



## Engineering Note

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	Title: Hydro-Control IV Hardware revision summary
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Products affected:	Hydro-Control IV
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Summary:	Summarises the changes between hardware revisions for Hydro-Control IV range of products.

### Operator terminal revisions

Revision	Date	Description
None	Nov 1994	Original production.
A	Jan 1995	Internal changes to production documentation only.
B	10 <sup>th</sup> Jan 1995	Implements RS485 modifications described in engineering note EN0002.
C	27 <sup>th</sup> Nov 1995	Implements temperature compensation for display contrast as described in engineering note EN0009.
D	10 <sup>th</sup> Apr 1996	New main circuit board and power supply installed. This is a major change which includes faster processor, electrical isolation on all inputs and outputs and many other features. It is <b>not</b> possible to upgrade earlier units to this revision status.

### Input/Output unit revisions

Revision	Date	Description
None	Nov 1994	Original production.
A	10 <sup>th</sup> Jan 1995	RS485 'fail-safe' resistors added as modification as described in engineering note EN0002.
B	22 <sup>nd</sup> May 1996	Addition of analogue input components to support water weighing facility now fitted as standard. Earlier units may be upgraded if required - contact our Sales office for further details.
C	1 <sup>st</sup> June 1997	New circuit board layout eliminating redundant terminals & other components. Analogue module is now placed in same orientation as other modules. Mains input voltage is now switch-able between 115Vac and 230Vac. Layout changed slightly to accommodate larger 'green' terminals throughout. Improved EMC performance.