

# Release Note #78

**Topic:** Sparton to 289H LSS Conversion Calibration Issue

**General Information:**

This Release Note pertains to a condition where a Sparton monitor's calibration is so far off that major reading differences occur when the system is converted over to a 289H LSS. For example, prior to conversion transducer readings in the Sparton may appear to have valid numeric readings, but they actually read UBAL, OPEN, OPNO or OPNI when the new 289H LSS is connected and the data is converted.

**Specifics:**

All Sparton monitors are intended to have three calibration resistors that normally read 0.5, 5.0 and 9.0 PSI when programmed as pressure devices. A common condition is that when still using the old Sparton, the 9.0 PSI resistor will read in the 6-7 PSI range, and the 5.0 resistor will read in the 3-4 PSI range. The result is that devices which are actually OPEN will read around 7.0 PSI or, in the case of a flow transducer, somewhere in the medium-low range of the flow device.

When a 289H is installed, placed in operation and the data converted, the transducers that were reading around 7.0 PSI will correctly read OPEN (OPNI or OPNO). Customers who are unaware of the Sparton's calibration issue may get the incorrect impression that there is something wrong with the 289H—when, in fact, the transducers were actually OPEN before the cutover occurred. This condition may have existed for many months or even years prior to the cutover procedure.

Questions regarding the information in this Release Note can be directed to John Cote at System Studies Incorporated at (831) 477-8947.

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