

E3 error code

An E3 error on your processor's display indicates the dryer grill sensor is shorted. To check the sensor use a multimeter.

You do not need to remove the sensors from your processor when measuring the resistances. Simply disconnect the sensors from the control board and the AC Power Board to make your measurement.

To get to the dryer grill sensor, power the processor off and then remove the phillips screw located just above the AC plug in the back of the processor. Lift the blue lid and carefully lay it on the white lid, out of the way. There are wires attached to the bottom of the blue lid so don't pull it up too fast when removing the lid. Remove the side panel next. If you don't know how to remove the side panel I suggest you watch the short video on our website that shows how to remove a side panel.

Once the side panel is removed locate the dryer grill sensor's Molex plug connected to the control board. The Molex plug is connected on the bottom of the control board to the far right. It has two white wires going into the Molex plug and a black sleeve covering the white wires. Remove the Molex plug and grab your multimeter.

Select the **OHMS** setting on your meter. A typically good sensor will indicate between 48k ohms and 54k ohms. A shorted sensor will indicate **0.0** on your meter's display.

When checking the sensor it is a good idea to check it when the sensor is at room temperature and has been at room temperature for a few minutes to ensure the sensor is stable.

Refer to the picture below as to where the meter leads should be connected to the sensor.

Note: The MK6 dryer grill sensor is shown below.

The MK5 dryer grill sensor is a bit different from the MK6 dryer grill sensor. Both should have the same resistance as far as the E3 error is concerned. The MK6 dryer grill sensor has an extra sensor attached to it that really has nothing to do with an E3 error. Let me explain the differences.

The MK5 Intra-X and Xtender dryer grill is made of black plastic and has one sensor attached to the grill. When the resistance of the two white wires are measured with an ohmmeter you should see between 48k ohms and 54k ohms normally.

The MK6 Intra-X and Xtender dryer grill is made of metal and has two sensors attached to the grill. Each sensor has two white wires. One set of white wires has a black sleeve around the wires. The other set of white wires does not have a sleeve around the wires. The wires in the black sleeve are the wires associated with the E3 error. When the resistance is checked on the two white wires in the black sleeve you should see 48k ohms to 54k ohms normally.

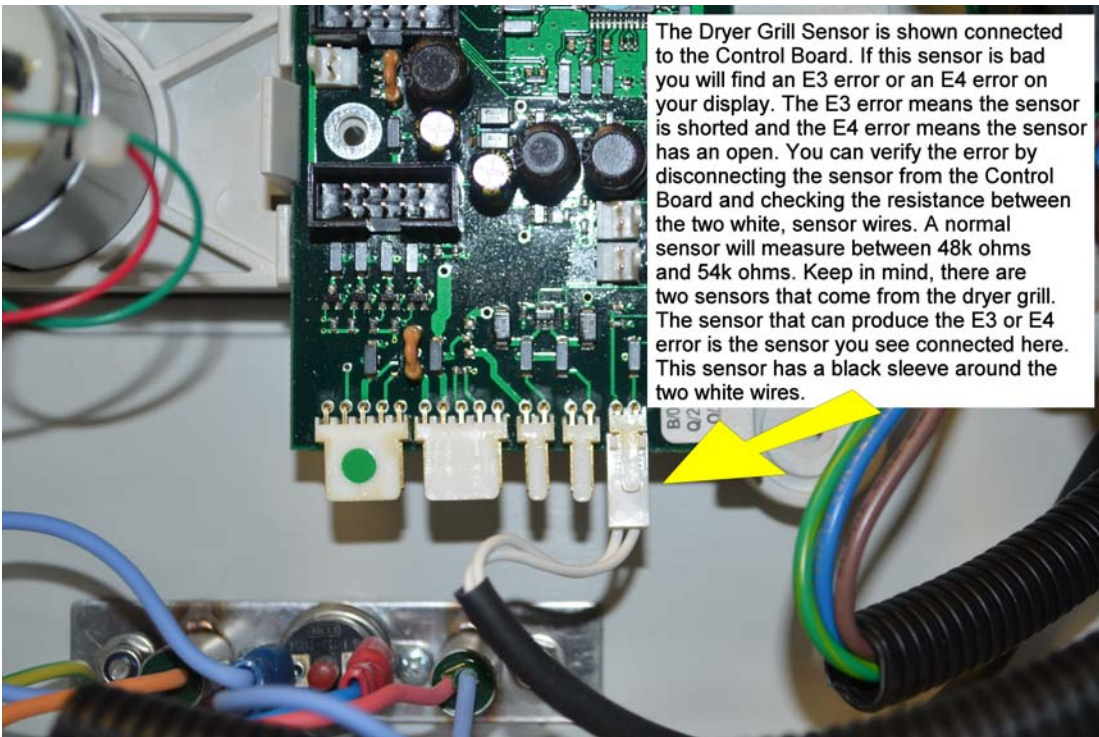
The remaining two white wires without a sleeve when measured should indicate 60 ohms to 600 ohms. This is a wide range, but that is the norm for this sensor. This sensor is a trip. If it is disconnected from the processor there will be no dryer heat.



E3 error sensor



Trip sensor



The Dryer Grill Sensor is shown connected to the Control Board. If this sensor is bad you will find an E3 error or an E4 error on your display. The E3 error means the sensor is shorted and the E4 error means the sensor has an open. You can verify the error by disconnecting the sensor from the Control Board and checking the resistance between the two white, sensor wires. A normal sensor will measure between 48k ohms and 54k ohms. Keep in mind, there are two sensors that come from the dryer grill. The sensor that can produce the E3 or E4 error is the sensor you see connected here. This sensor has a black sleeve around the two white wires.

