



902 Hex File programming issue

Description of issue:

When parameters are changed through the keypad and then the Enter and Exit keys are hit quickly, the Alarms Bypass may be activated. This occurs because the speed of the ROM memory chip on the 902 motherboard may not have enough time to write the new parameters into memory before the exit key is pressed.

Root cause:

As in all memory chips the write time for each of the same chip may vary from one to another and that is why some motherboards may have this problem whereas others won't. Two in a row were found in the calibration lab which may suggest a batch of slower write time chips may have been used. This chip has been used in our 902 motherboards for at least 6 years and this is the first time this problem has been found.

Resolution:

The real problem is the wait time set in the software (hex file) between the Enter and Exit keystrokes. If this time period is increased, it should eliminate the problem. For any existing boards that have this problem, the solution is to wait at least a second after entering the new parameters before hitting the Exit key. The 902 Hex Files will be updated with the new time period.