

Errata to ZEPIR0AAS02MODG: Date Codes Prior to 1226

The errata listed in Table 1 are found in the ZMOTION Detection Module (ZEPIR0AAS02MODG) with date codes prior to 1226. This code is represented in YYWW format; i.e., year and week of assembly. When reviewing the following errata, refer to the most recent version of the [ZMOTION Detection Module Product Specification \(PS0284\)](#), which is available free for download from the Zilog website. The information contained in the document should be considered preliminary.

All items in Table 1 have been fixed with *ZMOTION Detection Module Source Code Release Version 3.0 (for ZEPIR0AAS02MODG)*. This code is available free for download from [the Zilog Store](#); simply select **Downloadable Software** from the **Categories** list in the left sidebar.

Table 1. ZEPIR0AAS02MODG series Errata with Date Code prior to 1226

No	Summary	Detailed Description
1	MD output is triggered when the LG input is below 1V.	When the Delay time is set to 3 minutes or longer, the MD output is triggered even when the LG input is below 1V. This occurs in H/W and Serial modes. Workaround None
2	Range value of 0 to 15 is accepted by module.	The Range value accepted by the module is 0 to 15. It should only accept values from 0 to 7. When an invalid range value from 8 to 15 is used, the actual Range value selected will be 0 to 7. Issue exists in Serial mode only. Workaround In serial mode, only use Range values from 0 to 7.
3	'L' command responds with invalid data.	'L' command (Light Gate Threshold value) sends the current value twice in ASCII mode (K=A), and streams invalid data in the Decimal (K=D) mode until another character is received. Workaround ASCII Mode: Ignore second value sent by module. Decimal Mode: Set module to ASCII Mode (K=A) before using 'L' command, then return module to Decimal Mode (K=D) after the command is complete.

For ZEPHIR0AAS02MODG Parts with Date Codes 1226 and Later

The revision history of the ZMOTION Detection Module is listed in Table 2; this history can also be found in Appendix C of the [ZMOTION Detection Module Product Specification \(PS0284\)](#).

Table 2. Software Revision History for the ZEPHIR0AAS02MODG Part

Returned Value ('i' Command)	Software Revision	Changes/Updates
1	1.0	Initial Production Release.
2	2.0	Support for additional features in the ZMOTION Detection Module. Added ASCII serial mode, RAM R/W, and sleep timer. Improved SLEEP Mode current.
4	2.0	Support for additional features in the ZMOTION Detection Module. Added ASCII serial mode and sleep timer. Improved SLEEP Mode current.
6	3.0	Fixed issue with 'L' command. Added 'G' and 'g' commands. Fixed range value issue. Fixed issue with LG input when delay is 3 minutes or greater. Added command for Hyper Sense level.

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