



## Engineering Note

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Title:	Hydro-Control IV Frequently Asked Questions
Document reference (DRC):	EN0012 issue 2
Last updated:	03/02/97
Products affected:	Hydro-Control IV
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Search keywords:	Hydro-Control IV, FAQ, questions, support, help
Summary:	This document answers questions which have been asked of Hydronix Technical Support regarding applications of the Hydro-Control IV system

### **Q - The Mix Log shows a series of questions marks '????' instead of the wet mix reading - why?**

A - This is displayed when the Hydro-Control IV control sequence is terminated before the end of the wet mix phase. Under these conditions, the system is unable to show a meaningful wet mix reading and so '????' is displayed instead.

Conditions which may cause this are...

1. A manual cycle reset occurred from the front panel.
2. A *cycle reset* digital input was received before the end of the wet mix period. If this occurs frequently, you should check that your control system is issuing a cycle reset only when the Hydro-Control IV sequence has completed. Some control systems attempt to control the mixing times themselves and will occasionally terminate the mixing cycle before the Hydro-Control IV has completed, resulting in the '????' display.

### **Q - I have configured the RS232 serial port for 'Remote Link' but the system will not accept any commands from my computer - why?**

A - In addition to setting up the RS232 port, you must configure the source to be 'RS232' for each of the parameters you are trying to change from the RS232 port. This is performed in the Mixer Control Set-up menu.

### **Q - The system will not let me calibrate on the mix cycle I choose - why not?**

A - You can only calibrate on mix cycles which meet certain conditions. Typically, these are...

1. The reading from the sensor was stable at the end of both the dry and wet mixing cycles (also at the end of the first wet-mix when using the 'run set-up cycles' facility).
2. The water addition during the cycle must be greater than or equal to 1% of the total batch weight.
3. Certain alarms must not have occurred during the cycle e.g. leaking water valve.
4. The mix cycle must have terminated normally i.e. the cycle was not aborted.