

Original Auto Feed Plus®

Auto Feed Plus® is a registered trademark of Electronic Solutions of Harrison, LLC

OPERATING INSTRUCTIONS PLEASE READ BEFORE OPERATING

Specifications:

- 6.5 to 36 VDC Operation
- 10 Rated Outputs
- All Temperature Rated
- Any Sensor Type Input
- SAE 3.25" Diameter—Fits most engine panels
- Completely Sealed from Moisture (submersible)
- NOT POWER WASH PROOF (read above)
- Gas or Diesel Engine
- Bright RED LED Display
- Easy to Program
- Hardware, wiring harness mounting hardware, gasket and instruction sheet included.
- This is a sensor that reads outputs, this does not control the engine or machine in any way.

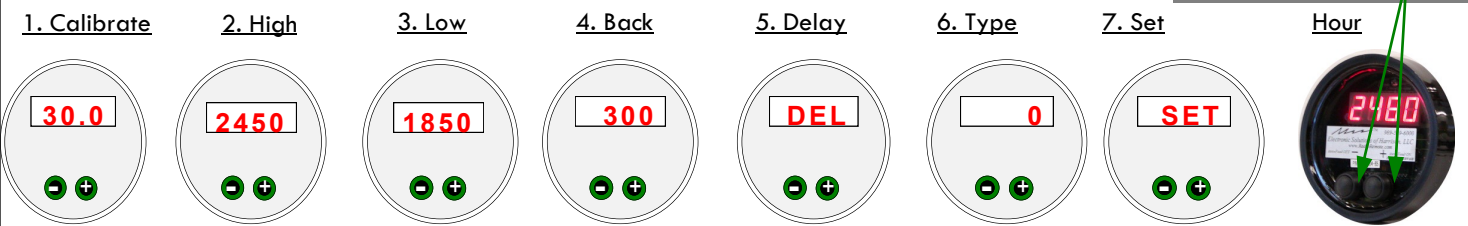
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***Visit the FREE SITE <http://www.youtube.com/user/YourOnlineTraining> for FREE Video instructions and training on use and operation

Every effort had been made to make these instructions as simple as possible. Please contact your dealer if you have any questions. This device is preset at the factory with John Deere settings. Below is a sample of the menu options covered in this manual.

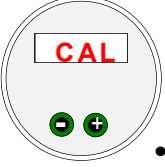
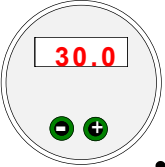
MENU—SEVEN STEPS & Hour All Functions May Be Programmed While Engine is RUNNING!

To check the hours, simply press and release either button.

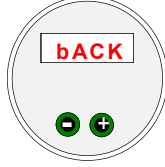
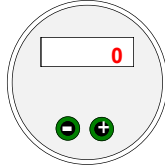


- To prevent mistakes, the user must go through all SEVEN steps or program will not set. See back for troubleshooting guide.
- If, after starting to set the unit, no entries are made after 7 seconds, the unit will go back to the last program setting.
- So, if you make a mistake, not to worry, it will just go back to the last set program. If you need help, just call!

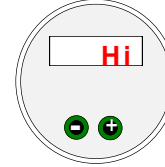
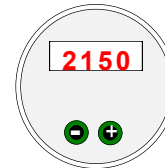
Step One—Calibration

- 
- Press and hold BOTH push buttons until you see "HOUR," the amount of hours, then a blank display (about 4 seconds).
 - Now release the buttons. You will see "CAL" displayed then a CAL number.
- Enter the Calibration Number (1-200)**
- 
- After step one, press the RIGHT button to increase the number, press the LEFT button to decrease the number shown in the read-out.
 - For the Kohler engine, "CAL" is 9.1. Check engine guide on back when programming.

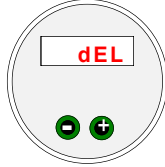
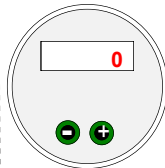
Step Four—Setting the Reverse Time

- 
- Press and release both buttons again.
 - You will now see back displayed.
- Entering the Reverse Time**
- 
- Enter the desired reverse time or 0 (zero) if reverse is not used.* If your machine does not have reverse, it must be set to 0 (zero).
 - Reverse time guidelines:
250 = 1/4 of a second
500 = 1/2 of a second

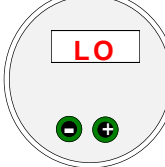
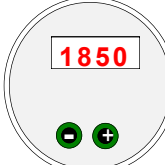
Step Two—Setting the HI Limit

- 
- Press and release both buttons again.
 - You will now see HI displayed.
- Enter the Hi or Feed On RPM number by:**
- 
- Pressing the RIGHT button to increase the number in the read-out, OR
 - Press the LEFT button to decrease the number.

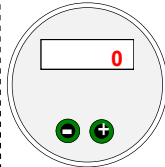
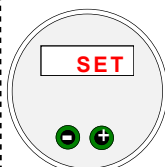
Step Five — Setting the DELAY Mode

- 
- Press and release both buttons again.
 - You will now see dEL displayed.
- Enter the Delay Time**
- 
- Enter 0 for no delay
 - Enter 1 for a preset delay
 - Pressing the RIGHT button to increase the number in the read-out, OR
 - Press the LEFT button to decrease the number.

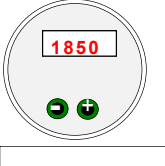
Step Three—Setting the Lo Limit

- 
- Press and release both buttons again.
 - You will now see Lo displayed.
- Enter the Lo or Feed Off RPM number by:**
- 
- Pressing the RIGHT button to increase the number in the read-out, OR
 - Press the LEFT button to decrease the number.

Step Six—Setting TYPE (Reversing or Non-Reversing)

- 
- Press and release both buttons again.
 - You will now see "TYPE" displayed.
 - Enter TYPE 0 or 1
 - Use TYPE 0 for standard Auto-feed.
 - Use TYPE 1 for new style reverse.
- Step Six—Exit Program Mode**
- 
- Press both buttons again, now display will read SET! Unit is now programmed.

Turning your Auto-Feed On or Off

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- If you need to turn your auto feed off, simply press and hold the left button for 4 seconds, then release.
 - To turn it back on, press and hold the right button for 4 seconds.

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Warranty: Electronic Solutions of Harrison, LLC and/or its subsidiaries and its affiliates ("the Manufacturer") warrants its products, hereafter referred to as "the Product" or "Products," to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under normal use and service for a period of twelve months from the date of shipment by manufacturer. The Manufacturer's obligations shall be limited within the warranty period, at its option, to repair or replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling or reinstallation charges. To exercise the warranty the product must be returned to the manufacturer freight prepaid and insured.

This warranty does not apply in the following cases: Improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident, tampering, power washing, or welding and/or repair by anyone other than the manufacturer.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral express or implied, including any warranty of merchantability or fitness for a particular purpose or other wise. In no case shall the Manufacturer be liable to any one for any consequential or incidental damages for breach of this warranty or any other warranties whatsoever, as aforesaid.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of the warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, incidentally, consequentially or otherwise, caused by the malfunction of the Product due to accessories, products, and attachments of others, including batteries, used in conjunction with the Product.

The Manufacturer shall have no liability for any personal and/or bodily injury and/or property damage, or death or other loss whether direct, indirect, incidentally, consequentially or otherwise, based on a claim that the Product failed to function. However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of this Product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the manufacturer.

TYPE 0 DIAGRAM



Dump Valve
Start/Stop Style Feed
Reverse 0 *
Type 0

Type 0 Wiring
White—Tach or sensor input
Black—Ground
Red—+12Vdc (key switch)
Green—Dump Valve
Brown—Not used



NOTE:
Brown Reverse
Not Used

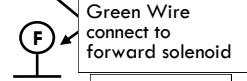


TYPE 1 DIAGRAM



Forward/Reverse Feed
No Dump Valve

Type 1 Wiring
White—Tach or sensor input
Black—Ground
Red—+12Vdc (key switch)
Green—Forward Solenoid
Brown—Reverse Solenoid



Green Wire connect to forward solenoid

Brown Reverse Wire connect to reverse solenoid

Reverse and Forward Solenoids



2ND TYPE 0 DIAGRAM DUMP WITH REVERSE



2nd Type 0 Wiring
White—Tach or sensor input
Black—Ground
Red—+12Vdc (key switch)
Green—Dump Valve
Brown—Reverse Solenoid

Brown Reverse Wire connect to reverse solenoid

Dump Valve Green Wire



TROUBLE SHOOTING TIPS

- If your machine is operating opposite of the way you expect, the type setting is wrong. If it is a 1, switch to a 0 or vice versa.
- If you have trouble holding a solid RPM, check the adjustment on your magnetic pickup or your alternator belt.
- If you have a gas engine, check the spark plugs.
- Wisconsin engines have a special wiring harness with a filter, make sure you have it.
- Check your voltage, unit will not operate unless you have the proper voltage.
- Moisture in unit means it was most likely power washed. We can rebuild unit for a reasonable fee. Call for details.
- NO lights? Check power supply. Red wire, black wire, and fuses.

Engine	Max RPM	Alternator Calibration	Magnetic Pickup	Off RPM	On RPM
CAT 3176 360 HP	2100		118	1900	1500
CAT 3406 500 HP	2100		113	1900	1500
CAT 3412 E 650 HP	2100		136	1900	1650
CAT 3306	2100		156	1900	1650
CAT C-10, & C12	2100		113	1900	1650
CAT C-15, C 16	2100		136	1900	1650
CAT 3126B	2200		156	2100	1750
Cat/Perkins 26.1 HP	3240		96	2900	2650
Cat/Perkins 23.5 HP	3400	9	96	3300	2650
Cat/Perkins 33.7 HP	3240		109	2700	2400
Cat/Perkins 33 HP	2800	9.3	109	2700	2400
Cat/Perkins 50 HP	3025	9.4	126	2700	2400
Cat/Perkins 50 HP	2800	9.4	126	2700	2400
Cat/Perkins 60 HP	3025		126	2700	2400
Cat/Perkins 86 HP	2550	16.5	126	2300	2050
Cat/Perkins 88 HP	2500	16.5	126	2400	2150
Cat/Perkins 115 HP	2425		126	2300	2050
Cat/Perkins 115 HP	2500	16.5	126	2400	2050
Cat/Perkins 140 HP	2225		126	2100	1800
Cat/Perkins 125 HP	2400	16.5/17.1	126	2300	2050
Cat/Perkins 180 HP	2525		126	2400	2150
Cat/Perkins 188 HP	2500	14.5	126	2400	2150
Cat/Perkins 250 HP	2100		154	2000	1600
Cummins 3.3 65 HP	2500		110	2400	2150
Cummins 3.3 85 HP	2500		127	2400	2150
Cummins 4B & 6B 80/200 HP	2500	17	159	2400	2150
Cummins 6CTA 250 HP	2100	20	158	2125	1800
Cummins B 80, P100, B 116	2500	17	159	2400	2150
Cummins P 125	2500	17	159	2350	2100
Cummins B130, PP173, QSB205, B200	2500		159	2400	
Cummins QSM11400, QSX15 525, QSK23 760	2100		118	1900	1650
Cummins QST23 960	2100			1900	1650
Cummins QST30 1000	2100			1900	1650
All Duetz Engines	2800	12.5		2700	2400
Ford 4 Cyl. 70 HP	2800	14.5		2700	2400
Ford 6 Cyl. 119 HP	2800	15.3		2700	2400
G.M. 3.0 L / 4.3 L	2800	19		2700	2400
Hatz 35 HP	2800	12		2700	2400
Honda 20/24 HP	3600	3		3300	2650
John Deere 80/170 HP	2500	16	129	2400	2150
John Deere 180/250 HP	2200	16	129	2150	1770
John Deere 80/170 HP	2500		129	2400	2150
Kohler 25/27 HP	3400	9	1	3300	2650
Kubota 49 HP	2800	9 or 12		2700	2400
Lombardini 25 HP	2800	5		2700	2250
Lombardini 57 HP	2800	13		2700	2400
Wisconsin 30/35 HP	2800	Ignition Coil "-" CAL 2	24	2700	2400
Wisconsin 37 HP	2400	Ignition Coil "-" CAL 2	27	2300	2050
Wisconsin 65 HP	3000	Ignition Coil "-" CAL 2		2900	2650