



SQ-SI-360DA SQ-SI2X-360DA ERRATA

ERRATA ID#:	20050223
NOTICE DATE:	2005-03-07
DEVICES AFFECTED:	SQ-SI-360DA, SQ-SI2X-360DA
FIRMWARE VERSION:	3.4c and below
ISSUE:	Angle drift

DESCRIPTION:

Some devices may exhibit a slow angle drift at the rate of approx 0.1 degree/hour.

HARDWARE WORKAROUND:

Resting power to the device will reset the angle output to its correct value. Note that there is a 1 second startup time for the “S” model and a 0.2 second startup time for the “F” model after a reset.

SOFTWARE WORKAROUND:

Sending 0x83 hex (software reset command) via the serial port has the same effect as resetting the power. Likewise this will reset the angle output to its correct value. Note that there is a 1 second startup time for the “S” model and a 0.2 second startup time for the “F” model after a reset.

ACTION:

If your application uses one of the affected devices in a manner where it remains continuously powered for more than a few hours, you should test to determine if your devices experience drifting. If the Hardware Workaround or Software Workaround described above are not possible or are not convenient for your application, SignalQuest will issue an RMA for any parts which are affected by this issue and promptly replace the items so long as we are notified by 2005-05-07 (60 days from the date of this notice).

If you choose not to have your sensors replaced, we recommend that you perform any necessary testing and safeguarding appropriate for your application.

REMARKS:

The drift issue has been corrected in the new 3.4d release of the device firmware. You may send your devices to SignalQuest to have them re-flashed with updated firmware at no charge.

All devices shipped after 2005-02-23 have firmware version 3.4.d or higher and are therefore not affected by the issue.