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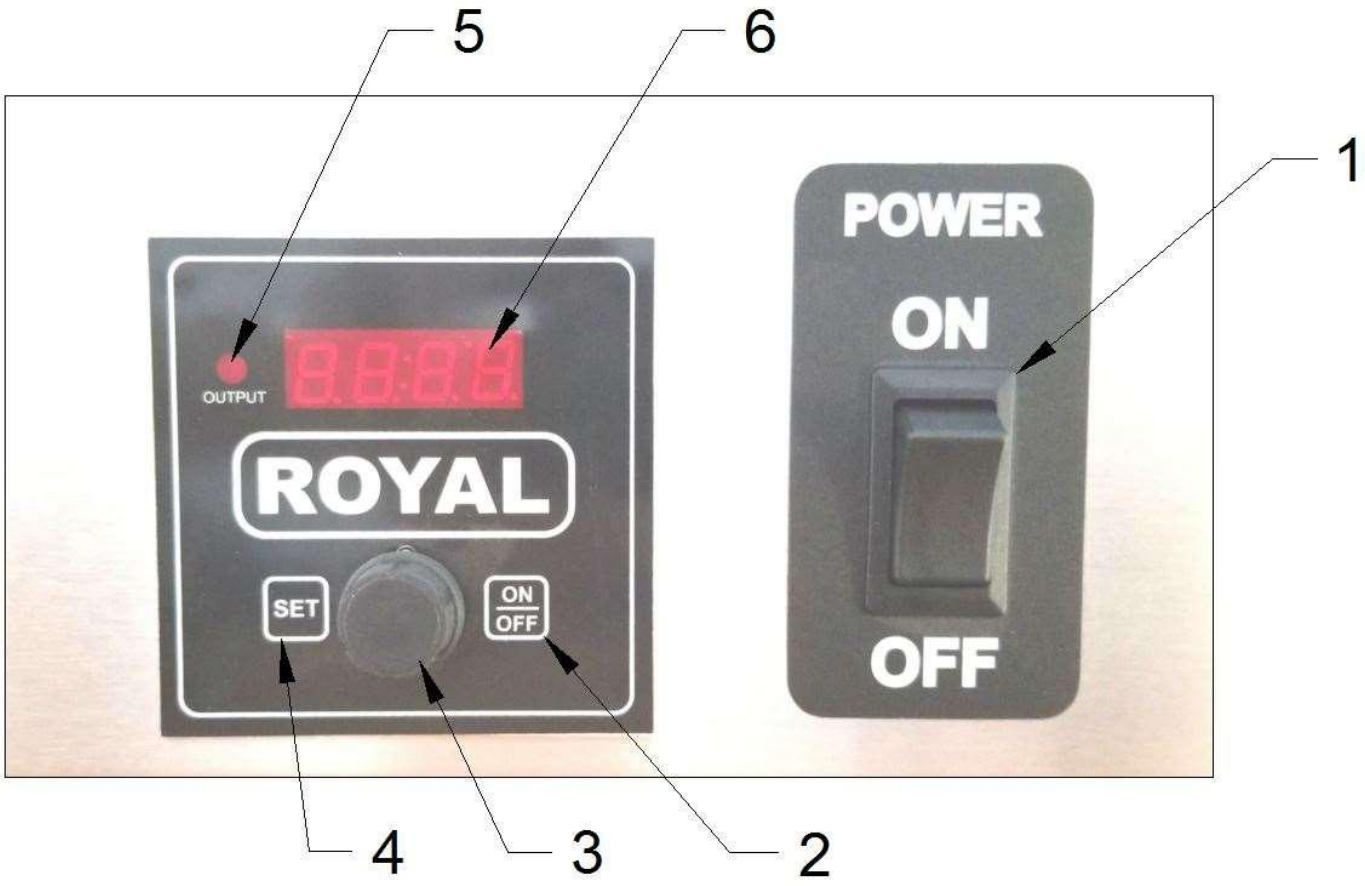
CONTROL PANEL DESCRIPTIONS



1. **POWER SWITCH**
   Main Power.

2. **ON/OFF BUTTON**
   Turns the Fryer ON and OFF.

3. **SET BUTTON**
   a. In “operating” mode - allows access to the programming mode.
   b. In “programming” mode - serves as an ACCEPT button.

4. **HEAT DEMAND LED**
   When lit bright, indicate that the Thermostat is calling for heat.

5. **THERMOSTAT CONTROL KNOB**
   a. When rotated, changes the parameter values.
   b. When pressed once, displays current set point temperature.

6. **DISPLAY**
   Displays modes, functions and operation of the computer.

**** WARNING: DO NOT START THE FRYER UNLESS SHORTENING/OIL IS AT THE LEVEL INDICATED ON THE REAR WALL OF THE FRYER. STARTING THE FRYER WITHOUT SHORTENING/OIL COMPLETELY COVERING THE HEAT TUBES WILL CAUSE HEAT STRESS AND LEAD TO POTENTIAL OIL LEAKS. ****

PREPARATION FOR USE

New units have a coating of oil on the interior of the vessel (vat). To remove this coating, a BOIL OUT procedure must be performed. See section below.

FRYER VESSEL BOIL-OUT

Boil out each new fryer. Follow the cleaning instructions on the boil out solution's label. **WARNING:** ONLY USE A COMMERCIAL GRADE "NON-CHLORINE" BOIL-OUT PRODUCT!!

BOIL-OUT PROCEDURE:

1. Ensure that Drain Lever is in the closed position. Add water into the vessel (vat) to the level mark on the rear wall.
2. Add the amount of BOIL-OUT solution per directions on its label.
3. Turn the POWER switch to ON.
4. Press ON/OFF button on Thermostat control.
5. Allow to BOIL for 10 minutes.
6. During boil-out, frequently scrub the sides, front and rear of the fryer vessel (vat).
7. After 10 minutes, turn the Thermostat control off.
8. Carefully dispose of the boil-out solution.
9. Use a scrubbing pad to remove any buildup on the heating tubes and vessel (vat) walls.
10. Rinse with hot water until the water coming out of the drain valve is clear.
11. Thoroughly wipe the sides, heat tubes and bottom of vessel (vat) with clean, lint- free dry towels to remove any remaining water.

USE OF SOLID SHORTENING

MELTING SOLID SHORTENING:

1. Fryer must be off and cool.
2. Ensure that Drain Lever is in the closed position.
3. Remove crumb screen.
4. Place small pieces of shortening into the vessel (vat) and THOROUGHLY pack them between, below and above the HEAT tubes. Fill to level mark on the rear wall.
5. Turn the POWER switch to ON.
6. Press ON/OFF button on Thermostat control ON for 10 seconds and OFF for about a minute periodically to gently heat and melt the solid shortening. If necessary continue adding solid shortening. Do not overfill the vessel.
7. Once the heat tubes are COMPLETELY covered with LIQUID to the level mark on the rear wall, place the crumb screen in the vessel (vat).

USE OF OIL

1. Fryer must be off and cool.
2. Ensure that Drain Lever is in the closed position.
3. Add oil to the level mark on the rear wall. Do not overfill the vessel.

OPERATION

LIGHTING/START:

1. Turn the POWER switch to ON.
2. Press ON/OFF button on Thermostat control, burners will come on and preheat shortening/oil to set temperature.
3. When shortening/oil reaches the set temperature, the Fryer is ready to Cook after the shortening/oil is thoroughly stirred.

** For complete **SHUT DOWN,** press "ON/OFF" button and turn the Power Switch to "OFF". **

MOMENTARY PROGRAM DISPLAYS

DISPLAY READS	DISPLAY DESCRIPTIONS
"**Op"**	Computer is in the OPERATING program mode. This feature cannot be changed.
"F C"	Computer is in the temperature DEGREE unit program mode.
"SPHi"	Computer is in the HI TEMPERATURE program mode. This is Factory set, DO NOT change.
"SPLo"	Computer is in the LOW TEMPERATURE program mode. This is Factory set, DO NOT change.
"HYS"	Computer is in the HYSTERESIS program mode. This program mode is intended for the Authorized, Qualified Service Agent. DO NOT change.
"oFS"	Computer is in the temperature OFFSET program mode. This program mode is intended for the Authorized, Qualified Service Agent. DO NOT change.
"di SP"	Computer is in the temperature DISPLAY program mode.
"Snsr"	Default cook time mode where the product is cooked at a certain temperature for a certain time.

CONTROLLER PROGRAMMING

**** NOTE:** Thermostat controller programming mode can only be accessed while the controller is idling.

COOK TEMPERATURE PROGRAMMING:

1. Temperature set point is changed one digit at a time beginning with the right most digit then the center digit and finally the left most digit.
2. Press SET, Display will read **"350°F"** and the digit currently being changed blinks on and off. Rotate the knob to change the number and press SET to move on to the next digit.
3. When Temperature set point programming is complete, the Thermostat controller will return to display the actual temperature.

FEATURE PROGRAMMING:

Feature programming allows the user to program:

a. Degrees (C or F).
b. Max. Set Point Hi. (DO NOT SET BEYOND
400°F).
c. Min. Set Point
Lo.
d. Hysteresis (3 degrees recommended)
e. Sensor Offset. (Do not change)
f. Actual or Set point temperature display at all times.

HOW TO PROGRAM FEATURE:

1. Turn the POWER switch to ON.
2. Press ON/OFF button on Thermostat control.
3. Press the following button sequence: **SET, ON/OFF, KNOB, KNOB, SET.** Display will read **"Op"** momentarily and then read **"Op3".** This parameter cannot be changed.
4. Press SET. Display will read **"F C"** momentarily and then read **"F"**. Press SET to accept the default (Fahrenheit) or rotate the knob to change temperature unit.
5. Press SET. Display will read **"SPHi"** momentarily and then read **"400°F"**. Do not change this setting higher to avoid flash point.
6. Press SET. Display will read **"SPLo"** momentarily and then read **"150°F"**. Do not change this setting.
7. Press SET. Display will read **"HYS"** momentarily and then read **"003°F"**. Recommended setting for best cook results.
8. Press SET. Display will read **"oFS"** momentarily and then read **"000°F**. This setting will only be changed by a Service Technician if required.
9. Press SET. Display will read **"di SP"** momentarily and then read **"ACT"**. Press set to accept the default of Actual temperature being displayed at all times or rotate the knob to change to Set Point Temperature.
10. Press SET. Display will read **"Snsr"** momentarily and then read **"tC 1**. This parameter cannot be changed.
11. Press SET. You have finished the FEATURE programming.

**** NOTE:** A "programming timeout" will occur if no buttons are pressed for 10 seconds and the controller will return to normal operation.