RC300 version 1.03 Basic Configuration Settings

The configuration menu is accessed by holding down the "Cancel" button and at the same time pressing the right arrow button. After this menu has been accessed and changed please press "Ok" and then turn the controller off by holding down the power button. If this last action is not performed any of the changes may not be made.

Factory Settings RC300 version 1.03			
Motor 1 pulses (1 - 99)	8		The number of teeth on the star wheel on the top of the motor 1.
Motor 2 pulses (1 - 99)	8		The number of teeth on the star wheel on the top of the motor 2.
Wheel Pulses (1 - 199)	20		The number of teeth on the star wheel on the inside of the ground wheel or on the jockey wheel.
Distance Pulses (1 - 99999m)	2500		This is a primary area setting. This can be any measured distance between 1m and 99999m. Must be the correct count for that distance. (see next entry)
Distance Length (1 - 9999m)	100		This is a primary area setting. This is the length over which the wheel pulses have been measured over in meters. (see above)
Hopper Width enter in millimeters (300 - 9999m)	3000		This is a primary area setting. If this is not correct the machine will not dispense the correct amount of product per H/a Width is the number of tynes multiplied by the tyne spacing. E.g. 23 x 121 = 2783 or 29 x 121 = 3509 or 49 x 121 = 5929
Sample Rate Fast (1 - 2500)	900		This is rpm the speed that the motor operates at during calibration
Sample Rate Slow (1 - 2500)	200		This is rpm the minimum speed that the motor operates at.
Sample Decelerate (1 - 2500)	200		This is the time in milliseconds when the motor decelerates at.
Sample Minimum Count (1 - 9999)	4000		This the count used during calibration
Sample Increment (1 - 9999)	500		Increase or decrease of the count during calibration
Hopper Run Speed (1 - 9999)	1000		This is the rpm that the motor will operate at in "Run to Empty" mode (if available)
Key Beep Length (1 - 999ms)	100		This is the length of the beep sound that the controller makes when a button is pushed
Number of Hoppers (1 - 2)	1		Changes number of hoppers and enables the control for those hoppers.
Crops Hopper 1 (1 - 25)	5		The number of crop settings available for this hopper. Can be 25 settings for each hopper
Crops Hopper 2 (1 - 25)	5		The number of crop settings available for this hopper. Can be 25 settings for each hopper

19-Apr-16

RC300 version 2.30 & 2.40 Basic Configuration Settings

The configuration menu is accessed by holding down the "Cancel" button and at the same time pressing the "Cal" arrow button. After this menu has been accessed please press "Ok" and the controller will turn off, making the changes. Turn the controller on to continue.

Factory Settings RC300 versions 2.30 & 2.40			
Number of Hoppers (1 - 3)	1		Changes number of hoppers and enables the control for those hoppers
Hopper Width (300 - 99999mm)	3000		This is a primary area setting. If this is not correct the machine will not dispense the correct amount of product per H/a. Width is the number of tynes multiplied by the tyne spacing. E.g. 23 x 121 = 2783 or 29 x 121 = 3509 or 49 x 121 = 5929
Wheel Pulses (1 - 9999)	1000		This is double the number of teeth on the jockey wheel, ground wheel or double the number of pulses per revolution of an encoder
Distance Pulses (1 - 999999)	42800		This is a primary area setting. This is the number of pulses counted of the nominated distance. (see next entry)
Distance Length (1 - 9999m)	100		This is a primary area setting. This can be any measured distance between 1m and 9999m. Must be the correct distance for the wheel distance pulses. (see above)
Sample RPM Fast (1 - 1499)	900		This is rpm the speed that the motor operates at during calibration
Sample RPM Slow (1 - 1499)	200		This is the slowest speed that the motor operates at.
Sample Decelerate (1 - 9999)	10		Decelerate time in seconds.
Sample Run Time 1 - 9999) in 1/10sec	120		This is the "Cal" run time and be adjusted. Normally 20sec for later deep tray machines and 12sec for earlier shallow tray machines
Sample Increment (1 - 9999) in 1/10sec	10		This the time increment that is used to increase/decrease the run time of calibration in seconds
Hopper Run RPM (1 - 1499)	900		This is the rpm that the motor will operate at in "Run to Empty" mode.
Key Beep Length (1 - 999ms)	100		This is the length of the beep sound that the controller makes when a button is pushed
Crops Hopper 1 (1 - 25)	8		The number of crop settings available for this hopper. Can be 25 for each hopper
Crops Hopper 2 (1 - 25)	8		The number of crop settings available for this hopper. Can be 25 for each hopper
Crops Hopper 3 (1 - 25)	8		The number of crop settings available for this hopper. Can be 25 for each hopper
Motor Ramp Time (1 - 9999) * 2ms	250		This is the amount of time allowed for the motor to go from 0 rpm to the operating rpm

19-Apr-16

RC300L version 2.50b - 2.52d Basic Configuration Settings

The configuration menu is accessed by holding down the "Cancel" button and at the same time pressing the "Cal" arrow button. After this menu has been accessed please press "Ok" and the controller will turn off to make the changes. Turn the controller on and continue.

Factory Settings RC300L ver 2.52d			
Number of Hoppers (1 - 3)	1		Changes number of hoppers and enables the control for those hoppers
Hopper Width (300 - 99999mm)	2783		This is a primary area setting. If this is not correct the machine will not dispense the correct amount of product per H/a Width is the number of tynes multiplied by the tyne spacing. E.g. 23 x 121 = 2783 or 29 x 121 = 3509 or 49 x 121 = 5929
Distance Pulses (1 - 999999)	42800		This is a primary area setting. This is the number of pulses counted of a nominated distance.(below)
Distance Length (1 - 9999m)	100		This is a primary area setting. This can be any measured distance between 1m and 9999m. Must be the correct distance for the wheel count.(see above)
Sample RPM Fast (1 - 1499)	600		This is "rpm" that the motor operates at during calibration
Sample Run Time 1 - 9999) in 1/10sec	200		This is the "Cal" run time and be adjusted. Normally 20sec for later deep tray and 12sec for earlier shallow tray.
Sample Increment (1 - 9999) in 1/10sec	10		This the time increment that is used to increase/decrease the run time of the calibration in seconds
Hopper Run RPM (1 - 1499)	900		This is the rpm that the motor will operate at in "Run to Empty" mode
Key Beep Length (1 - 999ms)	100		This is the length of the beep sound that the controller makes when a button is pushed
Crops Hopper 1 (1 - 25)	8		The number of crop settings available for this hopper. Can be 25 for each hopper
Crops Hopper 2 (1 - 25)	8		The number of crop settings available for this hopper. Can be 25 for each hopper
Crops Hopper 3 (1 - 25)	8		The number of crop settings available for this hopper. Can be 25 for each hopper
Motor Ramp Time (1 - 9999) * 2ms	250		This is the amount of time allowed for the motor to go from 0 rpm to the operating rpm and decelerate.
Air RPM Pulses (0 - 9999)	0		This is used to activate "RPM" of the fan (turbine) on the controller screen. This number is the number of edges counted per rpm
Voltage Offset (0 - 9999)	70		This is a correction to the volt meter. Do not adjust this. Factory set.
Wheel Sw Phase (0 - 1)	0		This is used on an Air Seeder to change the lift switch phase.

NOTES

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