



396-5867Y1

Supplement to 396-4035Y1
& 396-5477Y1



LIQUID ROW MONITOR and RATE CONTROL & ROW CONTROL


Using the Setup Guide Wizard for Software Version 1.4.0 and above

Legend:

- A = distance from Hitch to implement pivot (axle)
- B = implement offset (left or right)
- C = distance from Implement pivot (axle) to application point

(This combines with the geometry set up in the controller for the position of the GPS in relation to the hitch)

Use this along with the screenshots in 396-4035Y1 or 5477Y1 to set up the Sentinel for your application.

Setup Guide 

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Ground Speed


Simulate Speed 5.0 MPH

ECU Speed Calibration 0.189 MPH

Speed Units MPH

Diagnostic

Ground Speed	0.0
Wheel Speed	0.0
Machine Selected Speed	0.0
ECU Input Speed	0.0

Setup Guide 

System Start/Stop Options

Use Master Switch ☐ 11

Use Height Switch ☐ 12


11. Are you using a foot switch for Sentinel?
12. Are you using a height switch for Sentinel?

Section Control Options

Enable Task Control ☐ 13

Enable IntelliSection Technology ☒ 14

13. Check if doing rate control, section control, mapping, Rx, etc.
14. Check if only using Sentinel for Liquid Row Monitoring.

Setup Guide 

Product 1

17

Product Type Liquid 15

Liquid NH3 15

Sentinel Mode LiqRateCont 16

Liquid Row Monitor

Liquid Rate Control

Liquid Rate Control + Monitor

Liquid Row Control + Monitor

NH3 Row Monitor

NH3 Control

NH3 Monitor + Control

16 Liquid

16 NH3

Setup Guide 

Product 1

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Total Sections 4 19

Total Rows 16 18

Row Spacing 30.00 Inch 20

Implement Width 40.0 FT


Start Section 1 Use CAN Valves ☐ 21

App Units GAL 22

Off-Rate Tolerance 25.0 % 23

EXIT

GAL	Avg	X 1.0
22		
L	Rx	X 0.5
OZ	User Def	X 1.5
	26	28
ML	Row Def	X 2.0

Setup Guide 


Product 1

25

Total Rows 16

Sec#	Num Rows	Sec#	Num Rows	Sec#	Num Rows	Sec#	Num Rows
1	4						
2	4						
3	4						
4	4						

24 Verify

Setup Guide 

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Rate Mode User Def

Rate 20.00 Rate Smooth 10 % ☒

Flow Adjustment 1.00 Totals Row Smooth 10 % ☒

User Defined Manual Rates

5.00 10.00 20.00 27

Outside Row Rates First X 1.0 Last X 1.0 28

Control Integral (Ki) 0.10

LiquiShift Enable 29 ☒

LiquiShift A/B Close On Stop ☐

Injected Into Carrier Prod 0 ☐ 30

EXIT

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Setup Guide SENTINEL

Product 1

Pump Model **32** ---

Ctrl Mode Rate PWM Max 80.00 %

Ctrl Speed 200.00 PWM Min 25.00 %

RPM Cal 15 Start Boost 0.00 %

Max RPM 500 Open PWM 0.00 %

Flow Cal PPG 2000.00 Verify with meter label!

Press 0-5V 100.0 Tank Alarm % 0

Tank Capacity 0

Tank Level 0 **33**

EXIT

32 ---

PR17

PR30

PR40

PR80

D250

Tower Electric

Spartan

32. Select the Pump. Appropriate values will automatically be entered on this page.

*If **Spartan** is selected, enter the Flow Cal for the model you are using.*

New for 2023 in Software Version 1.4.0

The Setup Guide Wizard will guide you through setting up the screens for the type of application you will be doing.

Use this document along with the screenshots in 396-4035Y1 or 5477Y1 to set up the Sentinel for your system.



Scan the QR code to see the latest SurePoint Liquid Systems Manuals and Software Updates:





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