

SureBatch Software Release Notes

Version 2.0.3 – 11-7-2022

Issue:

Occasionally the power supply would drop out enough to trigger the controller processor to reboot.

Solution:

Increased duration of ramped motor speed change.

The ramp up is now three seconds for auto. At the end of this three seconds the motor speed would be 20%. At this point, the motor control would resume and increase or decrease motor speed as needed.

The ramp up is now two seconds for manual. At the end of this two seconds the motor speed would match the motor speed % on the display.

Version 2.0.2 – 10-5-2021

Issue:

When pump is set to start at 100% from 0, the power supply tended to drop out due to heavy load as motor spins up. This may be accompanied by the message “PLC No Response”, which means the display has lost communication with the controller. A sudden full start of the pump could trigger the controller to restart, which would cause the pump to stop and the display to lose communication.

Solution:

Added ramped motor speed change.

Any time motor starts from stopped, manual or automatic, the motor does not immediately jump to target speed. It increments 10% of difference between target and stopped. This 10% speed increase happens every 100 milliseconds. After one second, the motor is at the desired speed.

- If motor is already running and on manual:
 - If slower speed is requested, the speed changes without ramp.
 - If faster speed is requested, the speed increase is ramped.

Version 2.0.1 – 2-16-2021

This update fixes the following bug:

- All outputs toggle on about 5 to 10 seconds after power on. After an additional few seconds, all outputs then toggle again.

Version 2.0.0 – 12-7-2020

This software update requires the nano54415 controller hardware. Any SureBatch manufactured after year 2020 will utilize this software.

This controller software will require display software version A3.

Version 1.1.1 – 11-2-2020

Issue:

Product accumulation is showing an erroneous jump in accumulation when flow is restored after emptying a container.

- This applies to the pulse flow meter feature.

Version 1.1.0 – 1-21-2019

- Added option to use either pulse or mass meter for product flow.
- Also implemented toggle switch that will be activated by liquid in the system, to verify flow.

Version 1.0.1 – 12-7-2016

- Carrier Enable Setting was not being properly saved to EEPROM.
 - Fixed carrier enable settings so “SavedSetting == true” when changed.