



Quick Sheet Instructions

Feed Commander (for Farrowing Tube Drop) #780428

Figure 1 Feed Commander Control

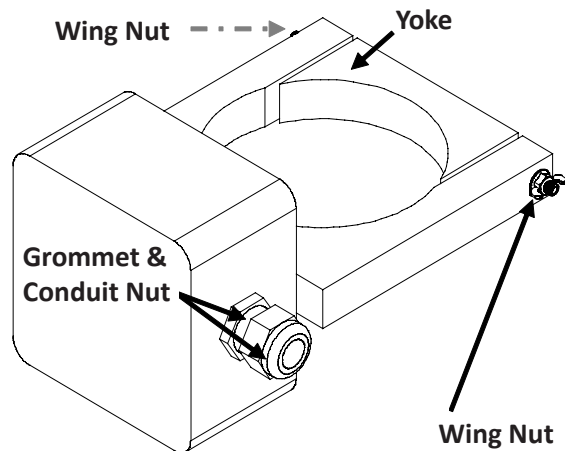
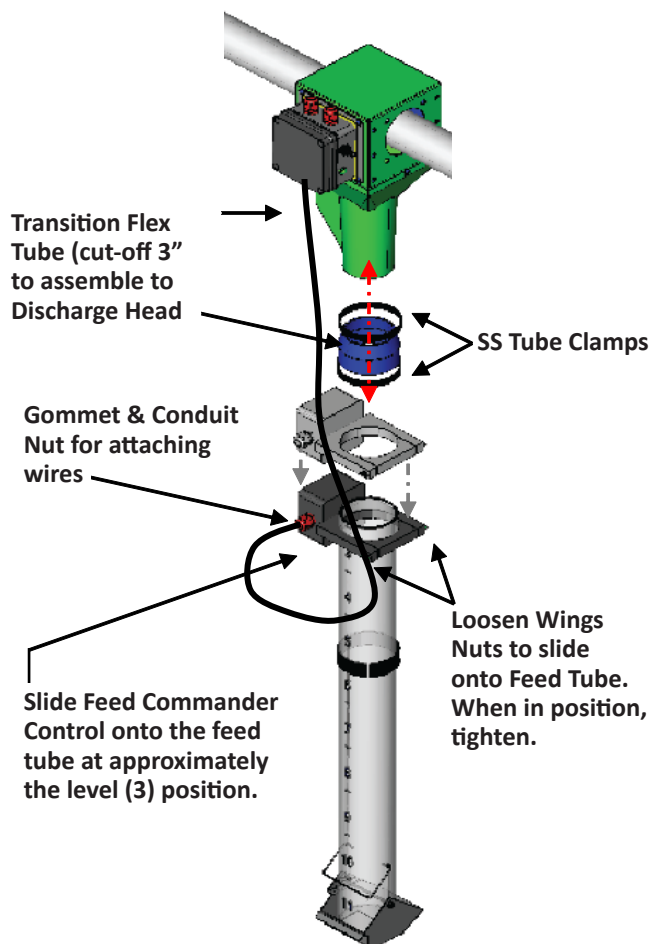
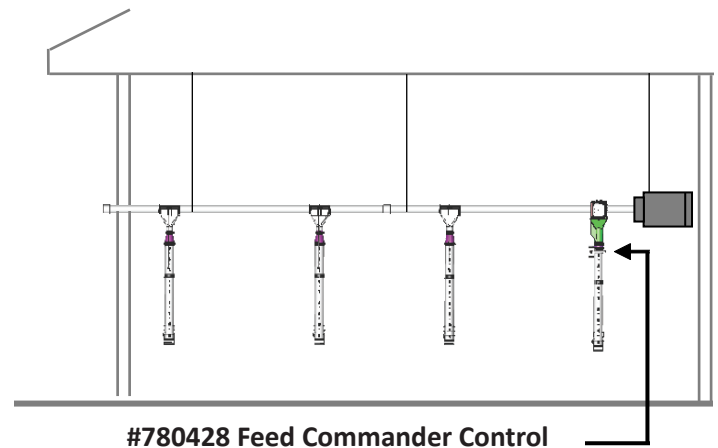


Figure 2 Feed Commander Control Position



The Feed Commander #780428 is an infra-red control which identifies the presence or absence of feed in the Farrowing Tube Drop. When the grain is lower than the required level on the feed tube the infra-red light will trigger the control to turn on the feed motor and auger at *set* run times and according to delay set ups. *Instructions on the next page will show you how to set up the Run time/Delay feature of the #780428 control.* When an "out of feed event" occurs and run time expires the feed system will be shut down. The #780428 control attaches to the feed tube drop and can easily slide to a desired position. *(Positioning at Level 3 on the Farrowing Tube Drop is considered acceptable for keeping your feed tubes at a desired level. You may adjust this level as you experience the requirements of your individual sows.)*

Figure 3 Feed Commander Feed Line Location



Assembly Instructions

Install the Feed Commander onto Feed Tube at the Discharge Head which will be located at the LAST Farrowing Feed Tube Drop of the feed line from point of feed entry. See Figure 3 above.

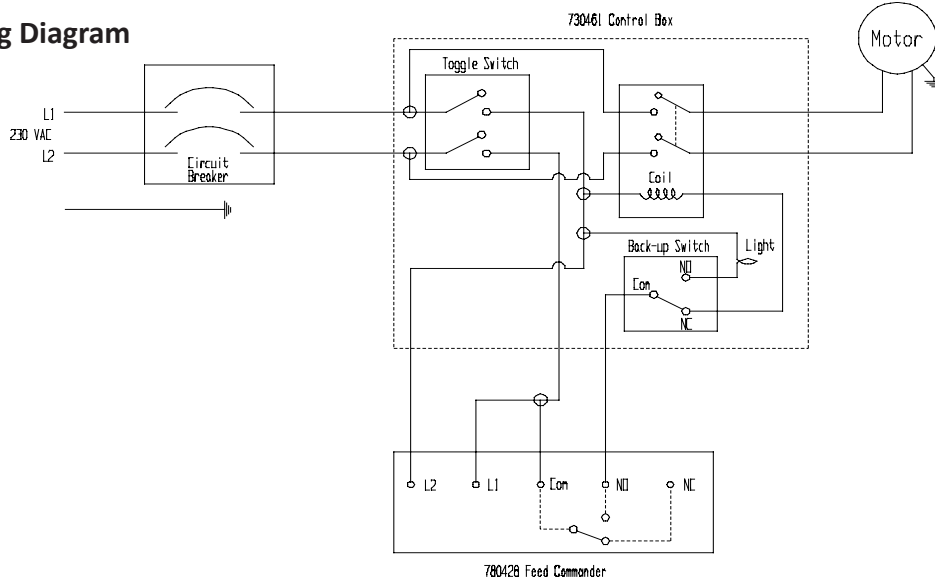
1. Begin by loosening the Wing Nuts on the Yoke to slide the Feed Commander onto the Feed tube.
2. Slide the Feed Commander Control onto the Feed Tube at approximately the (3) level position on feed tube. When in desired position, tighten the Wing Nuts.
3. Attach wires (sensor cable) to Feed control on Discharge Head as shown in Figure 2 and detailed on next page step 4 and on wiring diagram.

Assembly Instructions continued

 **Wire not included and wiring should be done by a qualified electrician!** 

- Attach wire from Feed Commander control (FCC), (L2) to Toggle Switch on control box. Attach 2nd wire (L1) from FCC to Toggle Switch in control box. Then Jumper (L1) from FCC to common on FCC. Attach wire from NO (normally open) on FCC to COM on back-up switch in control box. (as shown in wiring diagram below).

Wiring Diagram



Parts Packing List

| PART # | DESCRIPTION | QTY |
|--------|--------------------------------|-----|
| 780428 | Feed Commander Control | 1 |
| | NO REPLACEMENT PARTS AVAILABLE | |

Cable (wire) Connections

White - Line 1
Black - Line 2
Red - Common
Blue - Normally Open
Orange - Normally Closed

Input

24-28 VDC
24-250 VAC

Control Output

Normally Open Contact

Max. 28 VDC, 12 Amp Resistive
Max. 250 VAC, 12 Amp Resistive
125 VAC, 3/4 HP
250 VAC, 3/4 HP

Normally Closed Contact

Max. 28 VDC, 10 Amp Resistive
Max. 250 VAC, 10 Amp Resistive
125 VAC, 1/4 HP
250 VAC, 1/2 HP

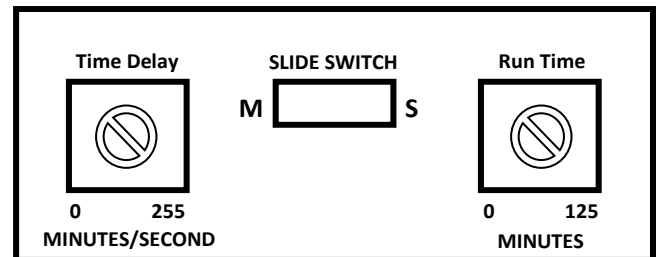


- All wiring should be done according to NEC, BY A QUALIFIED ELECTRICIAN ONLY.
- Use only a thermally protected motor
- #12 ga. **MINIMUM** wire should be used
- Torque 7.0 in-Lb.



Control Operation

- Set the "RESTART DELAY" knob according to feeder size.
 - Small feeder sizes will need to be restarted approximately every 30 minutes.
 - Bigger Sizes need to be restarted approximately every 4 hours..
- Set the "MAX. RUN TIME" knob somewhat longer than it takes to fill the feed system. When run time expires, the switch will go into a fault and shut down the feed system. The switch will have to be reset.
- Turn "MAX. RUN TIME" knob to zero, or cycle power to reset max run time.



TIME DELAY SLIDE SWITCH

SELECT "M" FOR MINUTES
SELECT "S" FOR SECONDS

| LED COLOR | READING | STATUS |
|--------------------------------|------------|--------|
| Green | Grain | Full |
| Red | No Grain | Empty |
| Flashing Red | On Delayed | |
| Flashing Red/Green | RT expired | Fault |
| Flashing Red/Green on Power Up | RT enabled | |

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