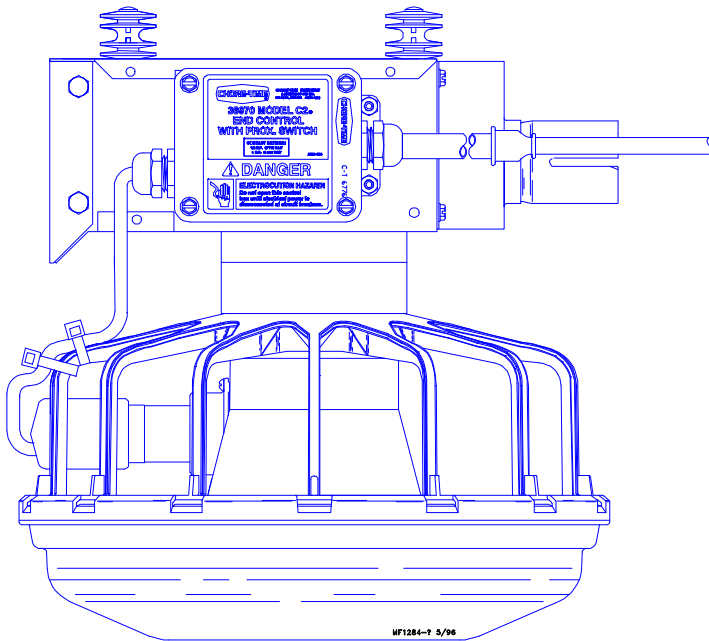




Proximity End Control

Part No. 36970



CAUTION



The equipment may start automatically.

**Disconnect electrical power prior to
servicing the equipment.**

**Keep hands and tools clear of
the auger at all times.**

Introduction

The Proximity End Control w/On Delay was designed to provide reliable system control in broiler feeder applications.

The Proximity End Control uses a Proximity Switch to sense feed and cause the system to start and stop. The Proximity Switch has sensitivity adjustment and delay adjustment screws.

The Proximity End Control is to be located at the end of the feeder line.

Do not hinder bird movement around the Proximity End Control. Provide adequate lighting so that the birds will not shy away from the End Control.

MF1284B4

January 1997

End Control Unit Assembly

Refer to the Model C, C2, H2, & G Installation Manual (MF966) for system installation procedure. Disregard the End Control Unit Assembly installation information.

The Control Unit must be at least 10 feet (3 m) from the end of the building to allow birds access around the end of the feeder line.

Assemble the End Controls to the Power Units according to the instructions below and Figure 1.

1. The Anchor Plate is shipped secured to the Control Unit using bolts. Remove the Anchor Bracket.
2. Bolt the Anchor Bracket to the Power Unit using the (4) bolts (items #3) in the front of the gearhead. The angled end of the Anchor Plate should be installed toward the bottom of the Power Unit.
3. Bolt the Control Unit Body Assembly to the Anchor Bracket, using 10-24 bolts (items 4). Remove the Top and Bottom Closures on the Control Unit to fasten auger to the power unit.
4. Connect the power/control unit to the feeder line using a clamp/anti-roost bracket. It may be necessary to place a temporary support under the motor until the feeder line is suspended.
5. Remove plastic shipping plug and replace with vented plug, supplied.

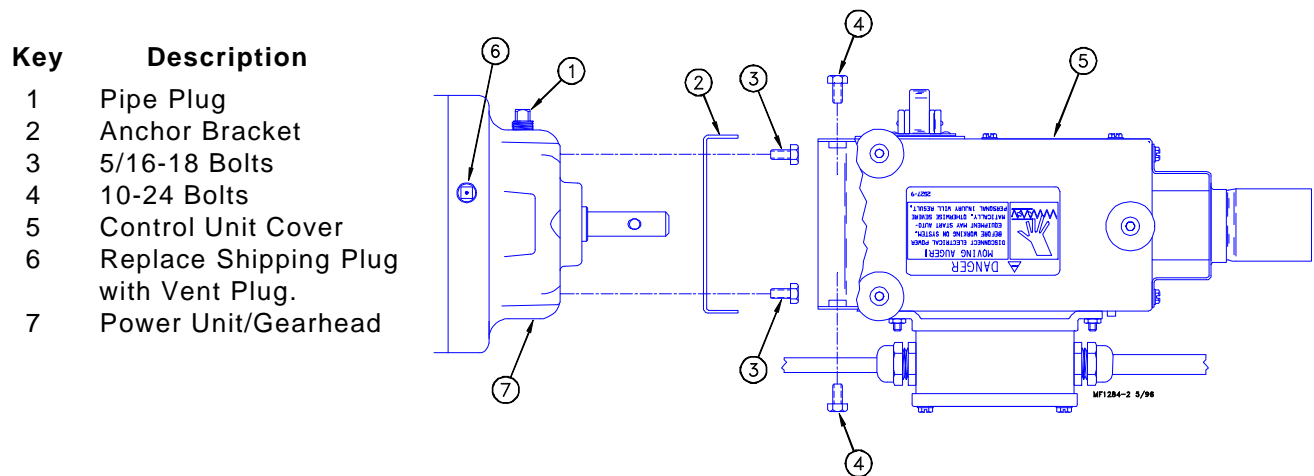
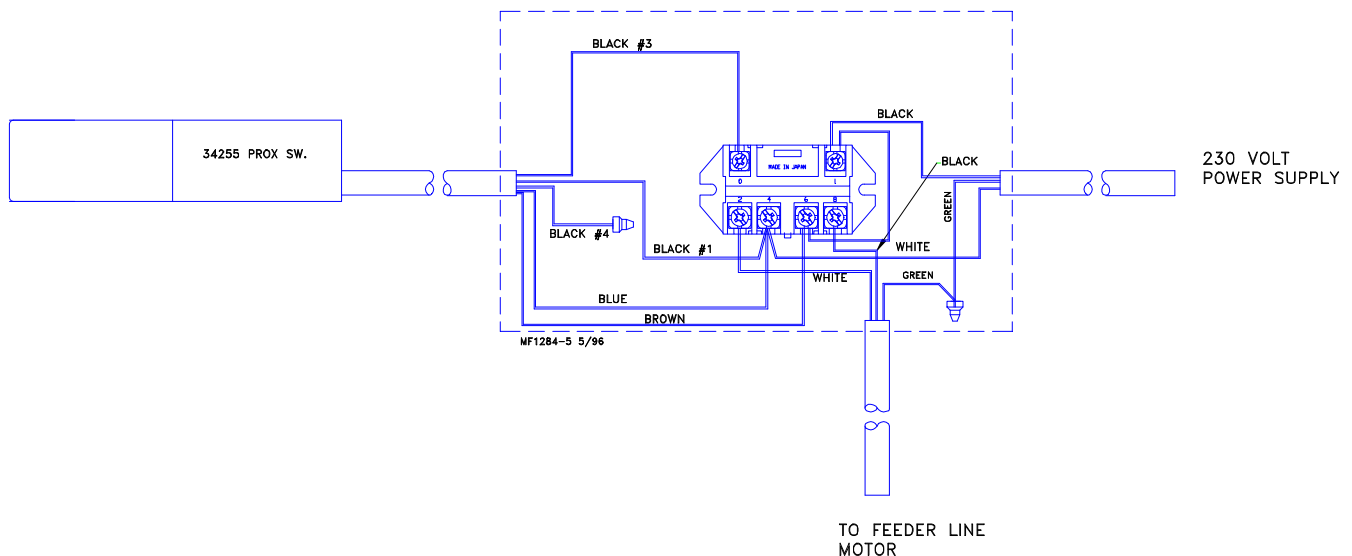


Figure 2. Control Unit Installation (Top View with Pan Components not shown for clarity).

Wiring Information

Refer to the wiring diagram below for information on wiring the End Control.



Operation

When the switch senses feed, the internal relay is activated immediately, stopping the system. When feed is removed, the delay is activated and prevents the system from starting until it has timed out.

Setting the Delay

The Proximity Switch includes an adjustable delay. The delay may be set from 1 second to 10 minutes.

- A. Use a small screw driver provided to turn the Delay Adjustment Screw (see Figure 4). Turn the screw counter clockwise until the light stays on. Turn the screw clockwise one complete revolution. This sets the delay to 1 second.

- B. To increase the delay, turn the Delay Adjustment Screw clockwise.

Watch the indicator light; quick flashes = shorter time delay, slow flashes = longer time delay.

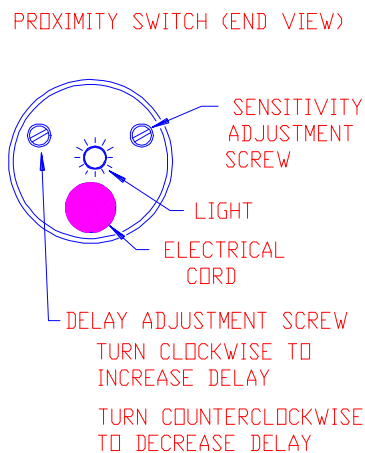
Adjusting the Sensitivity

The Proximity Switch is shipped with the sensitivity preset at the factory. This setting is adequate for most feed types and conditions. However if the sensitivity does need to be adjusted, carefully follow these instructions:

- A. Allow power to be supplied to the switch for at least 15 minutes to properly warm the sensor. See the wiring diagrams in this manual.
- B. Set the Proximity Switch time delay to 1 second as specified above.
- C. Use a small screw driver to remove the caulk concealing the Sensitivity Adjustment Screw.
- D. Greater switch sensitivity is achieved by turning the Sensitivity Adjustment Screw clockwise.

Less switch sensitivity is achieved by turning the Sensitivity Adjustment Screw counterclockwise.

Note the screw orientation before beginning adjustment. Adjust the Sensitivity Adjustment Screw 1/4 turn, test switch, continue adjusting as required.

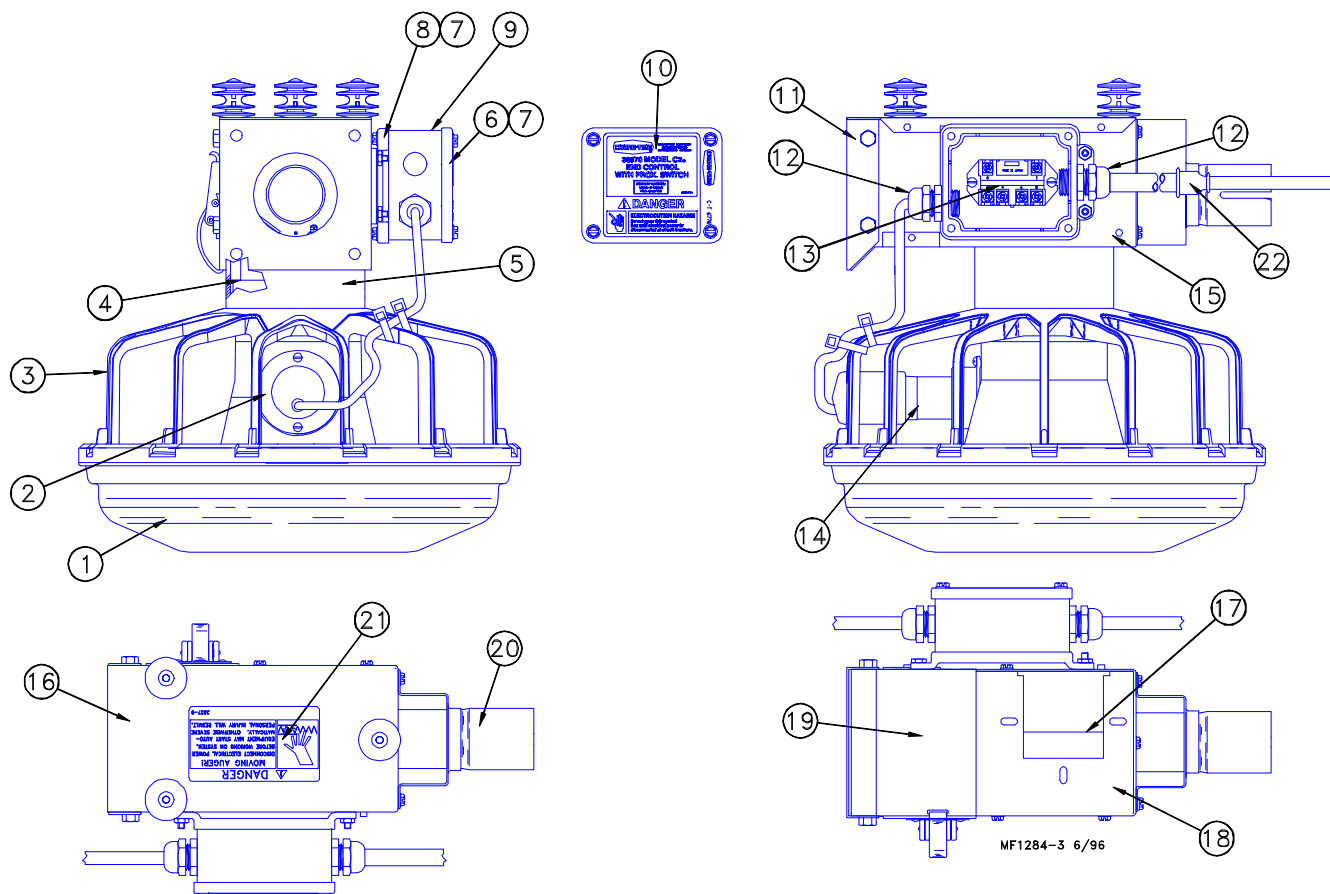


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Figure 4. Proximity Switch Adjustments (end view of Proximity Switch).

Proximity End Control w/On Delay

Part No. 36970



Item	Description	Part No.
1	Feeder Pan	25281
2	Switch Mount Collar	36966
3	Grill	25280
4	Support Collar	36866
5	Control Unit Sleeve	29349
6	Switch Box Cover	6776
7	Gasket	6777
8	Switch Box Cover	37047
9	Switch Box	36334-2
10	Decal	2529-484
11	Anchor Plate	4188
12	Liquid Tight Connector	23779
13	DPST Relay	34654

Item	Description	Part No.
14	Proximity Switch Assembly	36881-1
	Proximity Switch	34255
	Safety Cap	36467
	Liquid Tight Connector	23779
15	Control Body	36965
16	Top Cover Assembly	36967
17	Deflector Panel	34310
18	Mount Bracket	34309
19	Bottom Cover	36964
20	Tube Bracket Weldment	24683
21	Danger Decal	2527-9
22	Cord Assembly	4999-97

Contact your nearby Chore-Time distributor or representative for additional parts and information.

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