

Support Bulletin-SB-24-10018
Date-9.16.2024
Title: PWM to Servo Module Updated Setting
Product Line: NH3
Model: Sentinel
Level: Public
Author(s): Bo Downing
Revision Letter: A



Overview: This is to help identify the correct setting that we need for the 208-06-5566Y2 PWM to Servo Module compared to the Y1 Version settings. This also highlights the modules that have the different color lights for the open and close signal.

Links to Supporting Info:

Solution:

Here is how to identify the module that you have. This is for any module that has been built since August 1st 2024.



208-06-5566Y2 module that works on 1.5.0 and newer software (needs control type Rate Servo): Processor flashes twice and a pause over 1.5 sec

Ctrl Mode: Rate Servo

Ctrl Speed: 350

PWM Max: 70 (not to exceed 97)

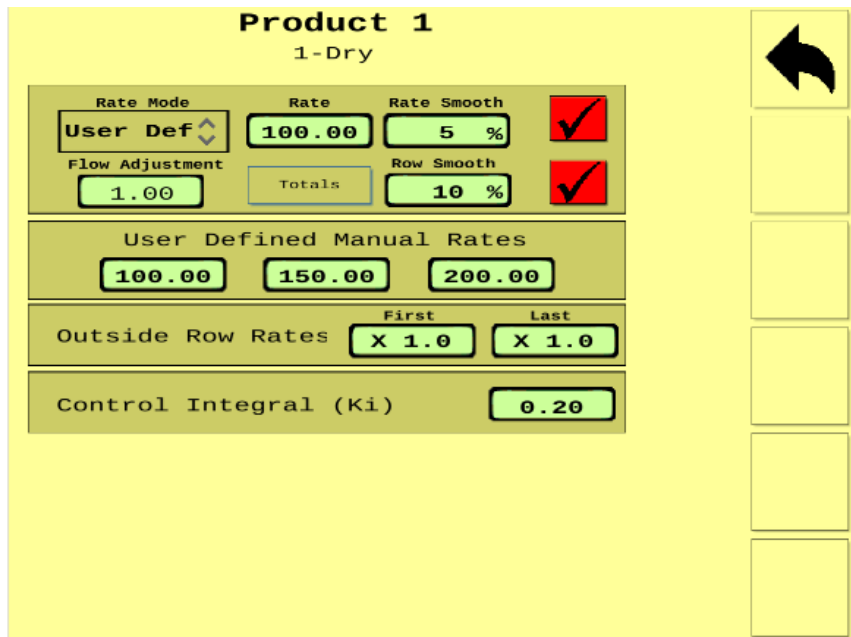
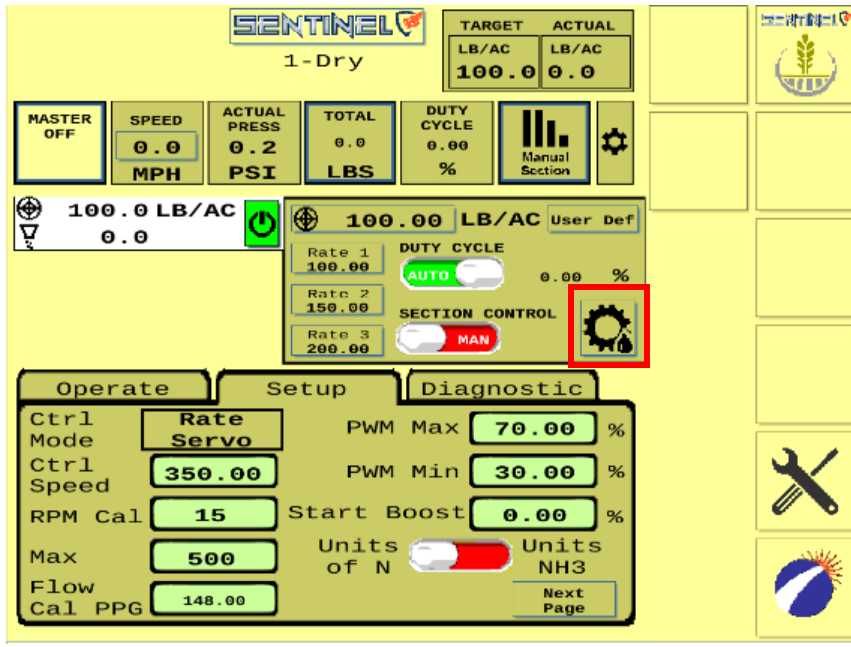
PWM Min: 30

Start Boost: 0

Navigate to the Rate Setup Page by touching the icon in the red box,

Rate Smooth: 5%

Control Integral (ki): 0.2



208-06-5566Y1 module that was used on 1.4.x versions of software (needs control type Rate PWM): Processor flashes evenly 5 times per second

Ctrl Mode: PWM

Ctrl Speed: 300

PWM Max: 97

PWM Min: 4

Start Boost: 50

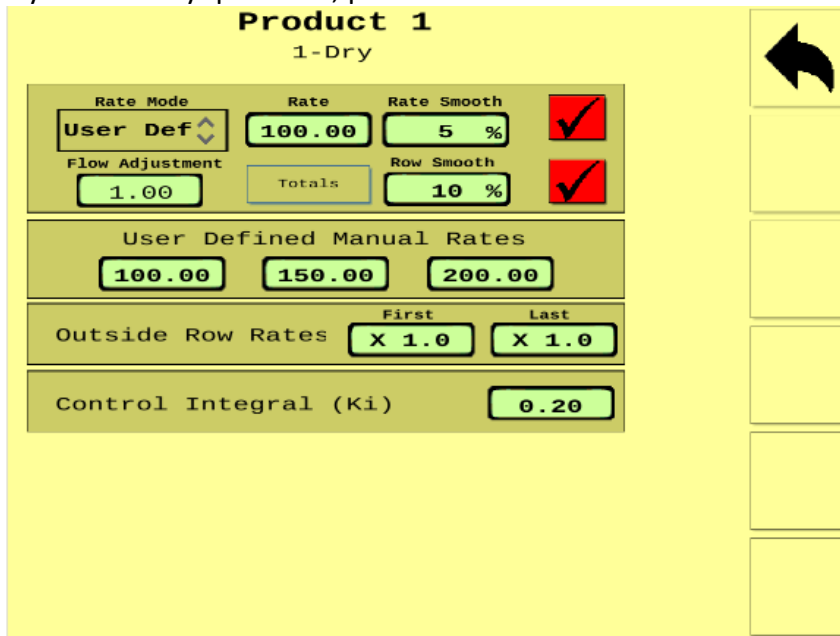
Navigate to the Rate Setup Page by touching the icon in the red box (left image) Set-

Rate Smooth: 5%

Control Integral (ki): 0.1

Thanks for your continued business with SurePoint Ag Systems.

If you have any questions, please contact our office at 866-626-3670



PWM to Servo Module Diagnostics Lights

Normal Operations- Yellow/Blue changing as you go through the field

Red: Either master is off or the PWM signal is too low and the valve will remain in the same position.

Yellow(Modules built on 10/7/2024, 11/22/24, and 12/20/2024 are purple): The valve is being commanded to shut

Blue(modules built on 10/7/2024, 11/22/24, and 12/20/2024 are green): The valve is being commanded to open

