

HYDRAFEEDER™ Digital Counter Installation Instructions

HYDRAULIC MOTOR MOUNTED SENSOR AND PROGRAMMABLE DISPLAY

- 1 Using the 3-foot piece of 18/3-jacketed wire, attach the black lead to no. 1 terminal, the white lead to no. 2 terminal and the green lead to no. 8 terminal on back of display.
- 2 Locate your preferred location in the cab for the digital counter (typically on the dash to the left of the steering column) and route the wire to a location under the dash near the **HYDRABED®** dash bracket.
- 3 Connect the 20' Sensor Harness (HF12-46) to the sensor on the **HYDRAFEEDER™** motor, routing it along the truck chassis and into the cab in a protected and secure manner to a location under the dash near the **HYDRABED®** dash bracket.
- 4 Make all other wire connections per drawing 30-1800 (pg 4). Make certain to attach power lead to the switched side of the hydraulic pump switch using the quick splice provided. This connection method will only supply power to display and sensor when hydraulic pump is on.

ELECTRIC MOTOR MOUNTED SENSOR AND PROGRAMMABLE DISPLAY

- 1 Using the 3-foot piece of 18/3-jacketed wire, attach the black lead to no. 1 terminal, the white lead to no. 3 terminal and the green lead to no. 8 terminal on back of display.
- 2 Locate your preferred location in the cab for the digital counter (typically on the dash to the left of the steering column) and route the wire to a location under the dash near the **HYDRABED®** dash bracket.
- 3 Connect the 17' Sensor Harness to the sensor on the **HYDRAFEEDER™** motor, routing it along the truck chassis and into the cab in a protected and secure manner to a location under the dash near the **HYDRABED®** dash bracket.
- 4 Make all other wire connections per drawing 30-1807 (pg 7). The green power wire with the spade terminal from the counter connects to the green power lead with the spade terminal of the switch. This connection method supplies power to the backlight of the display when the main switch is turned on.

HYDRAFEEDER™ Programming Your Digital Counter

PROGRAMMABLE DISPLAY - HYDRAULIC ONLY

The digital counter is factory configured to count one digit per auger revolution. The factory preset for menu 1 is 00.0667. If you desire your counter to display “pounds of feed”, follow these instructions to calculate your programming factor.

To determine the programming factor:

- 1** Obtain a container to run feed into. Weigh that container empty.
Example: Empty container weighs 4 pounds.
- 2** With the readout displaying zeros, run some feed into the container. The larger the sample size, the greater your accuracy.
- 3** Record the number on the digital display.
Example: Number on display is 7
- 4** Weigh the full container and subtract the weight of the container.
Example: $67 - 4 = 63$ pounds of feed
- 5** Divide the number of pounds by the number on the display. This will be the number of pounds per revolution.
Example: $63 / 7 = 9$
- 6** Divide the number of pounds per revolution by 15. This will be the factor you will program into the digital display.
Example: $9 / 15 = .6000$
- 7** This is the programming factor for that particular feed. Replace the number calculated in step 6 (Example 0.6000) in the first counter parameter. See page 9 for instructions to enter the factor into the counter. Record this factor and feed type for future reference.



For accurate feeding, this must be done for each different type of feed.

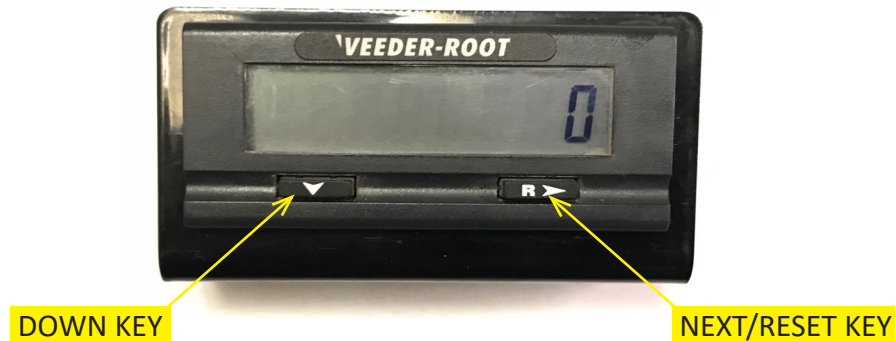
HYDRAULIC COUNTER CONFIGURATION

Entering the factor into the digital display:

Refer to the Technical Manual shipped with the digital display.

There are four (4) parameters that make up the programmable display. The leftmost digit designates each parameter. Once in the programming mode, you must scroll through each parameter to return to normal operation.

The display is configured from the factory to enter the programming mode simply by pressing the Down (left) Key.



Programming parameters can be accessed by pressing the Down Key. To edit a parameter use the Down key to scroll until the desired parameter appears on the screen. Pressing the Next key will cause the leftmost digit of that value to begin to flash. Use the Next and Down keys in combination to choose individual digits and change their value.

1. 00.0667

- 1 The first menu is the count-input calibrator. Using the next/reset key, input your factor number that you calculated in step 6 on page 7. Press the next/reset once more after you have entered the last digit of your factor, then press the down key to advance to next parameter. **Factory preset is 00.0667.**

2. off

- 2 The second menu is the "Display Decimal Point". This should be set to "off". Press the down key to advance to next parameter.

3. 000000

- 3 The third menu is the "Count Offset". This should be set to "000000". All zeros. Press the down key to advance to next parameter.

4. on

- 4 The fourth menu is the "Front Panel Reset Enable". This should be set to "on". Press the down key once more.

- 5 Your digital display is now configured to display the number of pounds for that particular feed.

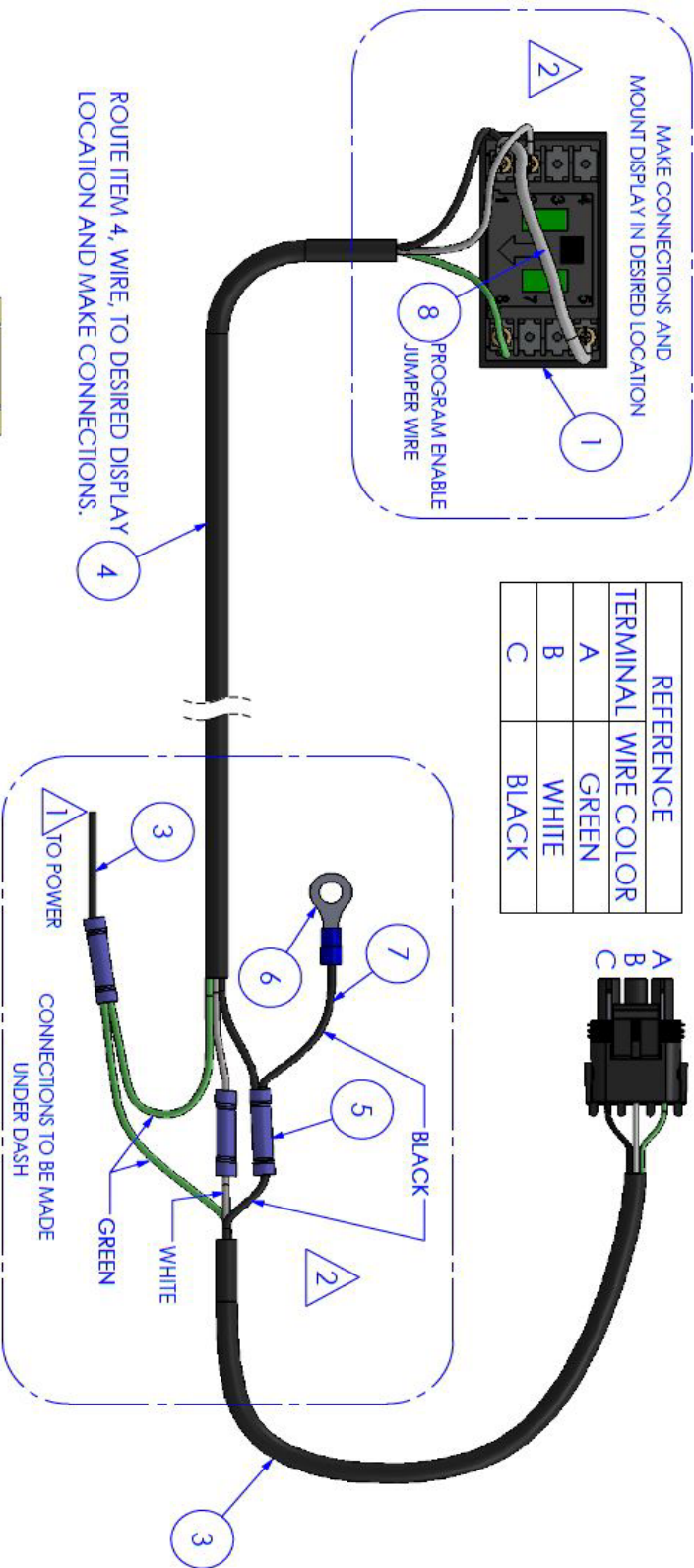
HYDRAFEEDER™ Digital Counter Wiring Instructions - Hydraulic

NOTES:

1. USE ITEM 8, QUICK SPLICE, TO CONNECT TO HYDRAULIC PUMP POWER WIRE ON A HYDRA BED SYSTEM.
2. CONNECT TO SWITCHED AND FUSED POWER LEAD FOR OTHER APPLICATIONS.
3. PROVIDED WIRES MAY BE CUT TO LENGTH TO MAKE CONNECTIONS.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	A103-001	DIGITAL DISPLAY	1
2	VELCRO	VELCRO FASTENER	1-1/2 IN
3	HF12-46	SENSOR HARNESS, 20 FT	1
4	W18/3-SVO	18/3 JACKETED WIRE	3 FT
5	BC422005	BLUE BUTT CONNECTOR	3
6	RT152565	RING TERMINAL, 5/16	1
7	W37140	14 GA WIRE, BLACK	2 FT
8	EL-QS905595	BLUE QUICK SPLICE	1
9	BC423005	YELLOW BUTT CONNECTOR	1
10	HF12-64	BRACKET, DISPLAY	1

REFERENCE	
TERMINAL	WIRE COLOR
A	GREEN
B	WHITE
C	BLACK



MAY NEED TO BE USED TO TAP INTO EXISTING POWER WIRE.

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UNLESS OTHERWISE SPECIFIED: DRAWN 10/26/2016			
DIMENSIONS ARE IN INCHES			
TOLERANCES:			
FRACTIONAL ± 1/16	PART #	ETHAN	10/26/2016
ANGULAR: MACH ± 1 BEND +	ASM #	Part #	
TWO PLACE DECIMAL ± 010	COMMENTS:		
THREE PLACE DECIMAL ± 005			
MATERIAL	HYDRAFEEDER SENSOR COUNTER		
DO NOT SCALE DRAWING			

TRIPLE C INC.
P.O. BOX 248, SABLETIA, KS 66534
(785) 284-3674 FAX (785) 284-3931

SIZE	DWG. NO.	REV
A	30-1800 B	A
SCALE: 1/8	WEIGHT:	SHEET 1 OF 1

PROGRAMMABLE DISPLAY - ELECTRIC ONLY

The digital counter is factory configured to count one digit per auger revolution. The factory preset for menu 1 is 01.0000. If you desire your counter to display “pounds of feed”, follow these instructions to calculate your programming factor.

To determine the programming factor:

- 1** Obtain a container to run feed into. Weigh that container empty.
Example: Empty container weighs 4 pounds.
- 2** With the readout displaying zeros, run some feed into the container. The larger the sample size, the greater your accuracy.
- 3** Record the number on the digital display.
Example: Number on display is 7
- 4** Weigh the full container and subtract the weight of the container.
Example: $67 - 4 = 63$ pounds of feed
- 5** Divide the number of pounds by the number on the display. This will be the number of pounds per revolution.
Example: $63 / 7 = 9$
- 6** This is the programming factor for that particular feed. Replace the number calculated in step 5 (Example: 9) in the first counter parameter. See page 10 for instructions to enter the factor into the counter. Record this factor and feed type for future reference.



For accurate feeding, this must be done for each different type of feed.

ELECTRIC COUNTER CONFIGURATION

Entering the factor into the digital display:

Refer to the Technical Manual shipped with the digital display.

There are four (4) parameters that make up the programmable display. The leftmost digit designates each parameter. Once in the programming mode, you must scroll through each parameter to return to normal operation.

The display is configured from the factory to enter the programming mode simply by pressing the Down (left) Key.



Programming parameters can be accessed by pressing the Down Key. To edit a parameter use the Down key to scroll until the desired parameter appears on the screen. Pressing the Next key will cause the leftmost digit of that value to begin to flash. Use the Next and Down keys in combination to choose individual digits and change their value.



- 1 The first menu is the count-input calibrator. Using the next/reset key, input your factor number that you calculated in step 6 on page 8. Press the next/reset once more after you have entered the last digit of your factor, then press the down key to advance to next parameter. **Factory preset is 01.0000.**



- 2 The second menu is the "Display Decimal Point". This should be set to "off". Press the down key to advance to next parameter.



- 3 The third menu is the "Count Offset". This should be set to "000000". All zeros. Press the down key to advance to next parameter.



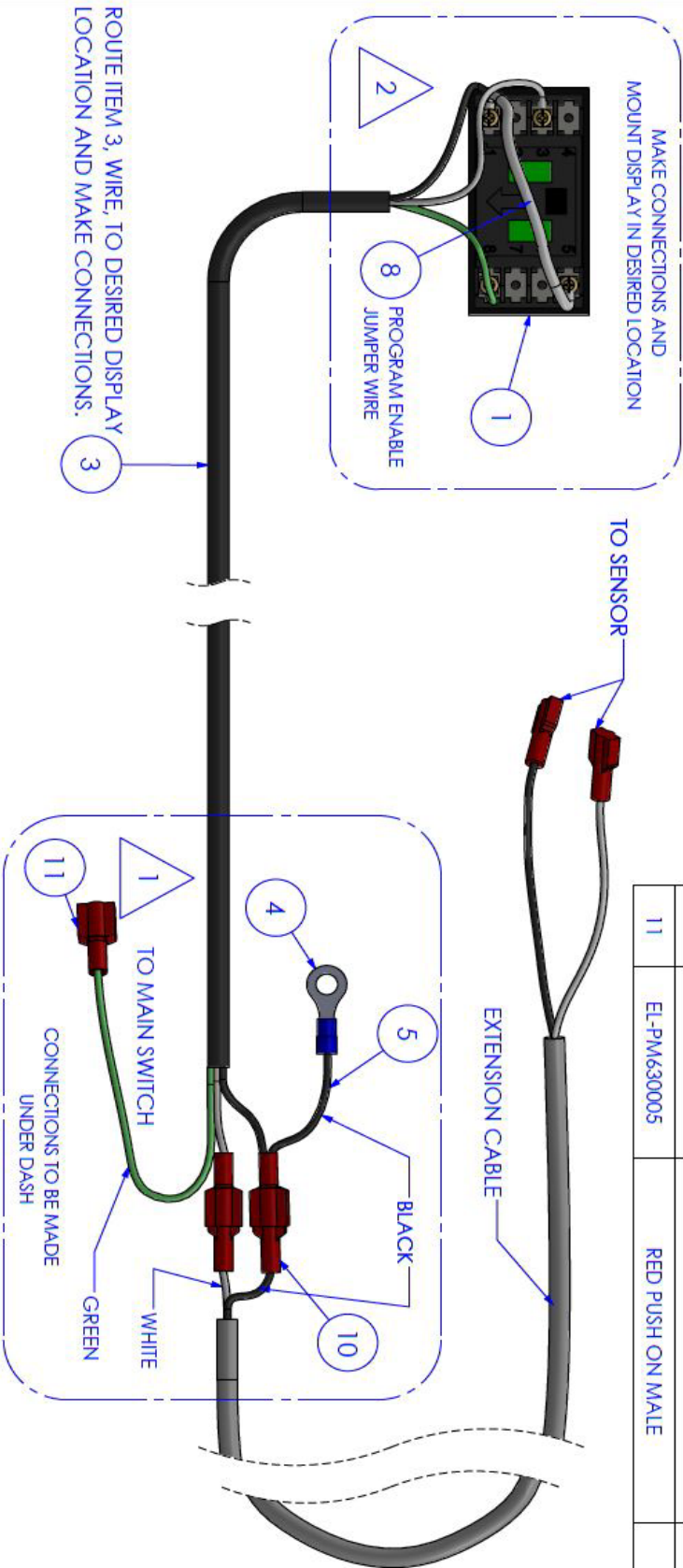
- 4 The fourth menu is the "Front Panel Reset Enable". This should be set to "on". Press the down key once more.

- 5 Your digital display is now configured to display the number of pounds for that particular feed.

HYDRAFEEDER™ Digital Counter Wiring Instructions - Electric

NOTES:

- 1. CONNECT TO MAIN SWITCH GREEN WIRE
- 2. STRIP JACKET FROM WIRES AND MAKE CONNECTIONS AS SHOWN.
- 3. PROVIDED WIRES MAY BE CUT TO LENGTH TO MAKE CONNECTIONS.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	A103-001	DIGITAL DISPLAY	1
2	VELCRO	VELCRO FASTENER	1-1/2 IN
3	W18/3 SVO	18/3 JACKETED WIRE	3 FT
4	RT152565	RING TERMINAL, 5/16	1
5	W37140	14 GA WIRE, BLACK	2 FT
6	BC423005	YELLOW BUTT CONNECTOR	1
7	EL-QS905595	BLUE QUICK SPLICE	1
8	W29165	16 GA WIRE, WHITE	2-3/4 IN
9	HF12-64	BRACKET, DISPLAY	1
10	EL-PF690005	RED PUSH ON FEMALE	4
11	EL-PM630005	RED PUSH ON MALE	3

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UNLESS OTHERWISE SPECIFIED:	DRAWN	ETHAN	9/26/2018
DIMENSIONS ARE IN INCHES	PART #	Part #	
TOLERANCES:	ASM #	Asm #	
FRACTIONAL ± 1/16			
ANGULAR: MACH ± 1 BEND ±			
TWO PLACE DECIMAL ± 010			
THREE PLACE DECIMAL ± 005			
MATERIAL	ELECTRIC-FEEDER SENSOR COUNTER		
DO NOT SCALE DRAWING			

SIZE	DWG. NO.	REV
A	30-1807 A	A
SCALE: 1/8	WEIGHT:	SHEET 1 OF 1

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