

## September 2011 - A8911-23 Firmware changes.

Firmware for the A8911-23 on September 12, 2011, will have a number of minor changes. Users should be aware of these changes and how these may impact any custom applications that may have been developed. Although great care has been taken to maintain the previous feature set, users should test the firmware update prior to deploying this firmware on production equipment.

The firmware update will be provided at no cost.

Firmware release with changes

A8911-23: v1.07

### Description of the changes:

This firmware update provides the following:

- The PCB temperature sensor can now report -50 to +280F.
- Modbus register 41018 has been changed from unsigned to signed 16bit to allow reporting of negative temperature. The firmware will be backwards compatible because the older temperature range will never use the upper bit of the number which is the sign bit in 2's compliment.
- A change was made to address a situation that could potentially corrupt non-volatile memory records that store the pulse count while the power is off. This could appear when multiple pulse channels inputs are closed for long periods of time exceeding 10+ minutes, and are adjacent to non-active channels with non-zero pulse counts, at the time that repetitive brownout or blackout events occur. Under these conditions, it was possible for a non-active channel to reset its count to zero when recovering from a power outage.

