



# PERFORMANCE BULLETIN

 Product Application Service General

news from

**Pentair**  
Water Treatment

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## 6600/6700 Generation III Timer Improvements



We are currently introducing the next generation of the 6600/6700 timer. The 6700 with the new circuit board started production on May 22, 2000 with serial number 5273294. The 6600 with the new circuit board started production on May 26, 2000. This improvement (Generation III) incorporates the current proven circuitry into a single, more reliable circuit board, which utilizes the latest surface mount technology in its construction. The VF display has also been updated with additional icons added for future use. In addition, a removable battery harness (P/N 19891) has been added to make field repairs easier.

As part of the circuit board improvement, the software used to operate the microprocessor was also updated to V2.0 from V1.6.

The major improvements to 6600/6700-timer operation are as follows:

- Revised Program Protection feature as follows - option code was changed from “g” to “PL”, a 25 second push and hold on the Program button will only turn off the program lock feature now. If this button is then held for an additional 25 seconds, the control will finally reset all program settings to default values.
- If the Program Protection feature was not active in the programming, a 25-second push and hold of the Program button will reset program immediately to the default settings.
- Made US/metric setting immune to a full system reset, similar to 5600SE control.
- Created separate US/metric default values like on the 5600SE.

- With Valve Type #2 (6700) is selected, moved Regeneration Cycle Steps #5 and #6 to Level #1, without LED indicators, for all modes of operation. This change reduces customer confusion with Variable Brining selected.
- Increased the resolution of Variable Brining (7-----4) BLFC setting from 0.1 to 0.01g.p.m. This change increases the amount of potential applications for this feature.
- Made Chlorinator Indication Setting (J-----?) viewable in all US/Metric modes.
- Revised Sensor Input error detection. If the Sensor Input signal is never removed during regeneration, the control will, upon resumption of Service, go through the sensor de-bounce routine once more before initiating another regeneration cycle.
- The current time of day may now be adjusted at any time.
- Added 1-second pulse as minimum relay on time setting for Chemical Pump Output Feature.
- Change the 6600 to operate with an **alkaline battery**, same as the 6700.

Enclosed you will also find a copy of the new service manual for 6600/6700 control valves as follows:

6600 Downflow	P/N 19107	Rev. 2 12/99	Printed 1/00
6600 Upflow	P/N 19108	Rev. 2 12/99	Printed 1/00
6700 Downflow	P/N 19085	Rev. 2 12/99	Printed 12/99
6700 Upflow	P/N 19086	Rev. 1 12/99	Printed 2/00

As always, thank you for using Fleck controls.

Sincerely,  
Pentair Water Treatment, Inc.



Jay Runkle  
Technical Product Support