SureBatch Software Release Notes

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.

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.