the correct calculation.

## Version **10108098**v130 (March 2008)

### Version 1.30: What is New

- Fixed bug that made some signals invisible

### Version 1.30: Known issues

- The memory calculation would not be correct, when the ReadOnlyParameters is in ENABLE mode. The Total amount of ROM should be reduced with 8,192 to get the correct calculation.
- It is not possible to have white space in the main module file name (default when using template is MC88\_15T.scs) using PLUS+1 GUIDE version 3.1.5 and later.

## Version **10108098**v120 (February 2008)

### Version 1.20: What is New

- Changed OS-Family
- Fixed potential problem with not working(frozen) AppLog
- Fixed potential problem of unit shutdown after application download
- Added new compiler switch to overcome CPU ERRATA from Nov07
- Added method for BUS OFF detection on first CAN-Controller based on info from CPU vendor
- Fixed defect for handling S8 data types for application log

### Version 1.20: Known issues

- The memory calculation would not be correct, when the ReadOnlyParameters is in ENABLE mode. The Total amount of ROM should be reduced with 8,192 to get the correct calculation.
- It is not possible to have white space in the main module file name (default when using template is MC88\_15T.scs) using PLUS+1 GUIDE version 3.1.5 and later.

## Version **10105542**v110 (October 2007)

### Version 1.10: What is New

- Fixed potential problem if download is interrupted.
- Fixed potential problem unit not seen in Service Tool
- Fixed problem in case application uses node-number 32
- Fixed potential problem with OS.Start and OS.LoopCnt not set correct at start-up in application with huge number of nv elements
- Fixed potential problem enabling dig-outs during start-up

### Version 1.10: Known issues

- The memory calculation would not be correct, when the ReadOnlyParameters

is in ENABLE mode. The Total amount of ROM should be reduced with 8,192 to get the correct calculation.

- It is not possible to have white space in the main module file name (default when using template is MC88\_15T.scs) using PLUS+1 GUIDE version 3.1.5 and later.

## Version 10105542v100 (June 2007)

### Version 1.00: What is New

- None, this is the first version.

### Version 1.00: Fixes to the HWD

- None, this is the first version.

### Version 1.00: Known issues

- None, this is the first version.

## Product Information on the Web

For technical information (e.g. how to connect inputs and outputs), visit the Sauer-Danfoss PLUS+1 website:

([www.sauer-danfoss-plus1.com](http://www.sauer-danfoss-plus1.com)).

Telephone support can be obtained by calling:

North America:	Toll free number 1-888-50PLUS1 (1-888-507-5871)
Europe:	+46 476-569 06

Please report all suggested enhancements and great ideas to [helpdesk@sauer-danfoss-plus1.com](mailto:helpdesk@sauer-danfoss-plus1.com)

Please report all defects to [helpdesk@sauer-danfoss-plus1.com](mailto:helpdesk@sauer-danfoss-plus1.com)

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