

Equipment Technical Bulletin

Summit E/XL v3.00 Firmware Upgrade



Summit E v 3.00 is an updated firmware set in the pumpbox, including reliability and feature enhancements. It supersedes previous firmware versions, including the current version 2.01. It will be on all Summit E's and XL's that we ship beginning February 1, 2008.

NEW FEATURES WITH V3.00

Flush Manifold Flow Switch Filtering

- 2.01 and lower firmware versions rang an alarm when the flow switch contact closure flickered due to water hammer, in some cases causing erroneous no-flow errors.
- Firmware 3.00 solves this by not ringing an alarm until 4 no flow-switch readings are received, instead of just one as on the previous firmware.
- Field tests have shown this change reduces or eliminates erroneous no flow errors.

Total Formula Counts

Firmware 3.00 allows you to see the total formulas run and alarm counts for all formulas, by scrolling from F1 to F "all" as shown below.



Block Unused Formulas

- V2.01 and lower firmware versions displayed all 16 formula numbers or names, whether they were used or not.
- Firmware 3.00 only displays formula names in the Run Mode for which a formula name is programmed, so a dispenser that only has 8 formulas programmed will only display formulas 1-8 in Run Mode
- To blank out formula names, just change the unused formula names to blank spaces, i.e. change "F16" to " ".

TAFS Mode Formula Count

V3.00 logs formulas as completed in TAFS mode, as soon as the first batch transfer signal is received.

End Pump Default Number Change

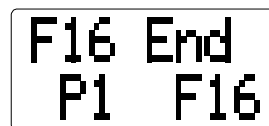
- In firmware version 2.01 and lower, the "End" pump was pump 8. This caused some users who had no pump 8 in their install to not log formulas as complete and not clear alarms at the end of the formula. The user could change the setting to a

different pump number, but some installers didn't realize they needed to do this.

- Firmware version 3.00 uses pump 1 (P1) as the default "End" pump, so that if the setting isn't changed, formulas will still be logged as complete and alarms will get cleared from the programmer at the end of the formula.

New Formula Assignment

- New Formula Assignment allows you to have the formula number revert to F1 (or any one you choose) after the "End" pump action is complete.



- This allows you to have the default formula number chosen, so for example, they don't re-run a bleach formula on accident.
- Note that if the default "End" pump number is left as P1, the formula number will change mid-formula, as soon as P1 runs, so it's important when using this feature to set the "End" pump accurately for each formula, as otherwise the wrong chemistry could be injected.

FAQ

- PCB upgrades: Units can be upgraded by swapping out the PCB, but the PCB's themselves cannot be upgraded in the field because they don't use a socketed EPROM. For customers wanting to send in old PCB's to be reprogrammed, we'll perform this service for \$20 per PCB with a 5-PCB (\$100) minimum.
- Summit E and spare PCB item numbers are not changing.
- Compatibility with other parts (programmer, TR6000, TR8000, flush manifold) is unchanged.



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