

# Dexter Safety Guidelines



## WARNING

**These dryers are equipped with devices and features relating to their safe operation. To avoid injury or electrical shock, do not perform and service, unless qualified to do so.**

**For your safety, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or loss of life.**

### IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch: do not use any telephone in your building.
- Clear the room, building or area of all occupants.
- Immediately call your gas supplier from a neighbor's telephone.
- Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

**Dry only fabrics washed in water to avoid the risk of fire, including spontaneous combustions, do not dry:**

- **Items containing foam rubber, or any similarly textured rubber-like materials.**
- **Any items on which you have used a cleaning solvent or which contain flammable liquids or solids, such as naphtha, gasoline, or other oils or waxes.**

# Table of Contents

## Common Dryer Troubleshooting Issues & Solutions

|   |   |
|---|---|
| Tumbler does not turn.....                    | 2 |
| Tumbler turns but no spark at burner.....     | 3 |
| Tumbler turns, ignition sparks, no flame..... | 4 |
| Burner lights, but goes on and off.....       | 4 |
| Slow drying .....                             | 4 |
| Erractic display .....                        | 5 |
| Manual overtemp tripping frequently.....      | 5 |

## Troubleshooting Dryer Fault Errors/ Codes

|                         |   |
|-------------------------|---|
| TEMP SENSOR SHORT ..... | 6 |
| TEMP SENSOR OPEN.....   | 6 |
| PCB ERROR 1.....        | 6 |
| PCB ERROR 2 .....       | 6 |
| COMM ERROR 1.....       | 6 |
| COMM ERROR 2.....       | 6 |
| F1 .....                | 6 |
| F2.....                 | 6 |
| F3 .....                | 6 |

# DRYER TROUBLESHOOTING

| Symptom                               | Probable Cause                     | Suggested Remedy   |
|---------------------------------------|------------------------------------|--|
| <a href="#">Tumbler does not turn</a> | <a href="#">Drive belts</a>        | Check both drive belts. Replace if failed.   |
|                                       | <a href="#">Drive motor</a>        | Check capacitor and motor. Replace if failed   |
|                                       | <a href="#">Door switch</a>        | Check for door closed L.E.D on control board. Check door switch contacts and adjustment. Adjust or replace door switch.  |
|                                       | <a href="#">Electronic control</a> | Is electronic control closing motor relay to power drive motor? Check for motor light on electronic control. If no light and time counting down, change control. If light is on, check for proper voltage and wiring to motor relay in rear control compartment. |
|                                       | <a href="#">Motor run relay</a>    | Test for proper voltage to run relay coil, Test output voltage of relay when contacts ingauged. if no voltage replace relay.   |

| Symptom  | Probable Cause                     | Suggested Remedy   |
|--|------------------------------------|--|
| <a href="#">Tumbler turns but no spark at burner</a> | <a href="#">Glass fuse</a>         | Check small glass control fuse in back of dryer. Replace if failed.  |
|  | <a href="#">Temperature sensor</a> | The temperature sensor should have between 30,000 ohms and 60,000 ohms resistance at room temperature if okay. Replace if not in this range.   |
|  | <a href="#">Ignition</a>           | Check for 24VAC output from transformer.   |
|  | <a href="#">Transformer</a>        | Replace if have 120V between black & white and no 24V between red and yellow.  |
|  | <a href="#">Over temperature</a>   | Check to see if manually resettable thermostat. Thermostat is kicked out. Reset by pushing red reset button.   |
|  | <a href="#">Ignition control</a>   | Check for 24VAC coming into the control on the at burner red wire. If voltage, then check for 24VAC out on the brown wire. Also check for spark at the ignitor. If no 24VAC output or no spark to the ignitor, replace ignition control.   |
|  | <a href="#">Airflow switch</a>     | Check air flow switch to be sure it closes when dryer is running. If not, adjust or replace switch.  |
|  | <a href="#">Hi-limit</a>           | Check for continuity. Should be 0 ohms resistance when cold. If not, replace thermostat.   |
|  | <a href="#">Gas supply</a>         | No gas can cause system lockout  |
|  | <a href="#">Electronic control</a> | Is electronic control closing gas relay to power Control heat circuit? Check for gas light on electronic control. If no light change control. If light is on, check voltage and components in heat circuit at transformer at rear of unit. |

| Symptom   | Probable Cause                                 | Suggested Remedy   |
|---|--|--|
| <a href="#">Tumbler turns, ignition sparks, no lame</a> | <a href="#">Gas supply</a>                     | Make sure gas supply is working.   |
|   | <a href="#">Gas pressure</a>                   | Make manometer check of gas pressure. Adjust if necessary.   |
|   | <a href="#">Spark electrode sensor</a>         | Check for damage to electrode or mounting. Replace if necessary.   |
|   | <a href="#">Gas valve</a>                      | Check coil continuity, replace valve if failed.  |
|   | <a href="#">Ignition Control</a>               | Check for 24VAC to gas valve coils. If no voltage replace ignition control.  |
| <a href="#">Burner Lights, but goes on and off</a>      | <a href="#">Electrodes</a>                     | Check low voltage harness for possible wire break or cuts to allow no signal back to ignition control  |
| <a href="#">Slow drying</a>                             | Temperature Setting                            | Check program for correct high temperature setting. Adjust if necessary.   |
|   | <a href="#">Airflow restrictions necessary</a> | <ol style="list-style-type: none"> <li>1. Check lint screen and clean if necessary.</li> <li>2. Check exhaust for correct length and clean if necessary.</li> <li>3. Check exhaust damper to insure that it opens when dryer is running and closes when dryer is not in use.</li> <li>4. Check makeup air to insure that it is adequate. Increase makeup air if necessary.</li> <li>5. Check static Back pressure no more than .3</li> </ol> |
|   | <a href="#">Temperature sensor</a>             | The temperature sensor should have between 30,000 ohms and 60,000 ohms resistance at room temperature if okay. Replace if not in this range.   |

| <b>Symptom</b>                      | <b>Probable Cause</b>                               | <b>Suggested Remedy</b>  |
|-------------------------------------|---|--|
| Erratic display                     | Initial start-up                                    | If erratic on initial start-up, leave power on for approximately one hour and check machine operation again.   |
|                                     | Grounding   | Machine must be grounded by separate conductor back to neutral bar in breaker box.   |
|                                     | Program   | Check program and make corrections if necessary.   |
|                                     | Voltage spike                                       | Power down machine for 20 seconds and repower. If no improvement, replace control.   |
| Manual overtemp tripping frequently | Recirculating chamber Lint accumulation             | Remove manual overtemp thermostat and inspect in chamber for excessive lint build up. Access also gained to this chamber by removing recirculation duct mounted at bottom of chamber, or the panel inside burner chamber between burners and rear back panel |
|                                     | Exhaust ducting<br>Excessive lint buildup           | Remove exhaust duct at rear of dryer and inspect for excessive lint build up in complete duct from dryer to where duct exits building.   |
|                                     | Clean lint of of top heat air chamber above tumbler | Remove front panel completely. Be careful of any wiring attached. Remove heated air chamber cover and clean above tumbler back to burner housing.  |

# Dryer Error Codes

| Symptom   | Probable Cause                      | Suggested Remedy  |
|---|-------------------------------------|---|
| <a href="#">TEMP SENSOR SHORT</a><br><br><a href="#">F1</a> | Shorted Temperature Sensor or wire. | The dryer control shall not start until the detected short circuit is removed. Regardless of condition of short circuit, Error Code will be displayed until programming button is pressed to return machine to idle mode. |
| <a href="#">TEMP SENSOR OPEN</a><br><br><a href="#">F2</a>  | Open Temperature Sensor or wire     | The dryer control shall not start until the detected short circuit is removed. Regardless of condition of short circuit, Error Code will be displayed until programming button is pressed to return machine to idle mode. |
| <a href="#">PCB ERROR1</a><br><br><a href="#">F3</a>        | Memory corrupted                    | Power machine down and try to reset control. Verify voltage to the control board. Check ground to board. Replace control board if error can not be cleared  |
| PCB ERROR2  | Analog/ Digital Error               | Power machine down and try to reset control. Verify voltage to the control board. Check ground to board. Replace control board if error can not be cleared  |
| COMM ERROR1   | Communication Bus Error             | Power machine down and try to reset control. Verify voltage to the control board. Check ground to board. Replace control board if error can not be cleared  |
| COMM ERROR2   | No Dryer Model selected             | This error occurs when a pin combination on the model selection header is used that does not have a model designated for it. check connector marked Jumpers on the control board.   |