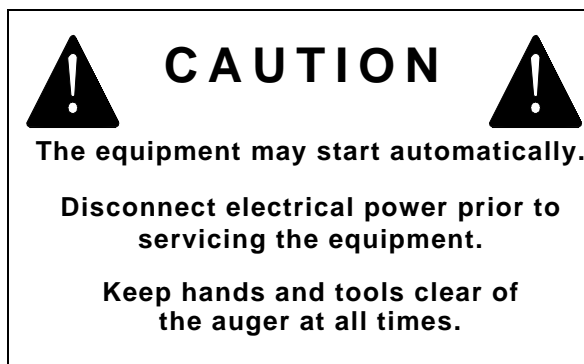
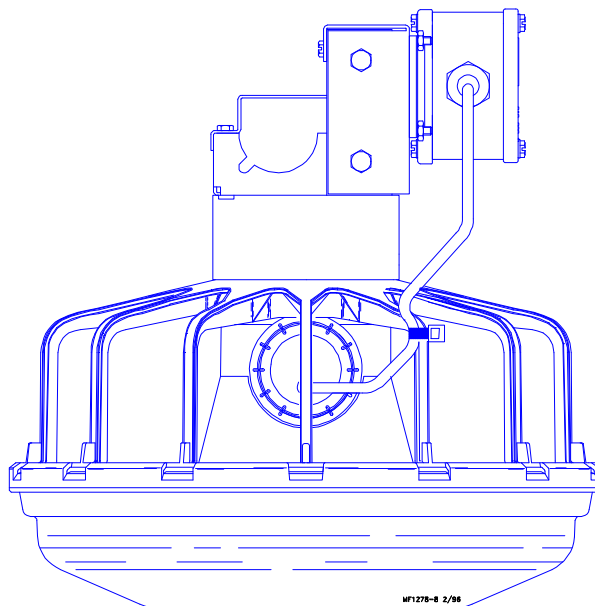




Proximity Intermediate Control

Part No. 36880



Introduction

The Proximity Intermediate Control w/On Delay was designed for brood applications.

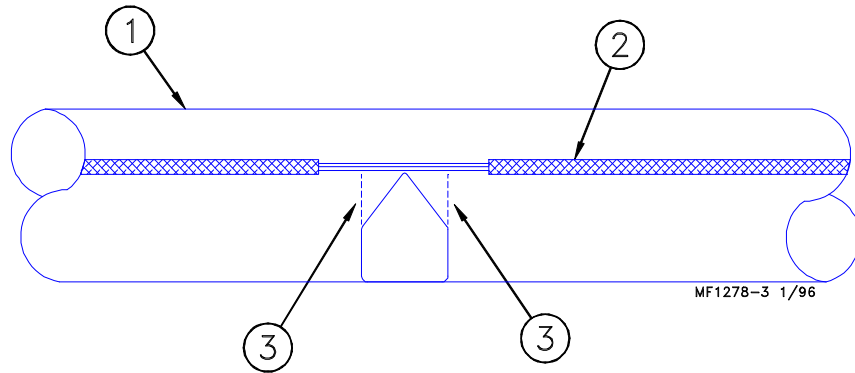
The Proximity Intermediate Control uses a Proximity Switch to sense feed and cause the system to start and stop. The Proximity Switch has sensitivity adjustment and delay adjustment screws.

The Proximity Intermediate Control is to be located just prior to the brood partition.

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

Installation

The Auger Tube with the Intermediate Control must have each hole enlarged, as shown in Figure 1. This will ensure total feed dropout before the Intermediate Control. Use a hacksaw and tin snips to enlarge hole size. Be sure there are no burrs inside the tube to catch the auger.



Key	Description
1	Auger Tube
2	Tube Seam
3	Cut here to enlarge outlet holes.

Figure 1. Enlarging the Outlet Holes (front view).

Install the Proximity Intermediate Control:

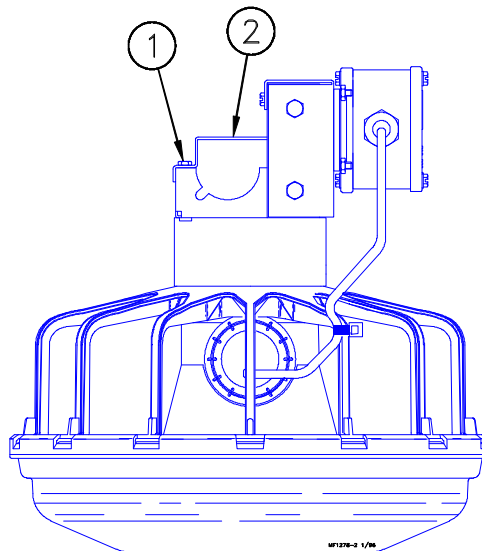
Remove the (2) Hex Head Screws securing the Tube Retainer on the Intermediate Control. See Figure 2.

Lift off the Tube Retainer.

Cradle the Feeder Tube in the Control Housing. The Feeder Tube may have to be turned to allow the pan to hang straight.

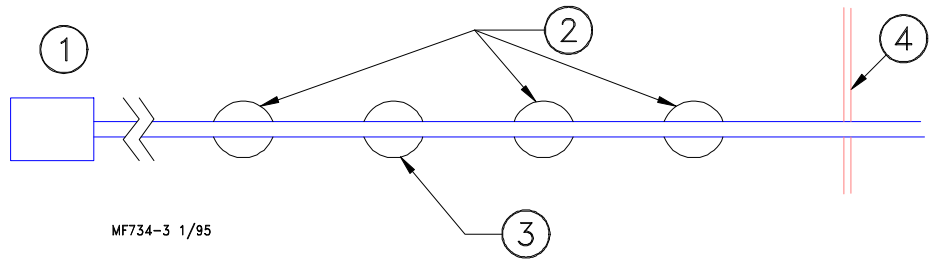
Clamp the Control in place by inserting tabs on the Tube Retainer into the slots on the Control Body. Install and tighten the two hex head screws, removed above.

Figure 3 shows an Intermediate Control installed in the appropriate location.



Key	Description
1	(2) Hex Head Screws
2	Tube Retainer

Figure 2. Intermediate Control Installation (side view).



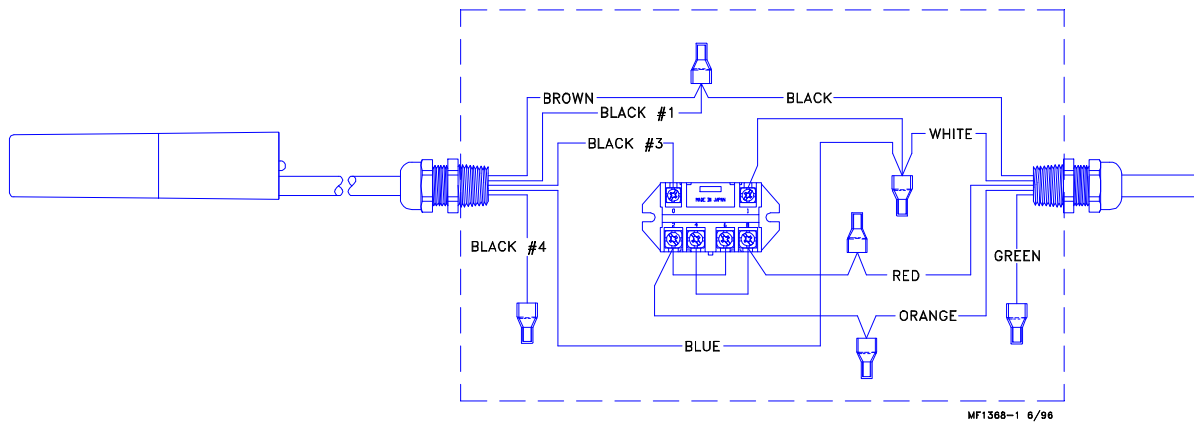
Key	Description
2	Hopper at the end of the Feeder Line.
3	Intermediate Control Unit Partition or Curtain

Wire the Control

the circuit breakers before performing any service work.

Important: **constant**
the black and the white wires.

Proximity Intermediate Control Internal Wiring

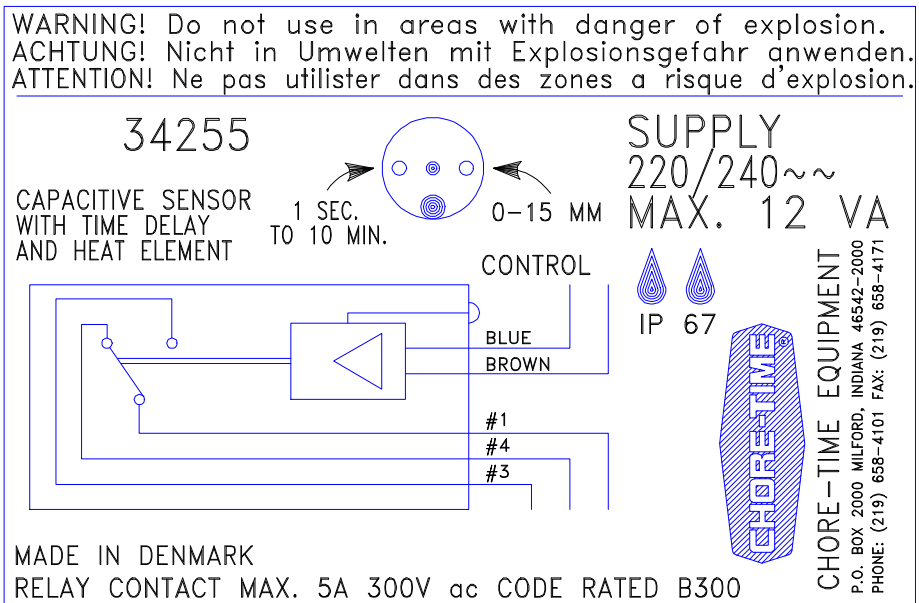


Proximity Switch Schematic

Important:

This wiring schematic represents the switch in the non-powered condition. When power is applied the N.O. and N.C. contacts reverse.

Refer to the wiring diagrams, above, when wiring the Proximity Switch.



MF1368-2 5/96

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.

PROXIMITY SWITCH (END VIEW)

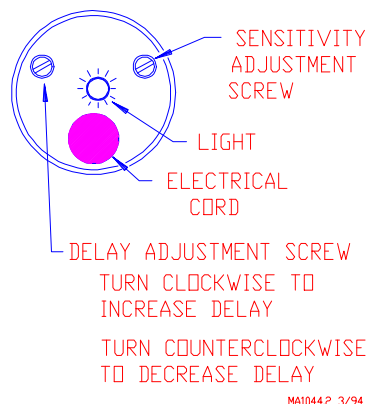
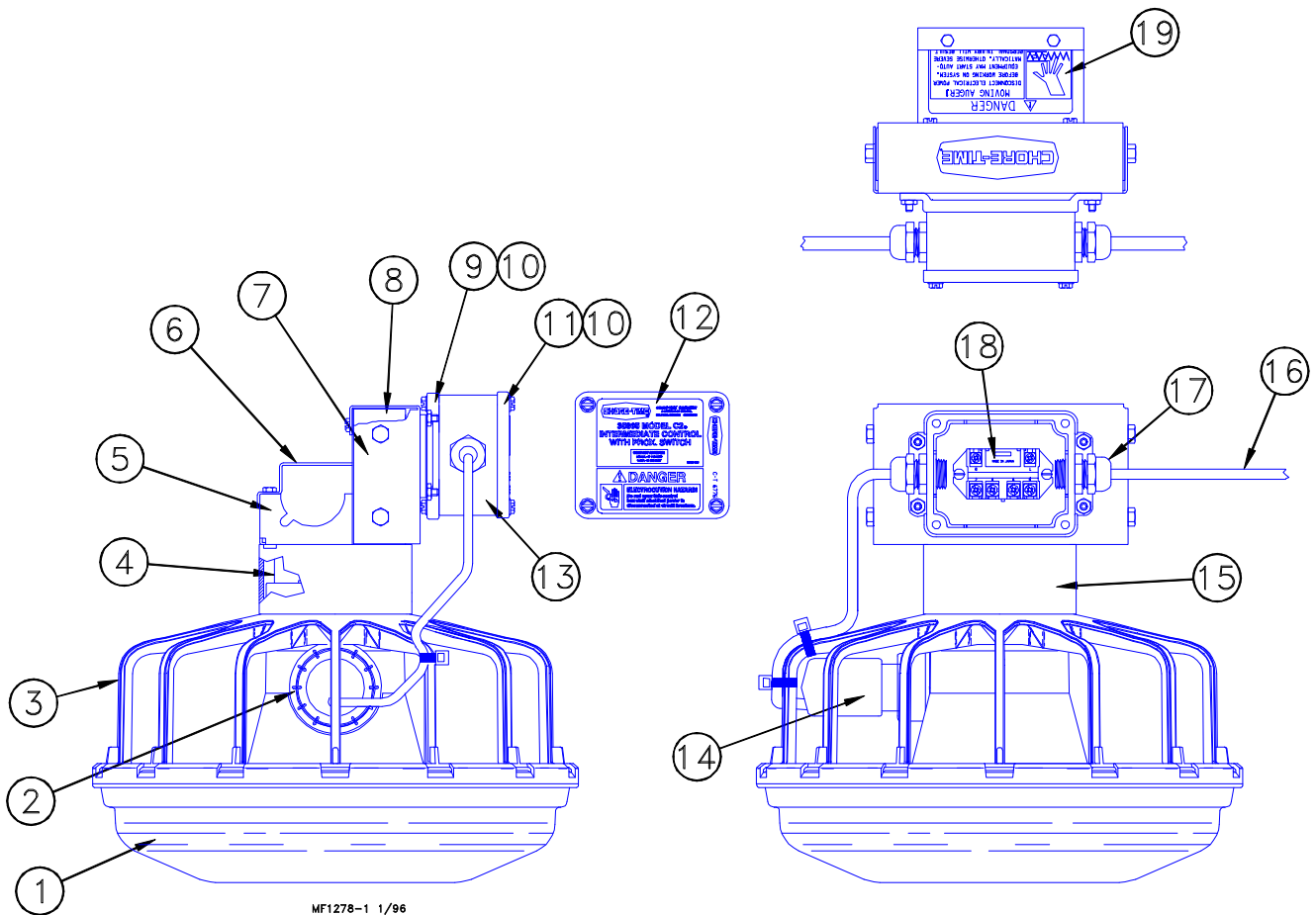


Figure 4. Proximity Switch Adjustments (end view of Proximity Switch).

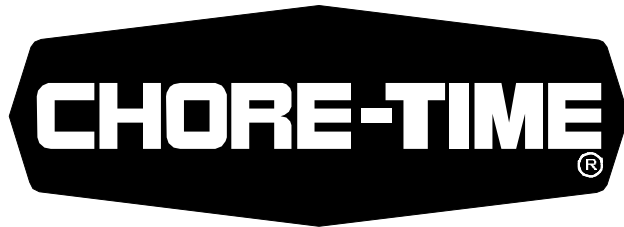
Proximity Intermediate Control w/On Delay

Part No. 36880



Item	Description	Part No.
1	Feeder Pan	25281
2	Switch Mount Collar	36966
3	Grill	25280
4	Support Cone	36866
5	Tube Support	14754
6	Tube Retainer	14756
7	Back Cover	36869
8	Front Panel	37061
9	Switch Box Cover	27047
10	Gasket	6777
11	Switch Box Cover	6776
12	Danger Decal	2529-480
13	Switch Box	36334-1
14	Proximity Switch Ass'y	36881-1
	Proximity Switch	34255
	Safety Cap	36467
	Liquid Tight Conn.	23779
15	Control Unit Sleeve	29349
16	Cord Assembly	4999-96
17	Liquid Tight Connector	24685
18	DPST 240 V. Relay	34654
19	Danger Decal	2527-9

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