CHORE-TIME® Rod Conveyor Control Instructions

Rod Conveyor Master Control

Part No. 29555

The Rod Conveyor Master Control is used to control the entire egg collection system. It provides 230 V power to each Egg Collector Master Control Panel. It also supplies 24 V control power to each Rod Conveyor Control Panel.

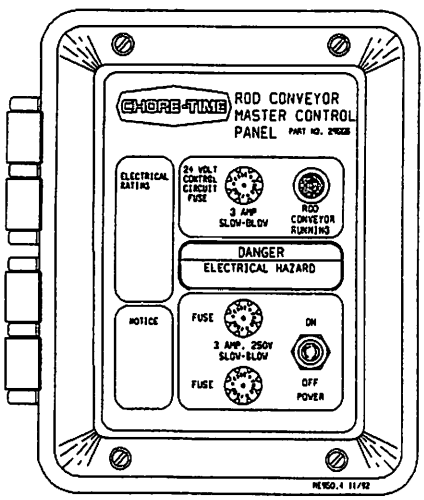
The Master Control should be wall-mounted in the egg room.

During operation, the Master Control POWER switch must be set to the ON position. The entire egg collection system will be shut down when the POWER switch is OFF

The rod conveyor should be running anytime the ROD CONVEYOR RUNNING light is on. If the Master Control Switch is ON and the egg packer is calling for eggs, but the indicator light is OFF, check the for the following conditions;

1. A motor overload has been tripped. The MOTOR OVERLOAD TRIPPED light will be lit on appropriate Rod Conveyor Control Panel.
2. A System Control Switch on a Rod Conveyor Control Panel has been set to the OFF position.

The 29615 Transformer wires into the Rod Conveyor Master Control. See the wiring diagram on pages 2 & 3.



Rod Conveyor Control Panel

Part No. 29499 (Three Phase)
Part No. 29599 (Single-Phase)

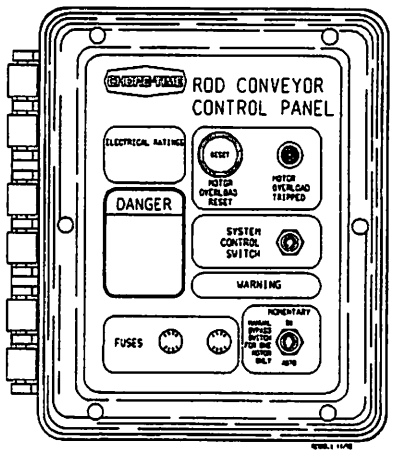
The Rod Conveyor Control Panel is used to individually control each Power Unit.

The Control Panel may be wall mounted in a convenient location near the Power Unit. If desired, the Control Panel may instead be mounted directly to the top of the Power Unit.

During normal operation, the SYSTEM CONTROL SWITCH should be set in the AUTO position. Setting the SYSTEM CONTROL SWITCH in the OFF position, will shut down the entire egg collection system.

The MOMENTARY switch may be used to briefly run one power unit. Do not use the MOMENTARY switch to run the system for more than a few seconds.

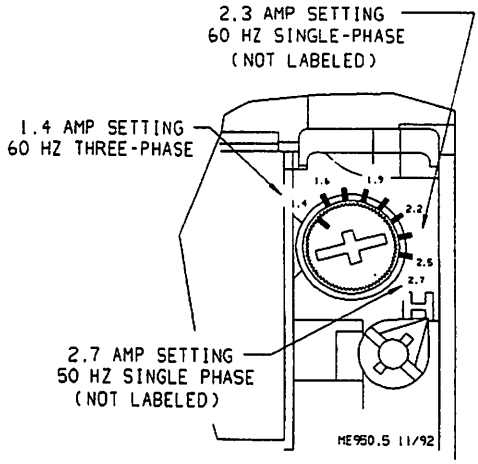
If any of the motor overloads are tripped, the MOTOR OVERLOAD TRIPPED light on the appropriate control will be lit. Press the MOTOR OVERLOAD RESET button to reset the tripped overload.

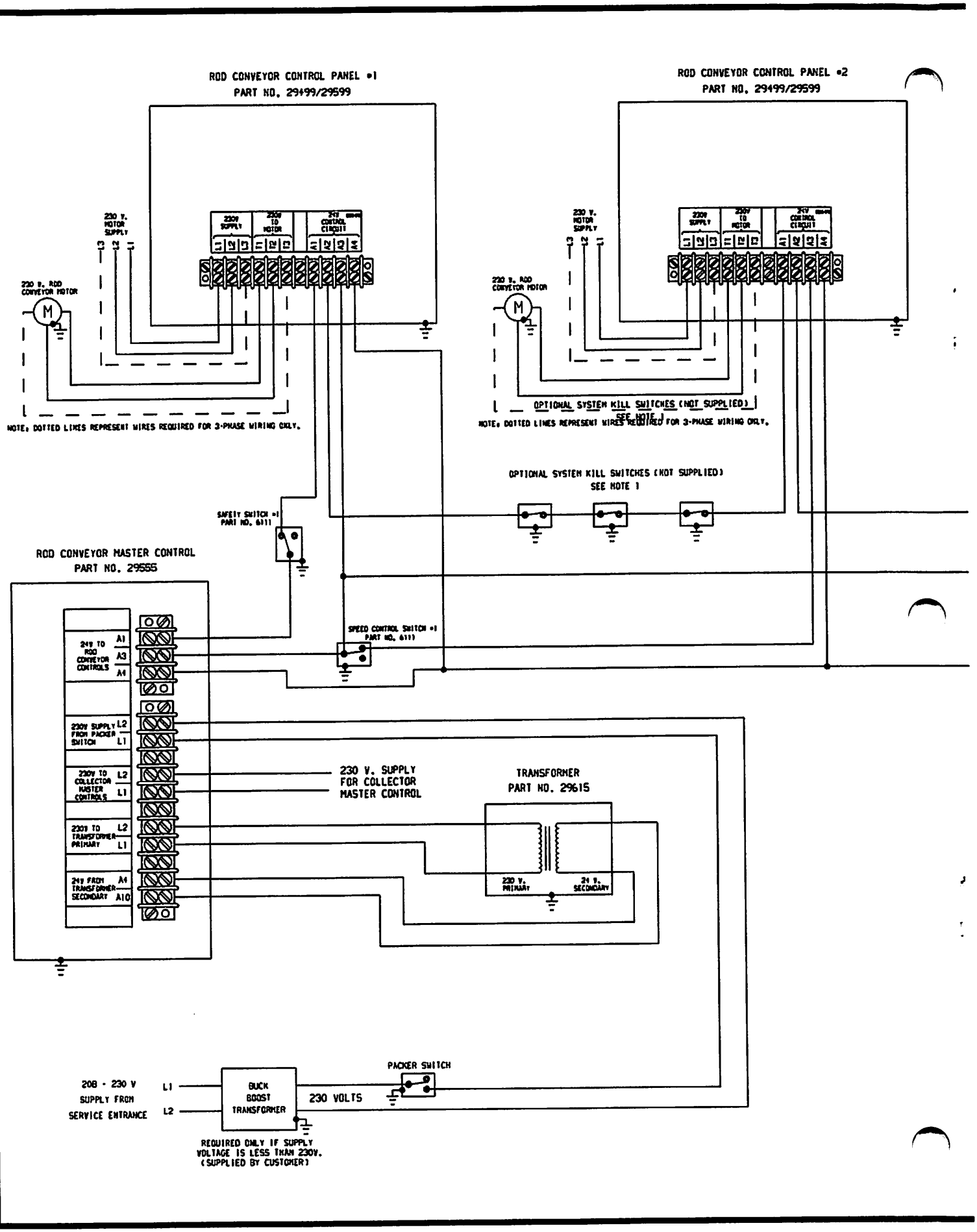


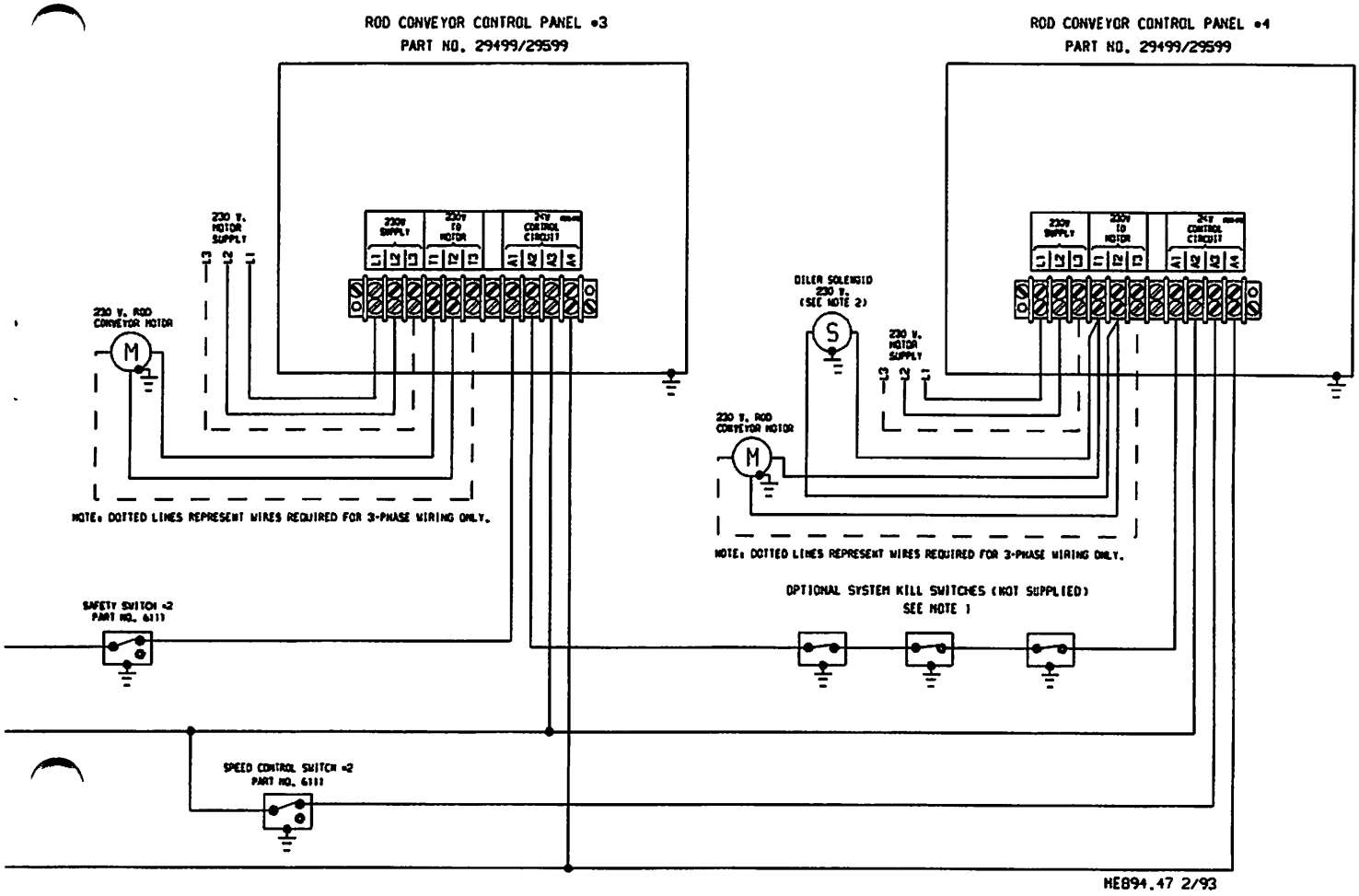
The Overload Relay is factory adjusted for 60 Hz. single or three phase applications. 50 Hz. single phase applications will require field adjusting the setting to 2.7, as shown in the diagram, below.

If a motor frequently trips the overload, it may be necessary to slightly increase the current setting on the Overload Relay.

OVERLOAD RELAY FACTORY SETTINGS

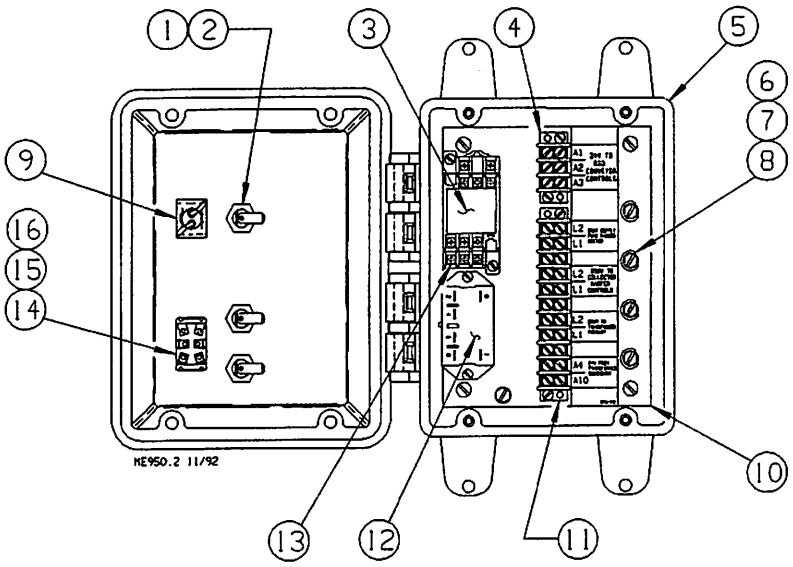



ROD CONVEYOR CONTROL PANEL #1
PART NO. 29499/29599
ROD CONVEYOR CONTROL PANEL #2
PART NO. 29499/29599
230 V. MOTOR SUPPLY
230 V. ROD CONVEYOR MOTOR
NOTE: DOTTED LINES REPRESENT WIRES REQUIRED FOR 3-PHASE WIRING ONLY.
OPTIONAL SYSTEM KILL SWITCHES (NOT SUPPLIED)
SEE NOTE 1
SAFETY SWITCH #1
PART NO. 6111
ROD CONVEYOR MASTER CONTROL
PART NO. 29555
SPEED CONTROL SWITCH #1
PART NO. 6111
230 V. SUPPLY FOR COLLECTOR MASTER CONTROL
TRANSFORMER
PART NO. 29615
230 V. PRIMARY
24 V. SECONDARY
PACKER SWITCH
208 - 230 V SUPPLY FROM SERVICE ENTRANCE
BUCK BOOST TRANSFORMER
230 VOLTS
REQUIRED ONLY IF SUPPLY VOLTAGE IS LESS THAN 230V. (SUPPLIED BY CUSTOMER)



Note: The System Kill Switches should be mounted in convenient locations, preferably near the front of the house.

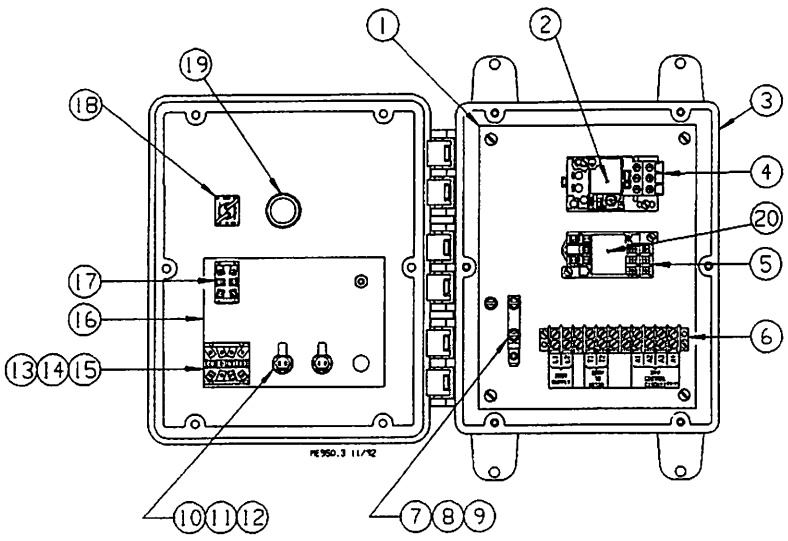
The System Kill Switches may be used to shut down the entire egg collection system in case of an emergency.



Rod Conveyor Master Control

Part No. 29555

Item	Description	Part No.
1	Fuse Holder	24431
2	Slow Blow Fuse (3 Amp)	20472
3	1/2 H.P., 240 V. Relay	29601
4	Terminal Block	26862
5	Master Control Box	29611
6	10-32 Ground Screw	.4968
7	#10 External Lockwasher	305
8	Cup Washer	.5775
9	Indicator Light	20805
10	Master Back Mount Panel	29612
11	Terminal Block	.7347
12	Relay	28904
13	Relay Socket	29602
14	Toggle Switch	.3046
15	15/32 Internal Lockwasher	.5773
16	Toggle Switch Boot	.1739



Rod Conveyor Control Panel

Part No. 29599--Single Phase
Part No. 29499--Three Phase

Item	Description	Part No.
1	Back Mount Panel	29608
2	Overload Relay	29604
3	Rod Conveyor Control Box	29609
4	Relay Terminal Block	29603
5	Relay Socket	29602
6	Terminal Block	.7347
7	#10-32 Ground Screw	.4968
8	Copper Lug	28822
9	#10 External Lockwasher	305
10	Fuse Holder	29606
11	15 Amp Fuse (for Single Phase)	8024
12	10 Amp Fuse (for Three Phase)	7350
13	Toggle Switch (3PST)	29607
14	Toggle Switch Boot	.1739
15	15/32 Internal Lockwasher	.5773
16	Grounding Plate	29614
17	Toggle Switch	.3046
18	Indicator Light (24 V)	20171
19	External Reset Mechanism.	29610
20	1/2 H.P., 240 V. Relay.	29601

Contact your nearby Chore-Time distributor or representative for additional parts and information.
Chore-Time Equipment, A Division of CTB, Inc.
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