4.01 release of Isaac HD firmware.

A new release (4.01) of the Isaac HD firmware has been posted to Zaxis internal source code control system (SCCS).

The follow is a list of changes which end users will need to be made aware of as they transition from 4.00 release to the new 4.01 release.

1. The format of the I/O message sent from the Isaac to the PLC has been changed. This effects all PLC code currently using the 4.00 release whom update to the new 4.01 release. PLC Input tags are sent to the PLC from the Isaac tester after the Output tags have been scanned, or processed, by the Isaac tester. Input tags provide the current state of the Isaac to the PLC. The following table list the tags that were changed in the 4.01 release.

Old Name	New Name	Data Type	Description
FlowPort1	TestResults1	DINT	Channel 1 test results. For PD test the pressure delta between the start of the test and the end of the test. For Flow test the flow value at the end of the test.
FlowPort2	TestResults2	DINT	Channel 2 test results.
FlowPort3	TestResults3	DINT	Channel 3 test results.
FlowPort4	TestResults4	DINT	Channel 4 test results.
	Flow	DINT	Current Flow pressure * 1000. E.g. fixed-point decimal.

   As can be seen from the table above, the Flow values for all four ports have been replaced with the final test results for the four ports. The flow value is now returned in a new field called flow.

   The associated EDS file has also been updated to reflect the above changes.

2. The atmospheric pressure value has been added to the Firmware tags. The following table show the old and new tag names.

Old Name	New Name	Data Type	Description
spareInt3 spareInt4	AmtPress	DINT	Atmospheric pressure.