Revision 2:

TB013 reported that when using the "**Fixed Blocks**' or '**FIXED ALL**' setting with Firmware Versions 03.02.06 through 03.04.05 and Versions 04.01.16, the transmitter would use only 8 blocks (seconds) of data following the sensor test rather than the configuration setting for fixed number of blocks. The problem was corrected in Firmware Versions .3.04.07, .3.04.08, and 03.04.10; however, the problem has remained in Firmware Versions 04.02.25, 04.02.26, and 04.02.27.

The resolution identified at the time (see below) still applies. Remember to use one of the workarounds any time a sensor test is performed when using affected firmware versions.

Problem:

If a '**SENSOR TEST**' is performed on a flow transmitter configured to use '**FIXED BLOCKS**' (seconds of data) or '**FIXED ALL**' (seconds of data and fixed frequency search limits), the transmitter will use only 8 blocks (seconds) of data following the sensor test rather than the configuration setting for fixed number of blocks.

This problem exists in all transmitters with Firmware Version 03.02.06 through our current release Firmware Version 04.01.16.

Note: The fixed blocks or fixed all settings are not used very often. Typically they are used when the flow rate is very low or the flow signal is extremely hard to detect.

Resolution:

The following workarounds have been identified for transmitter running fixed blocks or fixed all following a sensor test:

1. One 'universal' workaround is to press the reset button found on the upper left edge of the transmitter board (if the meter is so equipped) or to cycle power to the transmitter.

   a. Note: The data history will be erased. Download the data history if it is needed prior to resetting (restarting) the transmitter

2. A second 'universal' workaround is to reload the configuration file using the ethernet or serial port and a computer.

3. If the transmitter has a USB port, reload the configuration from the memory stick.

Priority Code:			
1	Safety issue or system will not function	2	Intermittent problem causing system crash
3	Erratic data/readings	4	Added product feature
5	Product enhancement		

A permanent solution to this problem has been identified and will be included in the next release of transmitter firmware.

Please contact CiDRA Technical Support if there are any questions or comments.

Document Change History

Date	Revision	Changed By	ECO #	Description of Change
27Aug07	01	Markoja	E07-0103	Initial Release
24Nov07	02	Markoja	E08-0101	Add note of problem occurring in Versions 04.02.25, 04.02.26, and 04.02.27

Priority Code:			
1	Safety issue or system will not function	2	Intermittent problem causing system crash
3	Erratic data/readings	4	Added product feature
5	Product enhancement		