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“ActiveHeat “
SENSOR
IN
“MAXIFLOW”
COOKER HOODS

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1 Purpose of this manual

The purpose of this publication is to provide Service Engineers, who already have the basic knowledge necessary to repair household cooker hoods, with technical information regarding the new sensor used.

It has been introduced in the “New Collection” range of cooker hoods called “MaxiFlow”. The sensor removes all the cooking odours from the kitchen quietly and effectively.

The new electronic slider offers instant access and precise setting of the extraction level at one touch; LED lights provide excellent visibility during the entire cooking process.

The “MaxiFlow” technology uses three-phase motors for extreme silence, higher efficiency of the extraction process and lower energy consumption.

With the “ActiveHeat” Sensor, the hood doesn’t work louder or harder than it has to. Nor does the speed have to be adjusted. Instead, electronic sensors adjust the speed automatically depending on the amount of fumes being generated.

As regards the electric/electronic diagrams for a specific model please refer to spare parts list.

2 Precautions

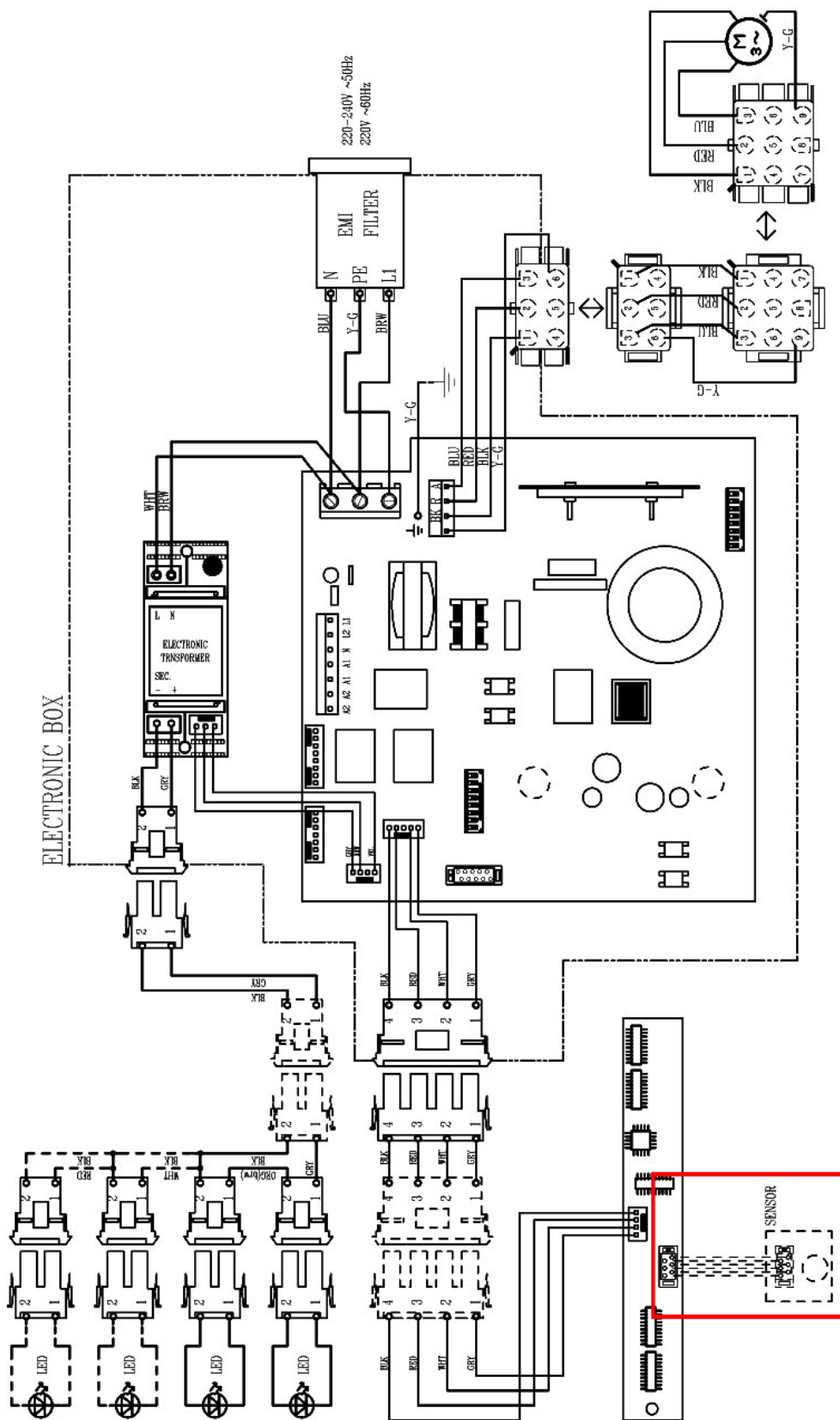


- **Electrical appliances must be serviced only by qualified Service Engineers.**
- **Always remove the plug from the power socket before touching internal components.**

About ESD prevention, please refer to the Service Bulletin n° 599730858 available through the website.

3 Electrical diagram

The following is an example of electrical connections in a cooker hoods where is used the sensor.



4 Functioning defects' solutions of the sensor while turning on:

1. Check the correct setting of the hob type; turn off the hood and hold down the sensor button for 8 seconds: in case of 4 led flashes the electric hob mode has been selected, while in case of 2 led flashes the gas hob mode has been selected.
2. Remove the power supply from the hood for 10 seconds, then connect the hood again and perform the calibration (the gas hob calibration takes about 1minute, while the electric hob calibration takes 13 minutes). During the calibration the hood does not have to get in touch with odours and cooking fumes.
3. In case of gas hob, the sensor functioning can be checked by switching the burner (possibly the most powerful one). The sensor is particularly sensitive to the smell of gas; therefore, as soon as the hob is turned on, the hood starts working and remains active for short time and then switches off.
4. This feature is evident also on the central double ring burner even without cooking fumes; the hood starts functioning and goes on steadily working at the 3rd -4th speed, showing a particular sensitivity to the combustion gas. The same can be noted also in case of highly powerful burners. The increase or, vice versa, the decrease of the hood's working speeds depends on the presence of cooking fumes.
5. In case of electric hob, the right functioning of the sensor can be checked by using some alcohol: the sensor is particularly sensitive to this substance; spraying some alcohol under the hood (not directly on the sensor), the sensor starts functioning. Pay attention not to spray alcohol directly on the hood. The sensor normally starts functioning within about 15 minutes, when a pot of boiling water is put on the most powerful rear burner.
6. If, during the previously described tests, the sensor started to function, the delay or a possible starting failure of the hood can depend on the used burner type (see following point).
7. The sensor can react in different ways depending on the used burners. For example, if the burners placed at a certain distance from the hood are used, the sensor's detection is lower and the speed gained by the hood could not meet the real exhausting needs of cooking fumes. When the rear burners are used, the hood shows a greater sensitivity.

5 Sensor's standard functioning:

1. During a normal cooking performance, the hood works steadily: speeds can remain the same or alternate between the 3rd and the 4th (in case of highly fat cooking with more odours and fumes); the single speeds' duration depends on the intensity of the cooking odours; during a steady cooking performance, when fumes are not excessive, the hood can automatically work at lower speeds.
2. The hood working in "Sensor" mode does not normally perform sudden speed's changes (speeds do not continuously and suddenly change from the 1st to the 4th, and vice versa, in a few seconds).
3. From the moment you turn off the cooker, the hood gradually reduces the working speed until it stalls (Sensor speed). Each speed is generally maintained for about 1minute. If the room is saturated with cooking fumes, the stalling time can be longer.
4. Moving from one speed to another is always gradual; during the range between the 1st to the 4th speed, the hood works both at the 2nd and at the 3rd speed and vice versa (even if for a short time).

6 Functioning defects' solutions of the sensor while turning off:

6.1 In "Sensor" mode

1. If the room is saturated during the cooking, the hood can turn on by itself. If the room is not saturated with cooking fumes, but the hood automatically turns on, then the sensor's housing box may be dirty and can be simply cleaned (externally).

2. In order to clean the sensor's housing box, you can simply remove the lower panels. The sensor can be easily seen; it is only necessary to clean the box with some paper or a damp towel. Do not directly use or spray detergents or cleaning silicone, alcohol or other substances (see photo below).
3. If, after cleaning the box, the hood keeps on turning anomalously on, then it is necessary to call for the service.