

SELECT Feed Logger

Instructions for Use

V 1.2 Jan '10

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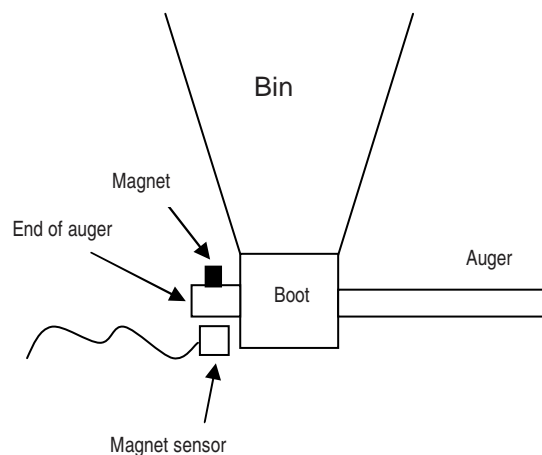
INTRODUCTION

The Select Feed Logger is an intelligent feed monitoring system that allows users to view current bin (feed bin) content weights for up to 6 bins, see augered quantities over a day or longer periods for up to 6 augers, and link augers to bins in various combinations.

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INSTALLATION



Supplied with the Feed Logger is one magnet per Magnet Sensor requested at the time of ordering.

The magnet needs to be secured to a turning part of an auger. Normally this is the piece that protrudes from the end bearing as shown in the diagram above. In fact any turning part can be used to mount the magnet.

The Magnet Sensor needs to be positioned within 5mm of the turning magnet. A bracket will need to be fashioned to suit the on-site geometry of the auger.

NOTE : The magnet will only work with the correct polarity facing the Magnet Sensor. This needs to be done by trying one way then the other. The correct orientation will lead to the LED light on the Magnet Sensor lighting when the magnet passes, and also the Magnet Sensor is supplied with a voltage. If a test needs to be made before the connection wires are connected to the Feed Logger, it is possible to apply 12V DC to the blue wire (negative / ground) and the red wire (positive).

The magnet can be fixed in position with adhesive tape. One extra magnet can be fitted opposite the first to increase sensitivity.

WIRING (only to be done by qualified personnel)

Magnet sensors are despatched with the following wiring sequence :

Blue+sheath	Ground
Red	V DC
Green	Signal

Any extension wires need to follow this sequence. A sheathed cable needs to be used for signal protection.

The connections inside the Feed Logger box for each auger is :

Blue+sheath	GND
Red	5V
Green	S

Pass all cables through the gland at the base of the Feed Logger box and tighten the nut.

OPTIONS

BIN TOTALS

With the bin totals you will be able **zero** the feed totals, **add deliveries** as well as **edit** the totals.

ZERO TOTALS:

This allows you to set a bin total to zero if the bin is empty before a feed delivery.

<p>On the Welcome Screen, select options by pressing SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>To select Bin Totals press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST., then Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 1 </div>
<p>To zero the bin total, Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 1 Totals Zero Total </div>
<p>To reconfirm your choice, if you wish to reduce the total to zero press SET. If you wish to keep the total feed already recorded, press ADJUST.</p> <p>You return to the Welcome Screen.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Bin 1 Total No Yes </div>

ADDING A DELIVERY:

This enables a new delivery of feed to be added to a bin total. See below for fast Hotkey method.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="943 405 1235 501" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="943 622 1235 719" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="943 837 1235 934" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST once to display Add Delivery. Press SET.</p>	<div data-bbox="943 1032 1235 1128" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Add Delivery </div>
<p>Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="943 1211 1235 1308" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

EDIT TOTALS:

This will enable you to estimate the bin total at the start of using the Select Logger.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="944 443 1235 539" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="944 658 1235 754" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="944 875 1235 972" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST twice to display Edit Total. Press SET.</p>	<div data-bbox="944 1070 1235 1167" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Edit Total </div>
<p>Enter the amount of feed there is available by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed in the bin) NOTE: If you are editing the total to 9258 for example, you will need to enter a 0 for the first digit. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="944 1249 1235 1346" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Edit 00541 09258 </div>



ADDING A DELIVERY: (Hotkey)

<p>1. If the machine is showing the welcome screen (right) press Start (Adjust)</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>2. Select the bin number by pressing ADJUST.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>3. Press Set for 2 seconds</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00000 </div>
<p>4. Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>Press Adjust to scroll through other bins to receive a delivery. Follow Steps 2 – 4.</p> <p>To return to the Welcome Screen, press and hold Adjust at any time.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

AUGER-BIN LINKS

To link your augers to designated bins follow these steps:

Note:

1. An auger can be linked to only one bin at a time.
2. A bin can have several augers assigned to it.

On the welcome screen press options	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Select Feed Start Options</p> </div>
1. Press ADJUST until you get to Auger-Bin Links	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Options Auger-Bin Links</p> </div>
2. Press SET. By pressing ADJUST, select the auger number you wish to link to a bin.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Auger-Bin Links Auger 3</p> </div>
3. Press SET. Press ADJUST to select the bin number.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Auger 3 links to Bin 2</p> </div>
4. Press SET and you will return back to the welcome screen. In this case Auger 3 is now linked to Bin 2.	
5. Repeat steps 1 – 4 for the remaining augers to be linked.	

AUGER TOTALS

This function gives you the option to zero the Cumulative Total (as opposed to the Period Total for each auger).

The Cumulative (T) value can be allowed to run to show how much feed the auger has passed over a long period.

The Period (P) value can be zeroed from the normal operating screen.

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
2. Press ADJUST until you get to Auger totals.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Auger Totals </div>
3. Press SET. Press ADJUST until you get to the Auger number you wish to zero.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Auger Totals Auger 3 </div>
4. Press SET. Press No or Yes to re-confirm. You will return to the welcome screen.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Auger 3? No Yes </div>
5. Repeat steps 1 – 4 for the remaining augers.	

CALIBRATION

The density and flow characteristics of feeds varies. In order to calibrate the augers you will need to do the following:

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Calibrate </div>
2. Press SET. Press Adjust until you reach the auger number you wish to calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrate Auger 4 </div>
3. Press SET. The red light should be flashing.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Waiting... </div>
4. Place a bin or bucket under the auger outlet inside the shed to collect the feed that runs out of the auger. Aim to collect between 10 – 20 kg.	
5. Switch on the auger. The screen will show “Collecting...” whilst you collect the feed in the bucket.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Collecting... </div>
6. Switch the auger off when you have collected 10 – 20kg, and weigh the contents of the bucket/bin.	
7. The next screen will automatically come up. Enter the weight of feed you have collected on this screen by pressing the ADJUST button. You will have to press the SET button after each digit entry to enter the remaining digits. (Ignore the 28p for the time being – this	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Enter Kg? 28p 00.0 </div>

is the number of magnet pulses received while collecting the feed).	
If no value is shown against P, check that the auger magnet and sensor are correctly positioned, and that the red light on the magnet sensor flashes with each pass of the magnet.	
8. Press the SET button and you will return to the welcome screen. This auger is now calibrated.	
9. Repeat steps 1 – 8 for the remaining augers.	
10. To return to the main screen, press ADJUST until you see the EXIT and press SET.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Options Exit </div>

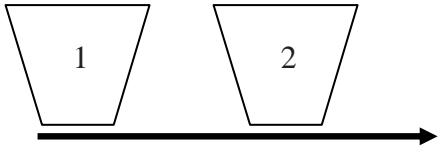
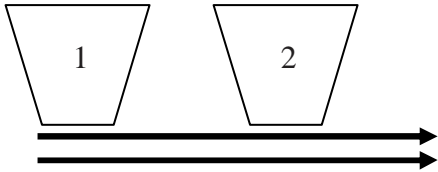
Operation

This function shows the daily usage of feed through the augers, and the current totals of the feed bins.

1. On the welcome screen, select Start by pressing the ADJUST button.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Select Feed Start Options </div>
2. The top figure (T) shows the amount of feed in Bin 1 which will be decreasing. The bottom figures show which augers are assigned to Bin 1 – in this case Augers 3, 4, and 5.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Bin 1 T12675Kg A3 A4 A5 </div>
3. To view other bin numbers, press ADJUST repeatedly.	

<p>4. Once you have scrolled through all 6 bins, you will see auger information.</p> <p>The top (T) figure shows the Cumulative auger total of feed passed since last returned to zero (via Options) This figure will be an increasing value as feed is passed.</p> <p>The bottom right-hand (P) figure shows the Period total (daily usage). This figure will also be an increasing value. You can ZERO this total (daily if desired) by pressing SET for 2 seconds. This will give the feed consumption for the house being serviced by this auger.</p> <p>The B2 figure shows that in this case, Auger 3 is linked to Bin 2.</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>Auger 3 T00473kg B2 P00483kg</p> </div>
<p>Press Adjust to see all 6 auger information screens.</p>	
<p>If at any time you wish to go back to the Welcome Screen press and hold ADJUST.</p>	

EXAMPLES

<p>Two bins connected by a single auger. Only one bin open at a time.</p> <p>Connect the Magnet Sensor to Auger 1 Position inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	
<p>Two bins feeding two augers going to separate houses. Only one bin open at a time.</p> <p>Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 and Auger Position 2 inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Repeat and also link Auger 2 to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link both augers to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	

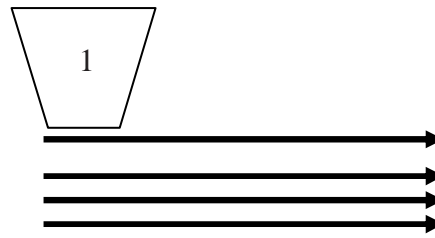
Multiple augers from a single bin.

Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 to 6 inside the Feed Logger box (maximum of six augers per Feed Logger box).

On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1.

Repeat for all additional auger linking each to Bin 1.

If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.



Note: One bin can have many augers linked to it. BUT, an auger can only be linked to one bin at a time.

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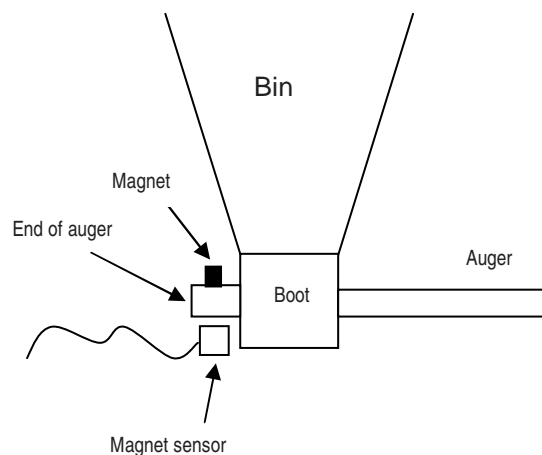
INTRODUCTION

The Select Feed Logger is an intelligent feed monitoring system that allows users to view current bin (feed bin) content weights for up to 6 bins, see augered quantities over a day or longer periods for up to 6 augers, and link augers to bins in various combinations.

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INSTALLATION



Supplied with the Feed Logger is one magnet per Magnet Sensor requested at the time of ordering.

The magnet needs to be secured to a turning part of an auger. Normally this is the piece that protrudes from the end bearing as shown in the diagram above. In fact any turning part can be used to mount the magnet.

The Magnet Sensor needs to be positioned within 5mm of the turning magnet. A bracket will need to be fashioned to suit the on-site geometry of the auger.

NOTE : The magnet will only work with the correct polarity facing the Magnet Sensor. This needs to be done by trying one way then the other. The correct orientation will lead to the LED light on the Magnet Sensor lighting when the magnet passes, and also the Magnet Sensor is supplied with a voltage. If a test needs to be made before the connection wires are connected to the Feed Logger, it is possible to apply 12V DC to the blue wire (negative / ground) and the red wire (positive).

The magnet can be fixed in position with adhesive tape. One extra magnet can be fitted opposite the first to increase sensitivity.

WIRING (only to be done by qualified personnel)

Magnet sensors are despatched with the following wiring sequence :

Blue+sheath	Ground
Red	V DC
Green	Signal

Any extension wires need to follow this sequence. A sheathed cable needs to be used for signal protection.

The connections inside the Feed Logger box for each auger is :

Blue+sheath	GND
Red	5V
Green	S

Pass all cables through the gland at the base of the Feed Logger box and tighten the nut.

OPTIONS

BIN TOTALS

With the bin totals you will be able **zero** the feed totals, **add deliveries** as well as **edit** the totals.

ZERO TOTALS:

This allows you to set a bin total to zero if the bin is empty before a feed delivery.

<p>On the Welcome Screen, select options by pressing SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>To select Bin Totals press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST., then Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 1 </div>
<p>To zero the bin total, Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 1 Totals Zero Total </div>
<p>To reconfirm your choice, if you wish to reduce the total to zero press SET. If you wish to keep the total feed already recorded, press ADJUST.</p> <p>You return to the Welcome Screen.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Bin 1 Total No Yes </div>

ADDING A DELIVERY:

This enables a new delivery of feed to be added to a bin total. See below for fast Hotkey method.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="943 407 1235 504" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="943 622 1235 719" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="943 837 1235 934" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST once to display Add Delivery. Press SET.</p>	<div data-bbox="943 1032 1225 1128" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Add Delivery </div>
<p>Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="943 1211 1235 1308" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

EDIT TOTALS:

This will enable you to estimate the bin total at the start of using the Select Logger.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="944 443 1235 539" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="944 658 1235 754" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="944 875 1235 972" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST twice to display Edit Total. Press SET.</p>	<div data-bbox="944 1070 1235 1167" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Edit Total </div>
<p>Enter the amount of feed there is available by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed in the bin) NOTE: If you are editing the total to 9258 for example, you will need to enter a 0 for the first digit. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="944 1249 1235 1346" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Edit 00541 09258 </div>



ADDING A DELIVERY: (Hotkey)

<p>1. If the machine is showing the welcome screen (right) press Start (Adjust)</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>2. Select the bin number by pressing ADJUST.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>3. Press Set for 2 seconds</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00000 </div>
<p>4. Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>Press Adjust to scroll through other bins to receive a delivery. Follow Steps 2 – 4.</p> <p>To return to the Welcome Screen, press and hold Adjust at any time.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

AUGER-BIN LINKS

To link your augers to designated bins follow these steps:

Note:

1. An auger can be linked to only one bin at a time.
2. A bin can have several augers assigned to it.

On the welcome screen press options	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Select Feed Start Options</p> </div>
1. Press ADJUST until you get to Auger-Bin Links	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Options Auger-Bin Links</p> </div>
2. Press SET. By pressing ADJUST, select the auger number you wish to link to a bin.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Auger-Bin Links Auger 3</p> </div>
3. Press SET. Press ADJUST to select the bin number.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Auger 3 links to Bin 2</p> </div>
4. Press SET and you will return back to the welcome screen. In this case Auger 3 is now linked to Bin 2.	
5. Repeat steps 1 – 4 for the remaining augers to be linked.	

AUGER TOTALS

This function gives you the option to zero the Cumulative Total (as opposed to the Period Total for each auger).

The Cumulative (T) value can be allowed to run to show how much feed the auger has passed over a long period.

The Period (P) value can be zeroed from the normal operating screen.

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Select Feed Start Options </div>
2. Press ADJUST until you get to Auger totals.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Options Auger Totals </div>
3. Press SET. Press ADJUST until you get to the Auger number you wish to zero.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Auger Totals Auger 3 </div>
4. Press SET. Press No or Yes to re-confirm. You will return to the welcome screen.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Zero Auger 3? No Yes </div>
5. Repeat steps 1 – 4 for the remaining augers.	

CALIBRATION

The density and flow characteristics of feeds varies. In order to calibrate the augers you will need to do the following:

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Calibrate </div>
2. Press SET. Press Adjust until you reach the auger number you wish to calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrate Auger 4 </div>
3. Press SET. The red light should be flashing.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Waiting... </div>
4. Place a bin or bucket under the auger outlet inside the shed to collect the feed that runs out of the auger. Aim to collect between 10 – 20 kg.	
5. Switch on the auger. The screen will show “Collecting...” whilst you collect the feed in the bucket.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Collecting... </div>
6. Switch the auger off when you have collected 10 – 20kg, and weigh the contents of the bucket/bin.	
7. The next screen will automatically come up. Enter the weight of feed you have collected on this screen by pressing the ADJUST button. You will have to press the SET button after each digit entry to enter the remaining digits. (Ignore the 28p for the time being – this	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Enter Kg? 28p 00.0 </div>

is the number of magnet pulses received while collecting the feed).	
If no value is shown against P, check that the auger magnet and sensor are correctly positioned, and that the red light on the magnet sensor flashes with each pass of the magnet.	
8. Press the SET button and you will return to the welcome screen. This auger is now calibrated.	
9. Repeat steps 1 – 8 for the remaining augers.	
10. To return to the main screen, press ADJUST until you see the EXIT and press SET.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Options Exit </div>

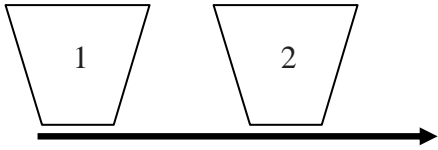
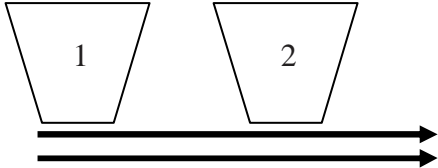
Operation

This function shows the daily usage of feed through the augers, and the current totals of the feed bins.

1. On the welcome screen, select Start by pressing the ADJUST button.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Select Feed Start Options </div>
2. The top figure (T) shows the amount of feed in Bin 1 which will be decreasing. The bottom figures show which augers are assigned to Bin 1 – in this case Augers 3, 4, and 5.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Bin 1 T12675Kg A3 A4 A5 </div>
3. To view other bin numbers, press ADJUST repeatedly.	

<p>4. Once you have scrolled through all 6 bins, you will see auger information.</p> <p>The top (T) figure shows the Cumulative auger total of feed passed since last returned to zero (via Options) This figure will be an increasing value as feed is passed.</p> <p>The bottom right-hand (P) figure shows the Period total (daily usage). This figure will also be an increasing value. You can ZERO this total (daily if desired) by pressing SET for 2 seconds. This will give the feed consumption for the house being serviced by this auger.</p> <p>The B2 figure shows that in this case, Auger 3 is linked to Bin 2.</p>	<div data-bbox="938 219 1230 315" style="border: 1px solid black; padding: 5px; text-align: center;"> Auger 3 T00473kg B2 P00483kg </div>
<p>Press Adjust to see all 6 auger information screens.</p>	
<p>If at any time you wish to go back to the Welcome Screen press and hold ADJUST.</p>	

EXAMPLES

<p>Two bins connected by a single auger. Only one bin open at a time.</p> <p>Connect the Magnet Sensor to Auger 1 Position inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	
<p>Two bins feeding two augers going to separate houses. Only one bin open at a time.</p> <p>Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 and Auger Position 2 inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Repeat and also link Auger 2 to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link both augers to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	

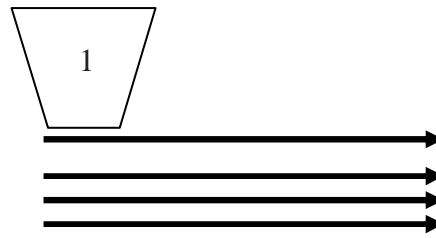
Multiple augers from a single bin.

Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 to 6 inside the Feed Logger box (maximum of six augers per Feed Logger box).

On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1.

Repeat for all additional auger linking each to Bin 1.

If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.



Note: One bin can have many augers linked to it. BUT, an auger can only be linked to one bin at a time.

SELECT Feed Logger

Instructions for Use

V 1.2 Jan '10

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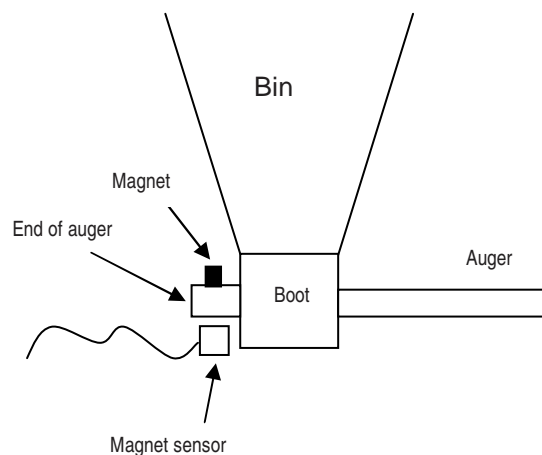
INTRODUCTION

The Select Feed Logger is an intelligent feed monitoring system that allows users to view current bin (feed bin) content weights for up to 6 bins, see augered quantities over a day or longer periods for up to 6 augers, and link augers to bins in various combinations.

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INSTALLATION



Supplied with the Feed Logger is one magnet per Magnet Sensor requested at the time of ordering.

The magnet needs to be secured to a turning part of an auger. Normally this is the piece that protrudes from the end bearing as shown in the diagram above. In fact any turning part can be used to mount the magnet.

The Magnet Sensor needs to be positioned within 5mm of the turning magnet. A bracket will need to be fashioned to suit the on-site geometry of the auger.

NOTE : The magnet will only work with the correct polarity facing the Magnet Sensor. This needs to be done by trying one way then the other. The correct orientation will lead to the LED light on the Magnet Sensor lighting when the magnet passes, and also the Magnet Sensor is supplied with a voltage. If a test needs to be made before the connection wires are connected to the Feed Logger, it is possible to apply 12V DC to the blue wire (negative / ground) and the red wire (positive).

The magnet can be fixed in position with adhesive tape. One extra magnet can be fitted opposite the first to increase sensitivity.

WIRING (only to be done by qualified personnel)

Magnet sensors are despatched with the following wiring sequence :

Blue+sheath	Ground
Red	V DC
Green	Signal

Any extension wires need to follow this sequence. A sheathed cable needs to be used for signal protection.

The connections inside the Feed Logger box for each auger is :

Blue+sheath	GND
Red	5V
Green	S

Pass all cables through the gland at the base of the Feed Logger box and tighten the nut.

OPTIONS

BIN TOTALS

With the bin totals you will be able **zero** the feed totals, **add deliveries** as well as **edit** the totals.

ZERO TOTALS:

This allows you to set a bin total to zero if the bin is empty before a feed delivery.

<p>On the Welcome Screen, select options by pressing SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>To select Bin Totals press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST., then Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 1 </div>
<p>To zero the bin total, Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 1 Totals Zero Total </div>
<p>To reconfirm your choice, if you wish to reduce the total to zero press SET. If you wish to keep the total feed already recorded, press ADJUST.</p> <p>You return to the Welcome Screen.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Bin 1 Total No Yes </div>

ADDING A DELIVERY:

This enables a new delivery of feed to be added to a bin total. See below for fast Hotkey method.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="943 405 1235 501" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="943 618 1235 719" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="943 835 1235 936" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST once to display Add Delivery. Press SET.</p>	<div data-bbox="943 1032 1235 1128" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Add Delivery </div>
<p>Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="943 1211 1235 1308" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

EDIT TOTALS:

This will enable you to estimate the bin total at the start of using the Select Logger.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="944 443 1235 539" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="944 658 1235 754" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="944 875 1235 972" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST twice to display Edit Total. Press SET.</p>	<div data-bbox="944 1070 1235 1167" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Edit Total </div>
<p>Enter the amount of feed there is available by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed in the bin) NOTE: If you are editing the total to 9258 for example, you will need to enter a 0 for the first digit. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="944 1249 1235 1346" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Edit 00541 09258 </div>



ADDING A DELIVERY: (Hotkey)

<p>1. If the machine is showing the welcome screen (right) press Start (Adjust)</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>2. Select the bin number by pressing ADJUST.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>3. Press Set for 2 seconds</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00000 </div>
<p>4. Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>Press Adjust to scroll through other bins to receive a delivery. Follow Steps 2 – 4.</p> <p>To return to the Welcome Screen, press and hold Adjust at any time.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

AUGER-BIN LINKS

To link your augers to designated bins follow these steps:

Note:

1. An auger can be linked to only one bin at a time.
2. A bin can have several augers assigned to it.

On the welcome screen press options	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Auger-Bin Links	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Options Auger-Bin Links </div>
2. Press SET. By pressing ADJUST, select the auger number you wish to link to a bin.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Auger-Bin Links Auger 3 </div>
3. Press SET. Press ADJUST to select the bin number.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Auger 3 links to Bin 2 </div>
4. Press SET and you will return back to the welcome screen. In this case Auger 3 is now linked to Bin 2.	
5. Repeat steps 1 – 4 for the remaining augers to be linked.	

AUGER TOTALS

This function gives you the option to zero the Cumulative Total (as opposed to the Period Total for each auger).

The Cumulative (T) value can be allowed to run to show how much feed the auger has passed over a long period.

The Period (P) value can be zeroed from the normal operating screen.

1. On the welcome screen press options .	<div data-bbox="940 616 1230 712" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
2. Press ADJUST until you get to Auger totals.	<div data-bbox="940 757 1230 853" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Auger Totals </div>
3. Press SET. Press ADJUST until you get to the Auger number you wish to zero.	<div data-bbox="940 981 1230 1077" style="border: 1px solid black; padding: 5px; text-align: center;"> Auger Totals Auger 3 </div>
4. Press SET. Press No or Yes to re-confirm. You will return to the welcome screen.	<div data-bbox="940 1155 1230 1252" style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Auger 3? No Yes </div>
5. Repeat steps 1 – 4 for the remaining augers.	

CALIBRATION

The density and flow characteristics of feeds varies. In order to calibrate the augers you will need to do the following:

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Calibrate </div>
2. Press SET. Press Adjust until you reach the auger number you wish to calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrate Auger 4 </div>
3. Press SET. The red light should be flashing.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Waiting... </div>
4. Place a bin or bucket under the auger outlet inside the shed to collect the feed that runs out of the auger. Aim to collect between 10 – 20 kg.	
5. Switch on the auger. The screen will show “Collecting...” whilst you collect the feed in the bucket.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Collecting... </div>
6. Switch the auger off when you have collected 10 – 20kg, and weigh the contents of the bucket/bin.	
7. The next screen will automatically come up. Enter the weight of feed you have collected on this screen by pressing the ADJUST button. You will have to press the SET button after each digit entry to enter the remaining digits. (Ignore the 28p for the time being – this	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Enter Kg? 28p 00.0 </div>

is the number of magnet pulses received while collecting the feed).	
If no value is shown against P, check that the auger magnet and sensor are correctly positioned, and that the red light on the magnet sensor flashes with each pass of the magnet.	
8. Press the SET button and you will return to the welcome screen. This auger is now calibrated.	
9. Repeat steps 1 – 8 for the remaining augers.	
10. To return to the main screen, press ADJUST until you see the EXIT and press SET.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Options Exit </div>

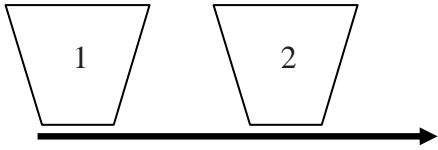
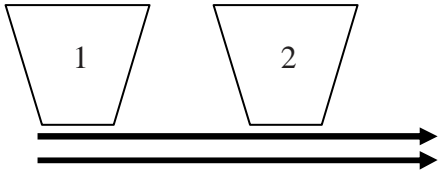
Operation

This function shows the daily usage of feed through the augers, and the current totals of the feed bins.

1. On the welcome screen, select Start by pressing the ADJUST button.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Select Feed Start Options </div>
2. The top figure (T) shows the amount of feed in Bin 1 which will be decreasing. The bottom figures show which augers are assigned to Bin 1 – in this case Augers 3, 4, and 5.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Bin 1 T12675Kg A3 A4 A5 </div>
3. To view other bin numbers, press ADJUST repeatedly.	

<p>4. Once you have scrolled through all 6 bins, you will see auger information.</p> <p>The top (T) figure shows the Cumulative auger total of feed passed since last returned to zero (via Options) This figure will be an increasing value as feed is passed.</p> <p>The bottom right-hand (P) figure shows the Period total (daily usage). This figure will also be an increasing value. You can ZERO this total (daily if desired) by pressing SET for 2 seconds. This will give the feed consumption for the house being serviced by this auger.</p> <p>The B2 figure shows that in this case, Auger 3 is linked to Bin 2.</p>	<div data-bbox="938 219 1230 315" style="border: 1px solid black; padding: 5px; text-align: center;"> Auger 3 T00473kg B2 P00483kg </div>
<p>Press Adjust to see all 6 auger information screens.</p>	
<p>If at any time you wish to go back to the Welcome Screen press and hold ADJUST.</p>	

EXAMPLES

<p>Two bins connected by a single auger. Only one bin open at a time.</p> <p>Connect the Magnet Sensor to Auger 1 Position inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	
<p>Two bins feeding two augers going to separate houses. Only one bin open at a time.</p> <p>Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 and Auger Position 2 inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Repeat and also link Auger 2 to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link both augers to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	

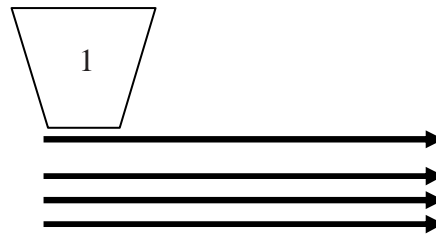
Multiple augers from a single bin.

Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 to 6 inside the Feed Logger box (maximum of six augers per Feed Logger box).

On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1.

Repeat for all additional auger linking each to Bin 1.

If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.



Note: One bin can have many augers linked to it. BUT, an auger can only be linked to one bin at a time.

SELECT Feed Logger

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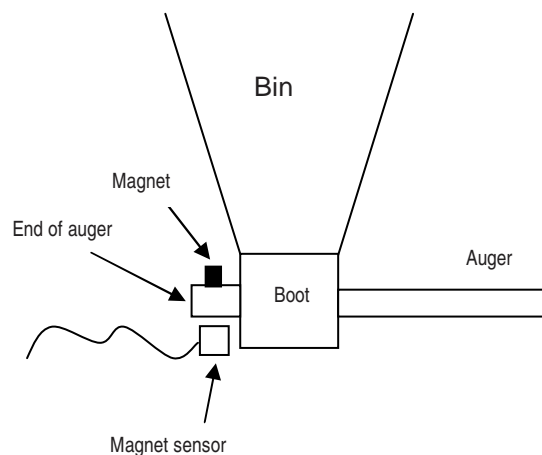
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INSTALLATION



Supplied with the Feed Logger is one magnet per Magnet Sensor requested at the time of ordering.

The magnet needs to be secured to a turning part of an auger. Normally this is the piece that protrudes from the end bearing as shown in the diagram above. In fact any turning part can be used to mount the magnet.

The Magnet Sensor needs to be positioned within 5mm of the turning magnet. A bracket will need to be fashioned to suit the on-site geometry of the auger.

NOTE : The magnet will only work with the correct polarity facing the Magnet Sensor. This needs to be done by trying one way then the other. The correct orientation will lead to the LED light on the Magnet Sensor lighting when the magnet passes, and also the Magnet Sensor is supplied with a voltage. If a test needs to be made before the connection wires are connected to the Feed Logger, it is possible to apply 12V DC to the blue wire (negative / ground) and the red wire (positive).

The magnet can be fixed in position with adhesive tape. One extra magnet can be fitted opposite the first to increase sensitivity.

WIRING (only to be done by qualified personnel)

Magnet sensors are despatched with the following wiring sequence :

Blue+sheath	Ground
Red	V DC
Green	Signal

Any extension wires need to follow this sequence. A sheathed cable needs to be used for signal protection.

The connections inside the Feed Logger box for each auger is :

Blue+sheath	GND
Red	5V
Green	S

Pass all cables through the gland at the base of the Feed Logger box and tighten the nut.

OPTIONS

BIN TOTALS

With the bin totals you will be able **zero** the feed totals, **add deliveries** as well as **edit** the totals.

ZERO TOTALS:

This allows you to set a bin total to zero if the bin is empty before a feed delivery.

<p>On the Welcome Screen, select options by pressing SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>To select Bin Totals press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST., then Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 1 </div>
<p>To zero the bin total, Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 1 Totals Zero Total </div>
<p>To reconfirm your choice, if you wish to reduce the total to zero press SET. If you wish to keep the total feed already recorded, press ADJUST.</p> <p>You return to the Welcome Screen.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Bin 1 Total No Yes </div>

ADDING A DELIVERY:

This enables a new delivery of feed to be added to a bin total. See below for fast Hotkey method.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="943 409 1235 506" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="943 622 1235 719" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="943 835 1235 931" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST once to display Add Delivery. Press SET.</p>	<div data-bbox="943 1032 1235 1128" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Add Delivery </div>
<p>Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="943 1211 1235 1308" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

EDIT TOTALS:

This will enable you to estimate the bin total at the start of using the Select Logger.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="944 443 1235 539" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="944 658 1235 754" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="944 875 1235 972" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST twice to display Edit Total. Press SET.</p>	<div data-bbox="944 1070 1235 1167" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Edit Total </div>
<p>Enter the amount of feed there is available by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed in the bin) NOTE: If you are editing the total to 9258 for example, you will need to enter a 0 for the first digit. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="944 1249 1235 1346" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Edit 00541 09258 </div>



ADDING A DELIVERY: (Hotkey)

<p>1. If the machine is showing the welcome screen (right) press Start (Adjust)</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>2. Select the bin number by pressing ADJUST.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>3. Press Set for 2 seconds</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00000 </div>
<p>4. Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>Press Adjust to scroll through other bins to receive a delivery. Follow Steps 2 – 4.</p> <p>To return to the Welcome Screen, press and hold Adjust at any time.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

AUGER-BIN LINKS

To link your augers to designated bins follow these steps:

Note:

1. An auger can be linked to only one bin at a time.
2. A bin can have several augers assigned to it.

On the welcome screen press options	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Select Feed Start Options</p> </div>
1. Press ADJUST until you get to Auger-Bin Links	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Options Auger-Bin Links</p> </div>
2. Press SET. By pressing ADJUST, select the auger number you wish to link to a bin.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Auger-Bin Links Auger 3</p> </div>
3. Press SET. Press ADJUST to select the bin number.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">Auger 3 links to Bin 2</p> </div>
4. Press SET and you will return back to the welcome screen. In this case Auger 3 is now linked to Bin 2.	
5. Repeat steps 1 – 4 for the remaining augers to be linked.	

AUGER TOTALS

This function gives you the option to zero the Cumulative Total (as opposed to the Period Total for each auger).

The Cumulative (T) value can be allowed to run to show how much feed the auger has passed over a long period.

The Period (P) value can be zeroed from the normal operating screen.

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Select Feed Start Options </div>
2. Press ADJUST until you get to Auger totals.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Options Auger Totals </div>
3. Press SET. Press ADJUST until you get to the Auger number you wish to zero.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Auger Totals Auger 3 </div>
4. Press SET. Press No or Yes to re-confirm. You will return to the welcome screen.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Zero Auger 3? No Yes </div>
5. Repeat steps 1 – 4 for the remaining augers.	

CALIBRATION

The density and flow characteristics of feeds varies. In order to calibrate the augers you will need to do the following:

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Calibrate </div>
2. Press SET. Press Adjust until you reach the auger number you wish to calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrate Auger 4 </div>
3. Press SET. The red light should be flashing.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Waiting... </div>
4. Place a bin or bucket under the auger outlet inside the shed to collect the feed that runs out of the auger. Aim to collect between 10 – 20 kg.	
5. Switch on the auger. The screen will show “Collecting...” whilst you collect the feed in the bucket.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Collecting... </div>
6. Switch the auger off when you have collected 10 – 20kg, and weigh the contents of the bucket/bin.	
7. The next screen will automatically come up. Enter the weight of feed you have collected on this screen by pressing the ADJUST button. You will have to press the SET button after each digit entry to enter the remaining digits. (Ignore the 28p for the time being – this	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Enter Kg? 28p 00.0 </div>

is the number of magnet pulses received while collecting the feed).	
If no value is shown against P, check that the auger magnet and sensor are correctly positioned, and that the red light on the magnet sensor flashes with each pass of the magnet.	
8. Press the SET button and you will return to the welcome screen. This auger is now calibrated.	
9. Repeat steps 1 – 8 for the remaining augers.	
10. To return to the main screen, press ADJUST until you see the EXIT and press SET.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Options Exit </div>

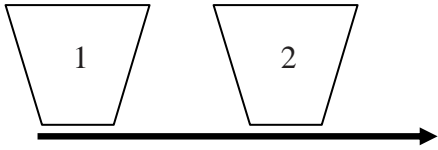
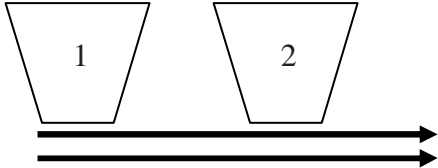
Operation

This function shows the daily usage of feed through the augers, and the current totals of the feed bins.

1. On the welcome screen, select Start by pressing the ADJUST button.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Select Feed Start Options </div>
2. The top figure (T) shows the amount of feed in Bin 1 which will be decreasing. The bottom figures show which augers are assigned to Bin 1 – in this case Augers 3, 4, and 5.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Bin 1 T12675Kg A3 A4 A5 </div>
3. To view other bin numbers, press ADJUST repeatedly.	

<p>4. Once you have scrolled through all 6 bins, you will see auger information.</p> <p>The top (T) figure shows the Cumulative auger total of feed passed since last returned to zero (via Options) This figure will be an increasing value as feed is passed.</p> <p>The bottom right-hand (P) figure shows the Period total (daily usage). This figure will also be an increasing value. You can ZERO this total (daily if desired) by pressing SET for 2 seconds. This will give the feed consumption for the house being serviced by this auger.</p> <p>The B2 figure shows that in this case, Auger 3 is linked to Bin 2.</p>	<div data-bbox="938 219 1230 315" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p>Auger 3 T00473kg B2 P00483kg</p> </div>
<p>Press Adjust to see all 6 auger information screens.</p>	
<p>If at any time you wish to go back to the Welcome Screen press and hold ADJUST.</p>	

EXAMPLES

<p>Two bins connected by a single auger. Only one bin open at a time.</p> <p>Connect the Magnet Sensor to Auger 1 Position inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	
<p>Two bins feeding two augers going to separate houses. Only one bin open at a time.</p> <p>Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 and Auger Position 2 inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Repeat and also link Auger 2 to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link both augers to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	

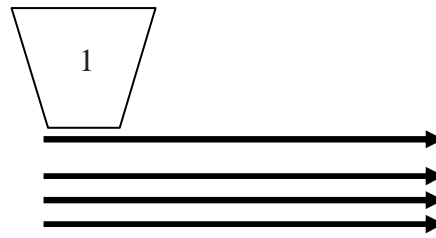
Multiple augers from a single bin.

Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 to 6 inside the Feed Logger box (maximum of six augers per Feed Logger box).

On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1.

Repeat for all additional auger linking each to Bin 1.

If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.



Note: One bin can have many augers linked to it. BUT, an auger can only be linked to one bin at a time.

SELECT Feed Logger

Instructions for Use

V 1.2 Jan '10

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8	Auger-bin links
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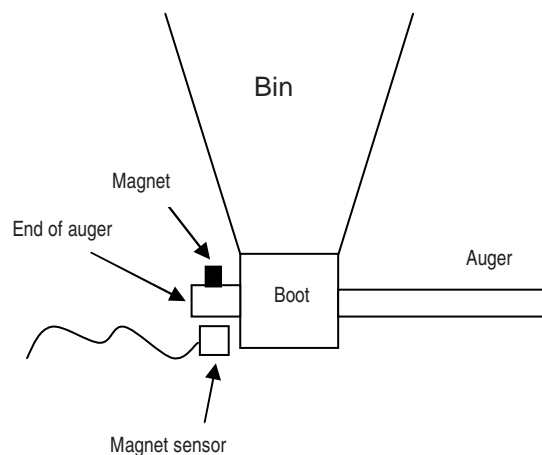
INTRODUCTION

The Select Feed Logger is an intelligent feed monitoring system that allows users to view current bin (feed bin) content weights for up to 6 bins, see augered quantities over a day or longer periods for up to 6 augers, and link augers to bins in various combinations.

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INSTALLATION



Supplied with the Feed Logger is one magnet per Magnet Sensor requested at the time of ordering.

The magnet needs to be secured to a turning part of an auger. Normally this is the piece that protrudes from the end bearing as shown in the diagram above. In fact any turning part can be used to mount the magnet.

The Magnet Sensor needs to be positioned within 5mm of the turning magnet. A bracket will need to be fashioned to suit the on-site geometry of the auger.

NOTE : The magnet will only work with the correct polarity facing the Magnet Sensor. This needs to be done by trying one way then the other. The correct orientation will lead to the LED light on the Magnet Sensor lighting when the magnet passes, and also the Magnet Sensor is supplied with a voltage. If a test needs to be made before the connection wires are connected to the Feed Logger, it is possible to apply 12V DC to the blue wire (negative / ground) and the red wire (positive).

The magnet can be fixed in position with adhesive tape. One extra magnet can be fitted opposite the first to increase sensitivity.

WIRING (only to be done by qualified personnel)

Magnet sensors are despatched with the following wiring sequence :

Blue+sheath	Ground
Red	V DC
Green	Signal

Any extension wires need to follow this sequence. A sheathed cable needs to be used for signal protection.

The connections inside the Feed Logger box for each auger is :

Blue+sheath	GND
Red	5V
Green	S

Pass all cables through the gland at the base of the Feed Logger box and tighten the nut.

OPTIONS

BIN TOTALS

With the bin totals you will be able **zero** the feed totals, **add deliveries** as well as **edit** the totals.

ZERO TOTALS:

This allows you to set a bin total to zero if the bin is empty before a feed delivery.

<p>On the Welcome Screen, select options by pressing SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>To select Bin Totals press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST., then Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 1 </div>
<p>To zero the bin total, Press SET.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 1 Totals Zero Total </div>
<p>To reconfirm your choice, if you wish to reduce the total to zero press SET. If you wish to keep the total feed already recorded, press ADJUST.</p> <p>You return to the Welcome Screen.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Bin 1 Total No Yes </div>

ADDING A DELIVERY:

This enables a new delivery of feed to be added to a bin total. See below for fast Hotkey method.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="943 405 1235 501" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="943 622 1235 719" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="943 837 1235 934" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST once to display Add Delivery. Press SET.</p>	<div data-bbox="943 1032 1225 1128" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Add Delivery </div>
<p>Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="943 1211 1235 1308" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

EDIT TOTALS:

This will enable you to estimate the bin total at the start of using the Select Logger.

<p>On the welcome screen, select options by pressing SET.</p>	<div data-bbox="944 443 1235 539" style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>Press ADJUST and select Bin Totals. Press SET.</p>	<div data-bbox="944 658 1235 754" style="border: 1px solid black; padding: 5px; text-align: center;"> Options Bin Totals </div>
<p>Select the bin number by pressing ADJUST. Press SET.</p>	<div data-bbox="944 875 1235 972" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>Press ADJUST twice to display Edit Total. Press SET.</p>	<div data-bbox="944 1070 1235 1167" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Totals Edit Total </div>
<p>Enter the amount of feed there is available by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed in the bin) NOTE: If you are editing the total to 9258 for example, you will need to enter a 0 for the first digit. Press SET.</p> <p>You return to the Welcome Screen.</p>	<div data-bbox="944 1249 1235 1346" style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Edit 00541 09258 </div>



ADDING A DELIVERY: (Hotkey)

<p>1. If the machine is showing the welcome screen (right) press Start (Adjust)</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
<p>2. Select the bin number by pressing ADJUST.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin Totals Bin 3 </div>
<p>3. Press Set for 2 seconds</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00000 </div>
<p>4. Enter the amount of feed you are adding by pressing ADJUST. You will need to press SET after each digit entry. (The figure at the top displays the current total of feed still in the bin) NOTE: If you are adding 500 kg for example, you will need to enter 00500. Press SET.</p> <p>Press Adjust to scroll through other bins to receive a delivery. Follow Steps 2 – 4.</p> <p>To return to the Welcome Screen, press and hold Adjust at any time.</p>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Bin 3 Add 12583 00500 </div>

AUGER-BIN LINKS

To link your augers to designated bins follow these steps:

Note:

1. An auger can be linked to only one bin at a time.
2. A bin can have several augers assigned to it.

On the welcome screen press options	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Auger-Bin Links	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Options Auger-Bin Links </div>
2. Press SET. By pressing ADJUST, select the auger number you wish to link to a bin.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Auger-Bin Links Auger 3 </div>
3. Press SET. Press ADJUST to select the bin number.	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Auger 3 links to Bin 2 </div>
4. Press SET and you will return back to the welcome screen. In this case Auger 3 is now linked to Bin 2.	
5. Repeat steps 1 – 4 for the remaining augers to be linked.	

AUGER TOTALS

This function gives you the option to zero the Cumulative Total (as opposed to the Period Total for each auger).

The Cumulative (T) value can be allowed to run to show how much feed the auger has passed over a long period.

The Period (P) value can be zeroed from the normal operating screen.

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
2. Press ADJUST until you get to Auger totals.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Auger Totals </div>
3. Press SET. Press ADJUST until you get to the Auger number you wish to zero.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Auger Totals Auger 3 </div>
4. Press SET. Press No or Yes to re-confirm. You will return to the welcome screen.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Zero Auger 3? No Yes </div>
5. Repeat steps 1 – 4 for the remaining augers.	

CALIBRATION

The density and flow characteristics of feeds varies. In order to calibrate the augers you will need to do the following:

1. On the welcome screen press options .	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Select Feed Start Options </div>
1. Press ADJUST until you get to Calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Options Calibrate </div>
2. Press SET. Press Adjust until you reach the auger number you wish to calibrate.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrate Auger 4 </div>
3. Press SET. The red light should be flashing.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Waiting... </div>
4. Place a bin or bucket under the auger outlet inside the shed to collect the feed that runs out of the auger. Aim to collect between 10 – 20 kg.	
5. Switch on the auger. The screen will show “Collecting...” whilst you collect the feed in the bucket.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Calibrating #4 Collecting... </div>
6. Switch the auger off when you have collected 10 – 20kg, and weigh the contents of the bucket/bin.	
7. The next screen will automatically come up. Enter the weight of feed you have collected on this screen by pressing the ADJUST button. You will have to press the SET button after each digit entry to enter the remaining digits. (Ignore the 28p for the time being – this	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Enter Kg? 28p 00.0 </div>

is the number of magnet pulses received while collecting the feed).	
If no value is shown against P, check that the auger magnet and sensor are correctly positioned, and that the red light on the magnet sensor flashes with each pass of the magnet.	
8. Press the SET button and you will return to the welcome screen. This auger is now calibrated.	
9. Repeat steps 1 – 8 for the remaining augers.	
10. To return to the main screen, press ADJUST until you see the EXIT and press SET.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Options Exit </div>

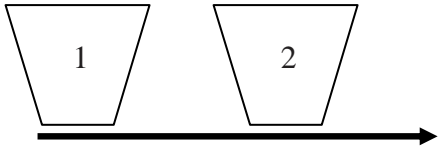
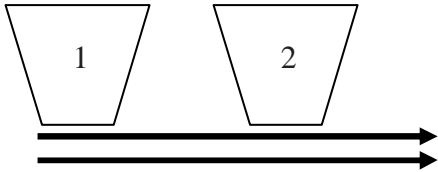
Operation

This function shows the daily usage of feed through the augers, and the current totals of the feed bins.

1. On the welcome screen, select Start by pressing the ADJUST button.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Select Feed Start Options </div>
2. The top figure (T) shows the amount of feed in Bin 1 which will be decreasing. The bottom figures show which augers are assigned to Bin 1 – in this case Augers 3, 4, and 5.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Bin 1 T12675Kg A3 A4 A5 </div>
3. To view other bin numbers, press ADJUST repeatedly.	

<p>4. Once you have scrolled through all 6 bins, you will see auger information.</p> <p>The top (T) figure shows the Cumulative auger total of feed passed since last returned to zero (via Options) This figure will be an increasing value as feed is passed.</p> <p>The bottom right-hand (P) figure shows the Period total (daily usage). This figure will also be an increasing value. You can ZERO this total (daily if desired) by pressing SET for 2 seconds. This will give the feed consumption for the house being serviced by this auger.</p> <p>The B2 figure shows that in this case, Auger 3 is linked to Bin 2.</p>	<div data-bbox="938 219 1230 315" style="border: 1px solid black; padding: 5px; text-align: center;"> Auger 3 T00473kg B2 P00483kg </div>
<p>Press Adjust to see all 6 auger information screens.</p>	
<p>If at any time you wish to go back to the Welcome Screen press and hold ADJUST.</p>	

EXAMPLES

<p>Two bins connected by a single auger. Only one bin open at a time.</p> <p>Connect the Magnet Sensor to Auger 1 Position inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	
<p>Two bins feeding two augers going to separate houses. Only one bin open at a time.</p> <p>Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 and Auger Position 2 inside the Feed Logger box.</p> <p>On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1 or Bin 2 (whichever is open).</p> <p>Repeat and also link Auger 2 to Bin 1 or Bin 2 (whichever is open).</p> <p>Remember to re-link both augers to Bin 2 when you switch over when Bin 1 is empty.</p> <p>If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.</p>	

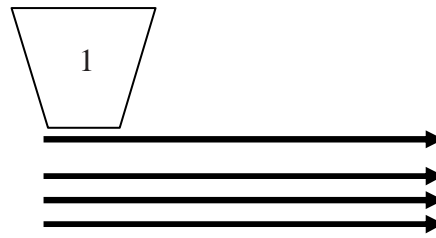
Multiple augers from a single bin.

Magnet Sensors need to be fitted to each auger, then connected to Auger Position 1 to 6 inside the Feed Logger box (maximum of six augers per Feed Logger box).

On-screen, go to Options / Auger-Bin Links, select Auger 1 and then link to Bin 1.

Repeat for all additional auger linking each to Bin 1.

If Bin 255 or Bin 0 is shown, scroll further until Bins 1 to 6 are shown. Bin 255 and) will not be shown again.



Note: One bin can have many augers linked to it. BUT, an auger can only be linked to one bin at a time.