



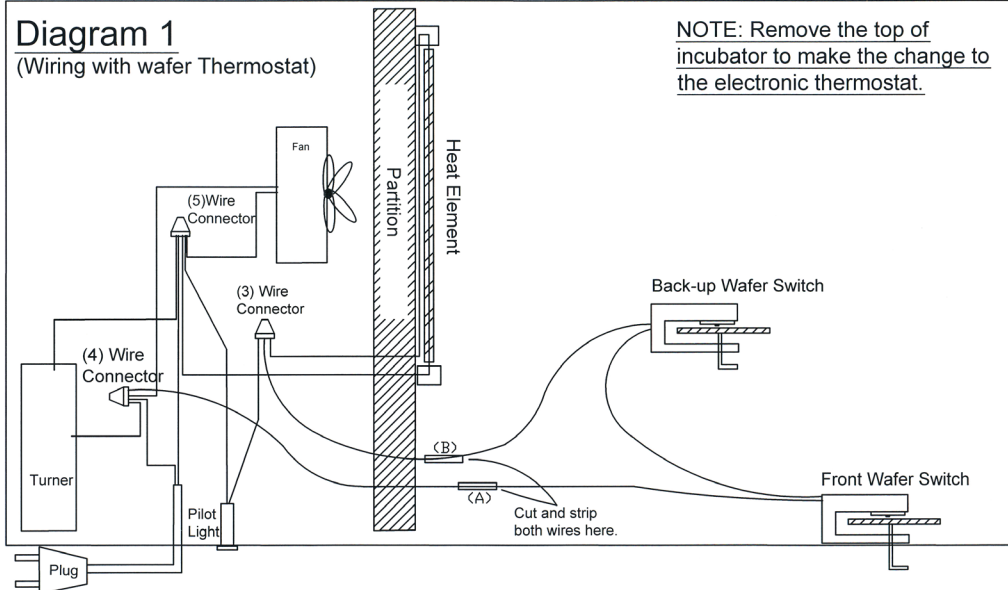
# THERMOSTAT INSTALLATION INSTRUCTIONS FOR GQF CABINET MODEL INCUBATORS

Study wiring diagrams 1, 2 and 3 (shown below) for installation of Electronic Thermostat and follow step by step instructions. **TOOLS NEEDED:**  $\frac{1}{4}$ " nut driver,  $\frac{1}{2}$ " drill bit,  $\frac{7}{8}$ " drill bit, wire cutter, wire stripper, pliers.

**NOTICE:** AFTER WARMUP, RAPID CYCLING OF THERMOSTAT ON AND OFF IS NORMAL.

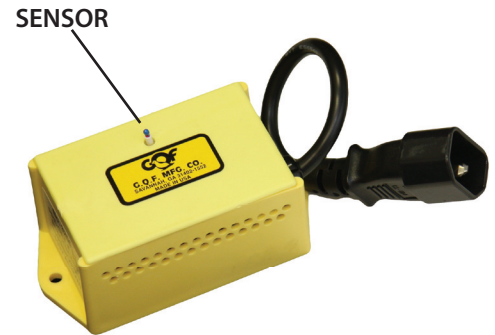
**Diagram 1**

(Wiring with wafer Thermostat)



**NOTE:** Remove the top of incubator to make the change to the electronic thermostat.

## No. 3255 Electronic Thermostat



### INSTALLATION INSTRUCTIONS:

#### 1 - UNPLUG THE POWER CORD!

2 - Remove screws from the incubator top and back and remove them

3 - Cut wires **A** and **B** and strip insulation  $\frac{5}{16}$ " from end (diagram 1).

4 - Remove all previously installed thermostats by removing screws. Your new thermostat is very reliable and secondary thermostats can cause setting errors.

5 - Drill  $\frac{1}{2}$ " hole through fan/heating element partition in the vicinity of wire **A**.

6 - "**PRESS ON CONNECTOR**" is attached to one end of wire **C** and is used to connect the Power Cord wire, **D** to wire **C** (see Diagram 2 and 3).

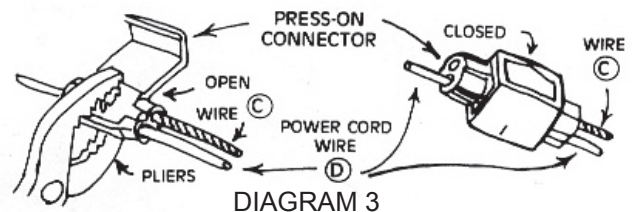
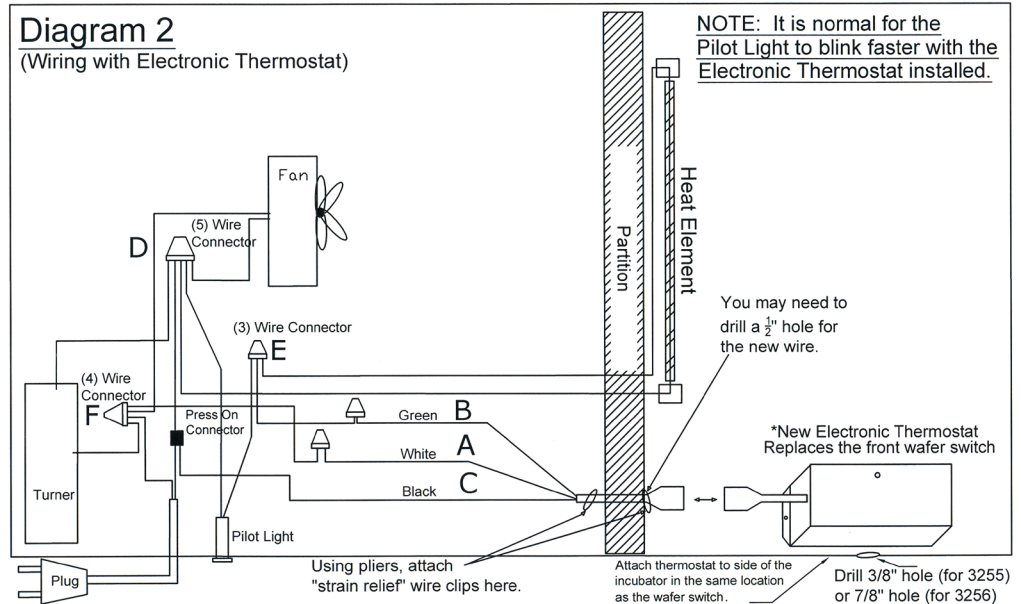
7 - The new electronic thermostat will be mounted in place of the forward wafer thermostat or in place of an older electronic thermostat. The hole where the adjusting screw (or knob shaft) of the old thermostat was located will need to be enlarged. Do this by drilling out this hole with a  $\frac{7}{8}$ " drill bit. Press the plastic hole liner into this hole from the outside. The adjusting screw hole on some older models may be too close to the top to fit so that a new larger hole will have to be drilled  $\frac{1}{2}$ " below the adjusting screw hole. Check this out first by placing the new thermostat controls over the old adjusting screw hole from the inside of the cabinet to see that the thermostat fits without touching the top.

8 - Connect wires as shown in diagram 2. Take care that the green thermostat wire connects to the heater/pilot light wires at connection **E**. The black thermostat wire must connect to the black wire (not the white wire) of the cordset at location **D**. The white thermostat wire connects at point **F** with the white wire of the cordset. **IF THERE IS ANY DOUBT ABOUT THIS PROCEDURE, THEN CONSULT A QUALIFIED ELECTRICIAN. FAILURE TO CONNECT THE WIRES PROPERLY WILL DESTROY THE THERMOSTAT!**

9 - See that wires are free of the fan then reattach the top and back of the incubator. Plug in the cord set and the heater should come on. If not, recheck electrical connections.

**Diagram 2**

(Wiring with Electronic Thermostat)



**DIAGRAM 3**

See back for #3002 instructions

## No. 3002 Relay with Wafer Thermostat

Electronic relay greatly extends the life of the thermostat switch. Recommended as replacement for older cabinet model incubators with wafer thermostat if not upgrading to the 3255 electronic thermostat.

### INSTALLATION INSTRUCTIONS:

#### 1 - UNPLUG THE POWER CORD!

2 - Remove screws from the incubator top and back and remove them

3 - Cut wires **A** and **B** and strip insulation 5/16" from end (diagram 1).

4 - Remove all previously installed thermostats by removing screws. Your new thermostat is very reliable and secondary thermostats can cause setting errors.

5 - Drill 1/2" hole through fan/heating element partition in the vicinity of wire **A**.

6 - "**PRESS ON CONNECTOR**" is attached to one end of wire **C** and is used to connect the Power Cord wire, **D** to wire **C** (see Diagram 3 and 4).

7 - Connect wires as shown in diagram 4.

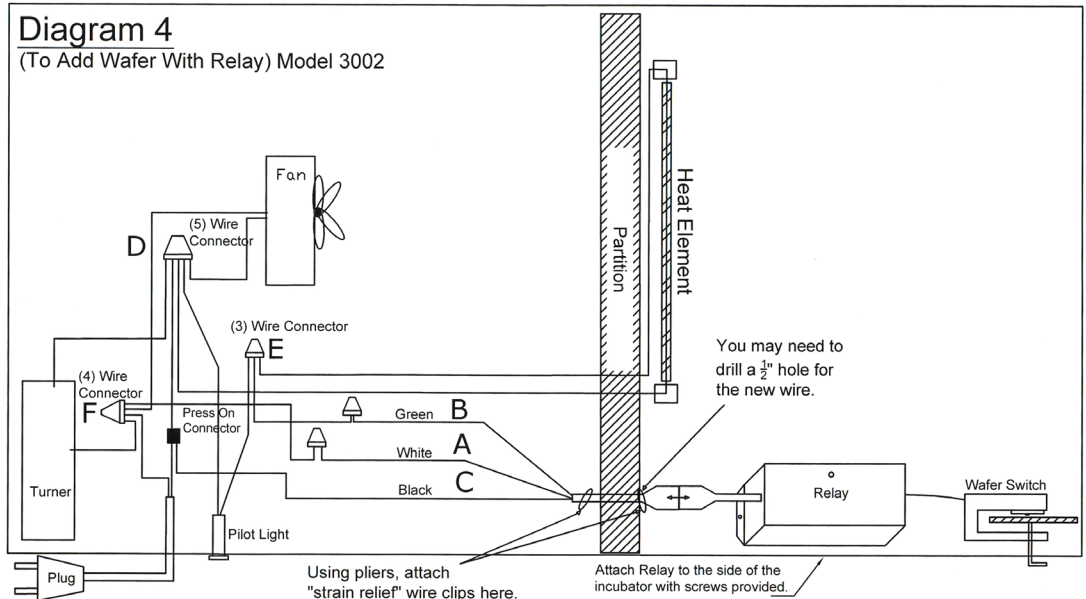
Take care that the green thermostat wire connects to the heater/pilot light wires at connection **E**. The black thermostat wire must connect to the black wire (not the white wire) of the cordset at location **D**. The white thermostat wire connects at point **F** with the white wire of the cordset. IF THERE IS ANY DOUBT ABOUT THIS PROCEEDURE, THEN CONSULT A QUALIFIED ELECTRICIAN. FAILURE TO CONNECT THE WIRES PROPERLY WILL DESTROY THE THERMOSTAT!

8 - See that wires are free of the fan then reattach the top and back of the incubator. Plug in the cord set and the heater should come on. If not, recheck electrical connections.



**Diagram 4**

(To Add Wafer With Relay) Model 3002



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