



PERFORMANCE BULLETIN

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Product Application Service General news from



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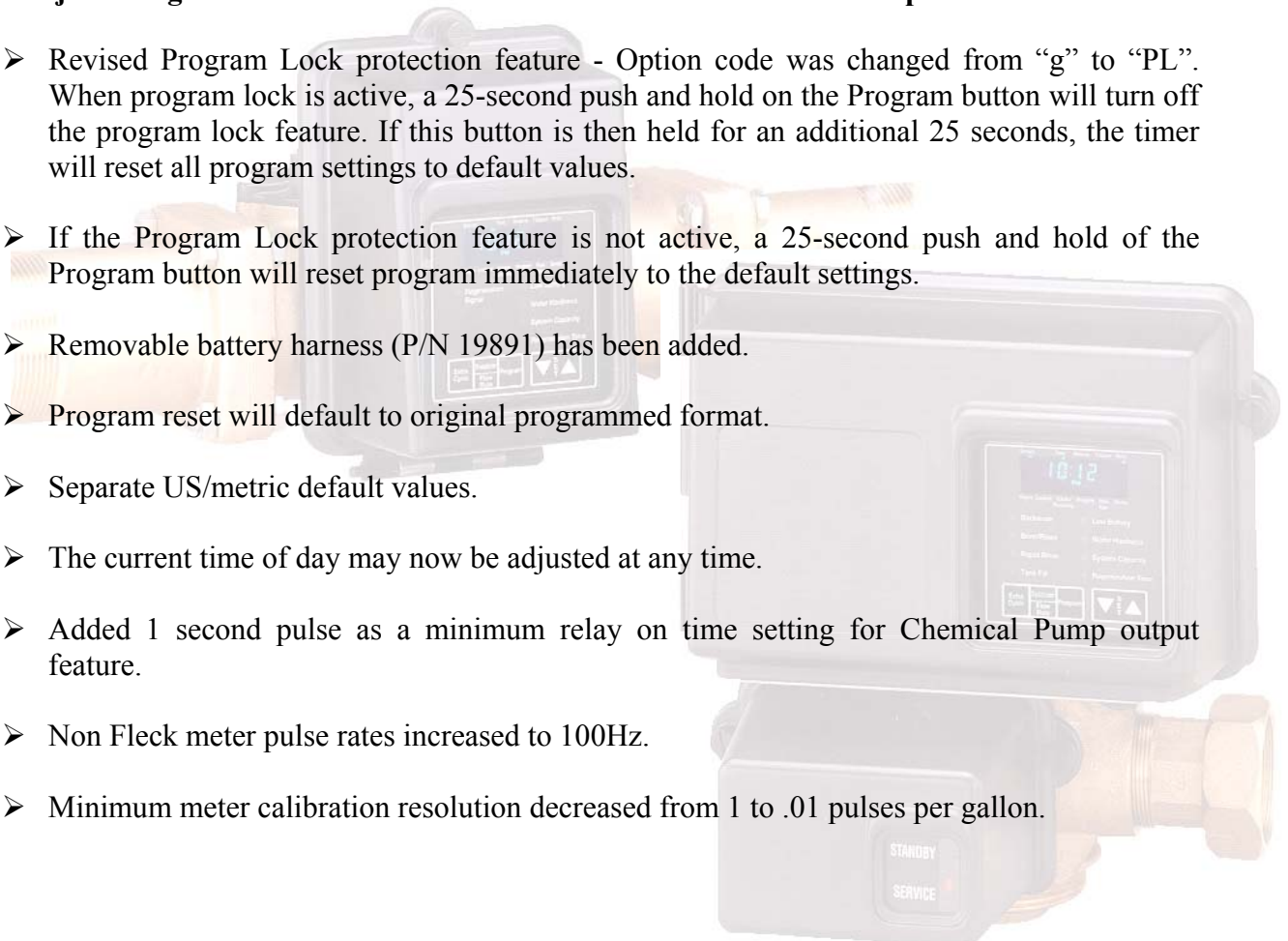
3200ET Generation IV Timer

We are currently introducing the next generation of the 3200ET timer. The new 3200ET circuit board will begin production on July 24, 2003 in 24-volt configuration only. Each control valve may be ordered with a 100 – 105 VA transformer. The 3200ET timers that are 120 and 220 volt will no longer be available as an option on a control valves or remote meters, but the timer can be ordered as a service assembly.

This new change (Generation IV) 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. 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 changes to 3200ET Control Valve and Remote Meter timer operation are as follows:

- Revised Program Lock protection feature - Option code was changed from “g” to “PL”. When program lock is active, a 25-second push and hold on the Program button will turn off the program lock feature. If this button is then held for an additional 25 seconds, the timer will reset all program settings to default values.
- If the Program Lock protection feature is not active, a 25-second push and hold of the Program button will reset program immediately to the default settings.
- Removable battery harness (P/N 19891) has been added.
- Program reset will default to original programmed format.
- Separate US/metric default values.
- The current time of day may now be adjusted at any time.
- Added 1 second pulse as a minimum relay on time setting for Chemical Pump output feature.
- Non Fleck meter pulse rates increased to 100Hz.
- Minimum meter calibration resolution decreased from 1 to .01 pulses per gallon.



The major changes to 3200ET-valve timer operation are as follows:

- Increased the resolution of Variable Brining (7-----4) BLFC setting from 0.1 to 0.01 g.p.m. This change increases the amount of potential applications for this feature.
- 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.
- Control valve wiring has been updated to reflect 24 volt only.
- Made Chlorinator Indication Setting (J-----?) viewable in all US/Metric modes.
- Turn on TAO prior to driving valve into regeneration if set to 000.0.
- Add tank-in-service display for twin tank control valves.
- All regeneration steps are in level #1.

The major changes to 3200ET remote meter timer operation are as follows:

- Remote meter “Valve Type” programming is now selected with a jumper plug on the circuit board. The Valve Type option will be skipped in 2nd level programming.
- Remote meter wiring updated to operate 24volt timer with 120/220-volt valve systems.

Enclosed you will also find a copy of the new service manual for 3200ET Timer and Remote Meter Timer.

3200ET Control Valve Timer	P/N 19487	Obsolete
3200ET Remote Timer	P/N 19488	Obsolete
3200ET Control Valve & Remote Meter Timer	P/N 41141	New

As always, thank you for using Fleck controls.

Sincerely,
Pentair Water Treatment, Inc.



Jay Runkle
Technical/Sales Support