



IFS Ltd t/a Intelligent Hand Dryers UK

www.intelligenthanddryers.com

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Junior hand dryer

Safety regulations

All installation, maintenance and repair tasks must be carried out by qualified technicians.

Mediclinics remembers the importance of:

1. Becoming familiar with the equipment and carefully reading the user manual prior to operating.
2. Disconnecting power prior to beginning any repair or maintenance action.
3. Exercising care in accordance with the procedures included herein.

General maintenance

Preventive Maintenance - Cleaning

Inspect the units **annually or quarterly**, depending on the dryer's operating cycles.

Clean the active parts of the unit, such as: the motor, the heating element, the fan and the electronic circuit board with a soft brush. In automatic versions, clean the infrared sensor with a cloth dampened with alcohol.

Maintain the air inlet and outlet free of dust and other obstructions; use a soft flat ended brush.

Removal of the casing

Consult the safety regulations prior to carrying out any work on the unit.

Release the screws that attach the casing (4 units) with a Phillips-head screwdriver.



Remove the casing from the base.

To avoid scratching the casing, place it on a flat surface with the visible part facing upward.



Motor

Characteristics

- Type: Induction
- Power: 140 W
- Speed of rotation: 2,800 rpm
- Class F

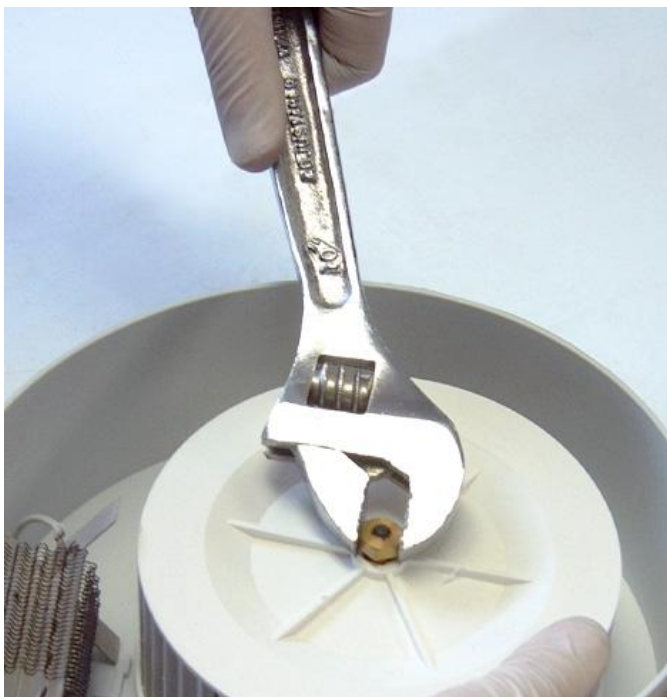
Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-annual basis, depending on the dryer's operating cycles.

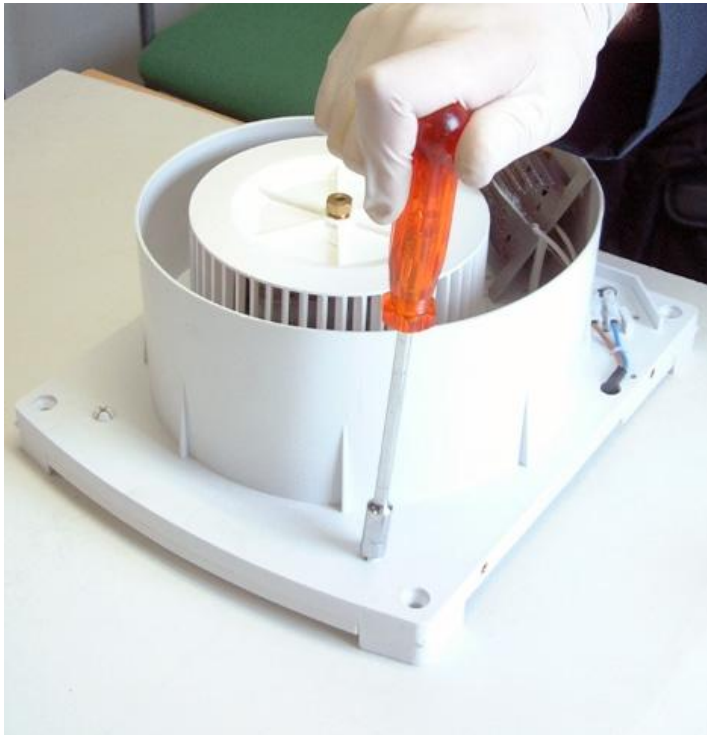
Replacement of the motor

Automatic version

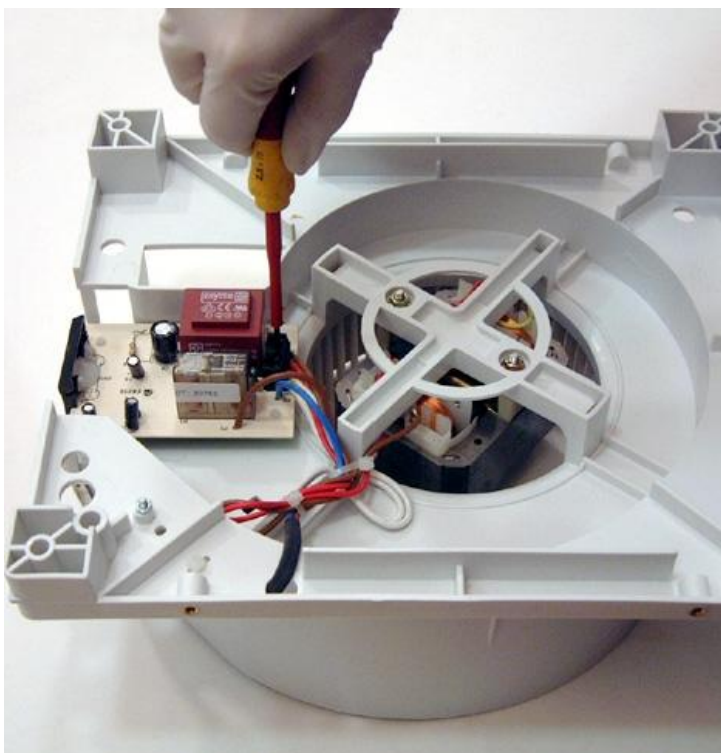
Loosen the nut that secures the fan to the drive shaft.



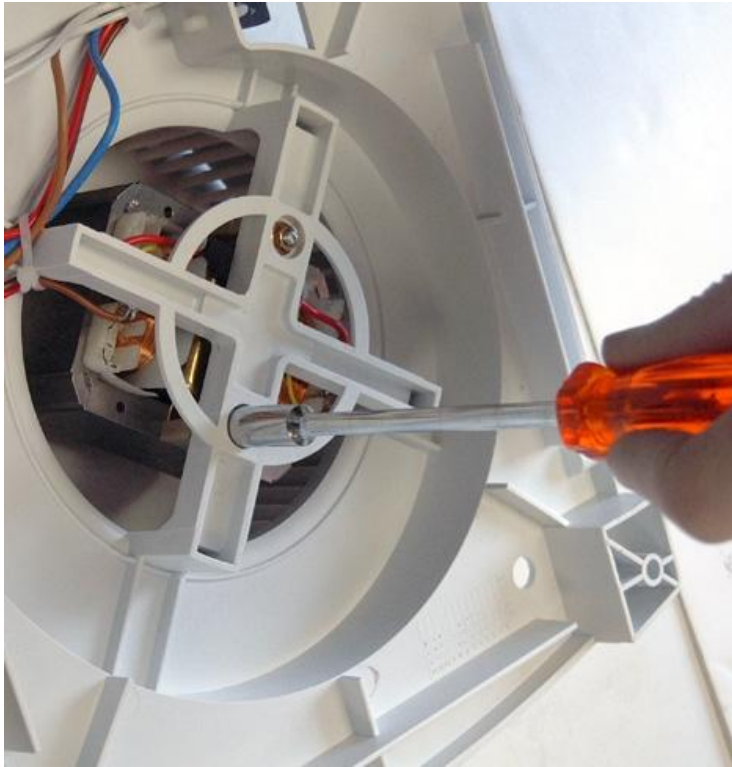
Using an 8 mm hexagonal spanner, separate the base from the rear cover by applying a slight pressure on the four clips.



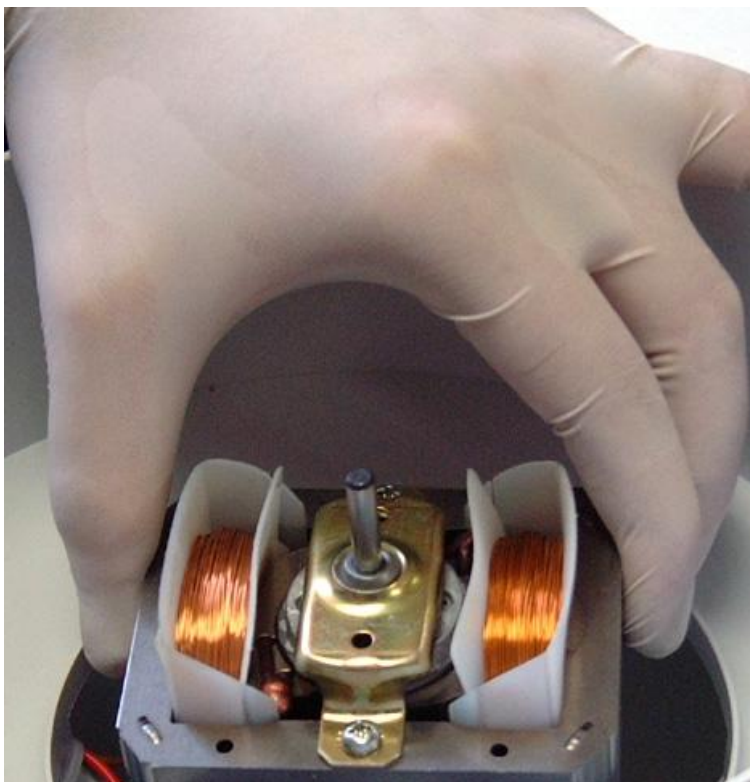
Disconnect the two cables from the motor (red and brown) that go to the terminal block of the electronic circuit board.



With a 7 mm hexagonal spanner loosen the screws located at the crosspiece of the base.

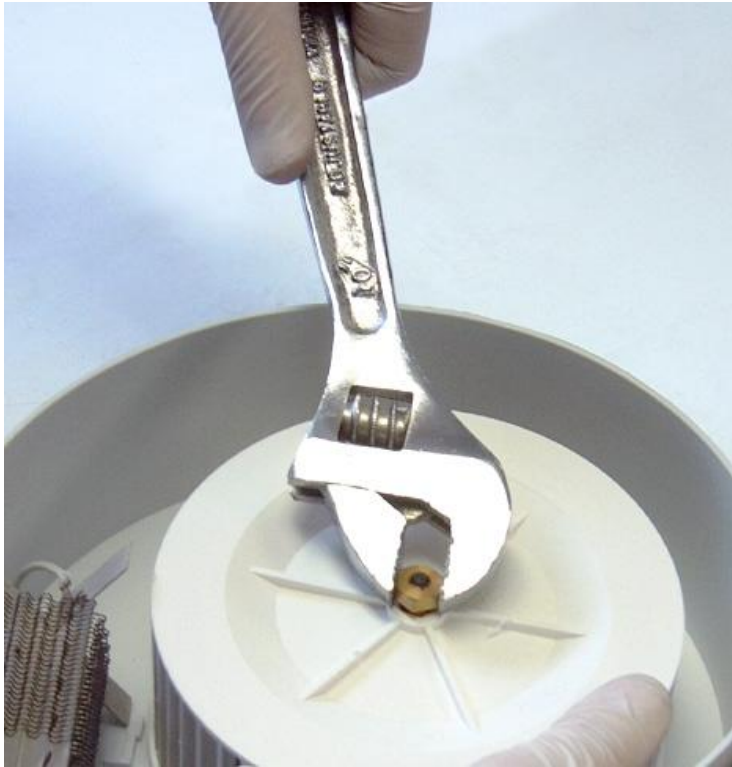


Remove the motor from its location and replace it. Fit it by following the previous steps in reverse order.



Push-button version

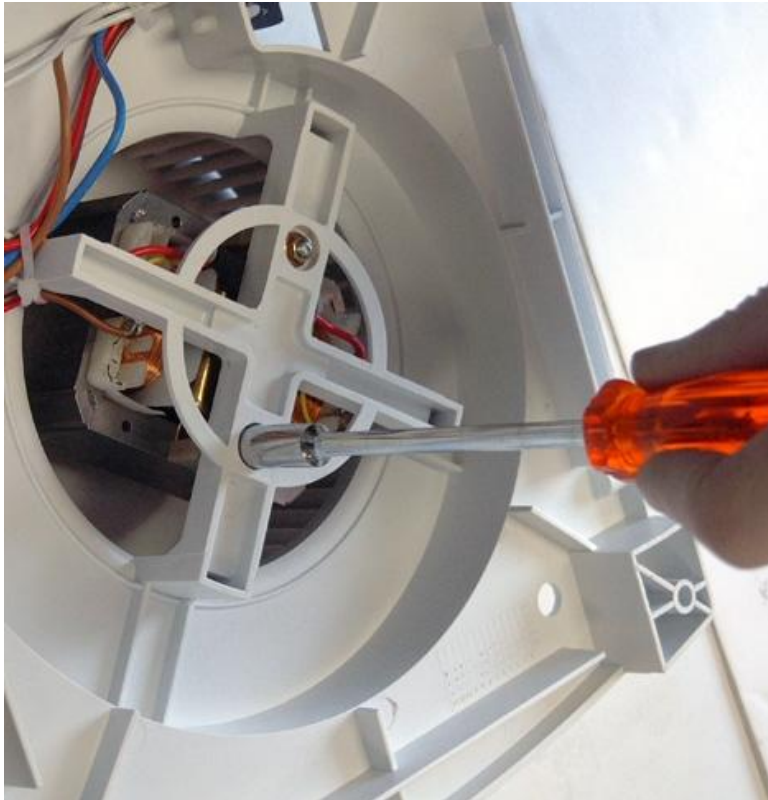
Loosen the nut that secures the fan to the drive shaft.



Using an 8 mm hexagonal spanner, separate the base from the rear cover by applying a slight pressure on the four clips.



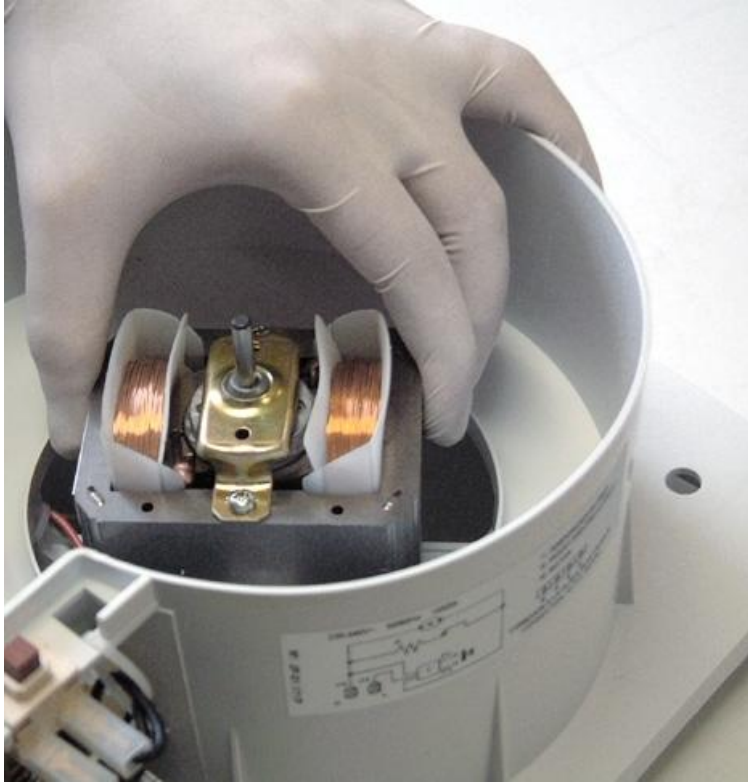
With a 7 mm hexagonal spanner loosen the screws located on the crosspiece of the base.



Disconnect the two cables from the motor (red and brown) that go to the terminal block of the timer.



Remove the motor from its position and replace it. Fit it by following the previous steps in reverse order.



Heating element

Characteristics

- Heating element 1,500 W
- Coiled NiCr heating element
- On MICA body
- Includes a thermal limiter

Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-monthly basis, depending on the dryer's operating cycles.

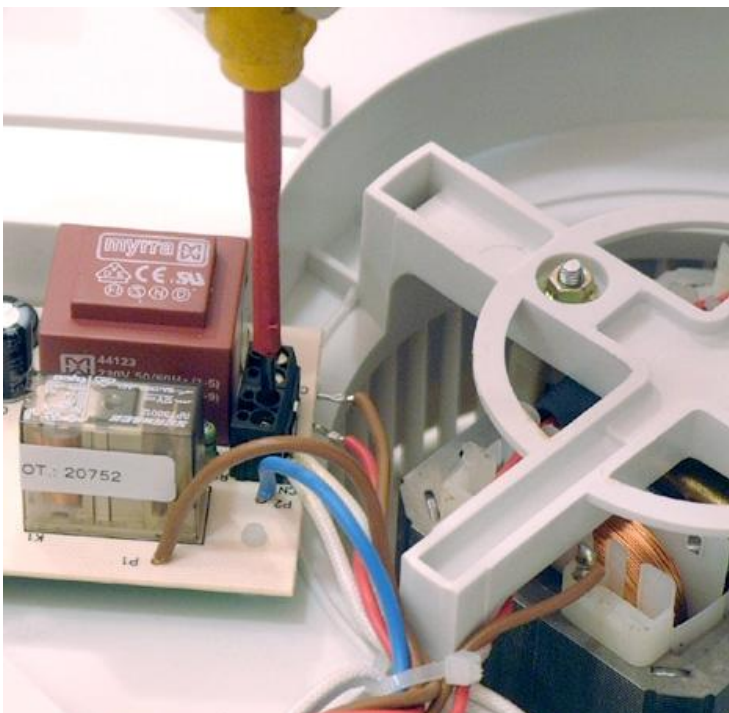
Replacement of the heating element

Automatic version

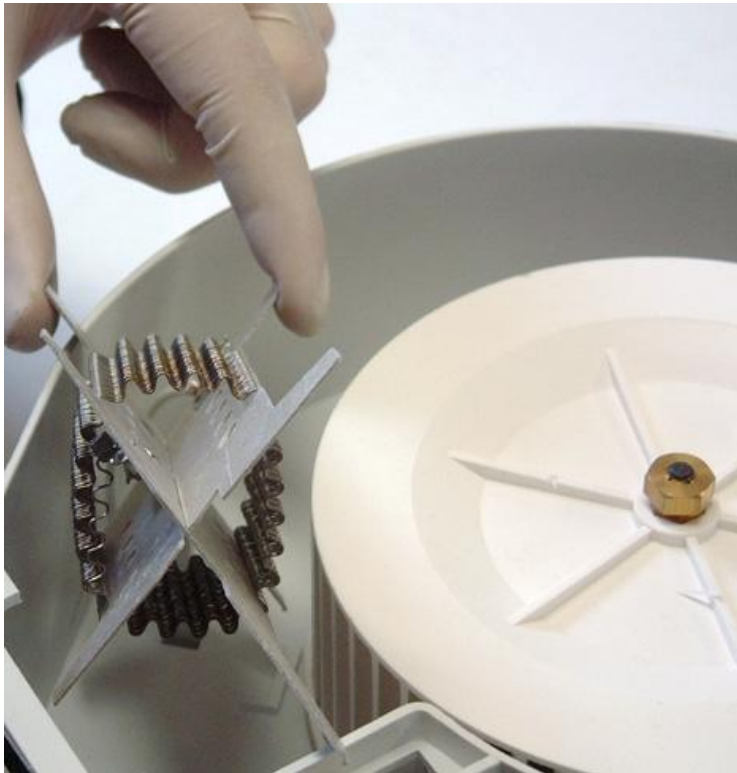
Using an 8 mm hexagonal spanner, separate the base from the rear cover by applying a slight pressure on the four clips.



Disconnect the two cables from the heating element (white) that go to the terminal block of the electronic circuit board.



Remove the heating element from its location by bending the fastening clip and replace it.
Fit it by following the previous steps in reverse order.

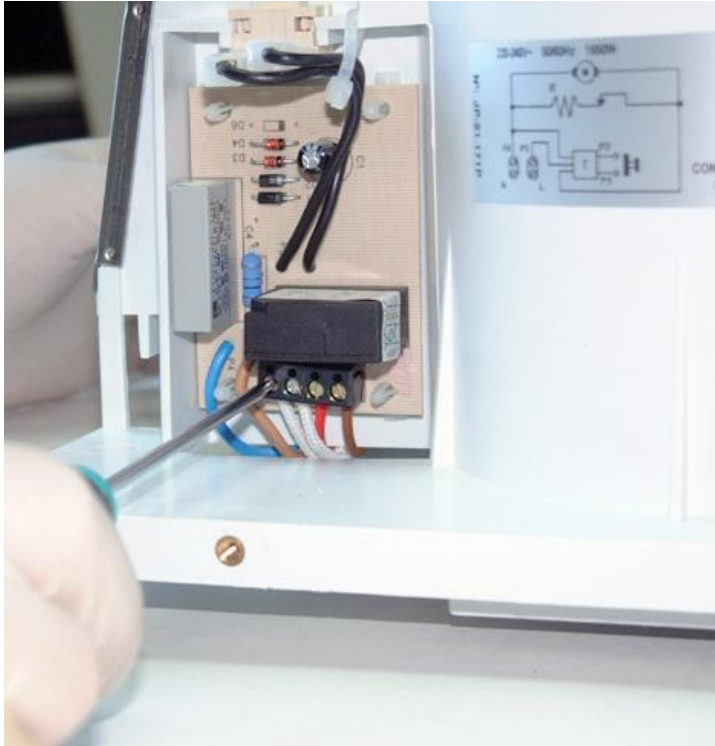


Push-button version

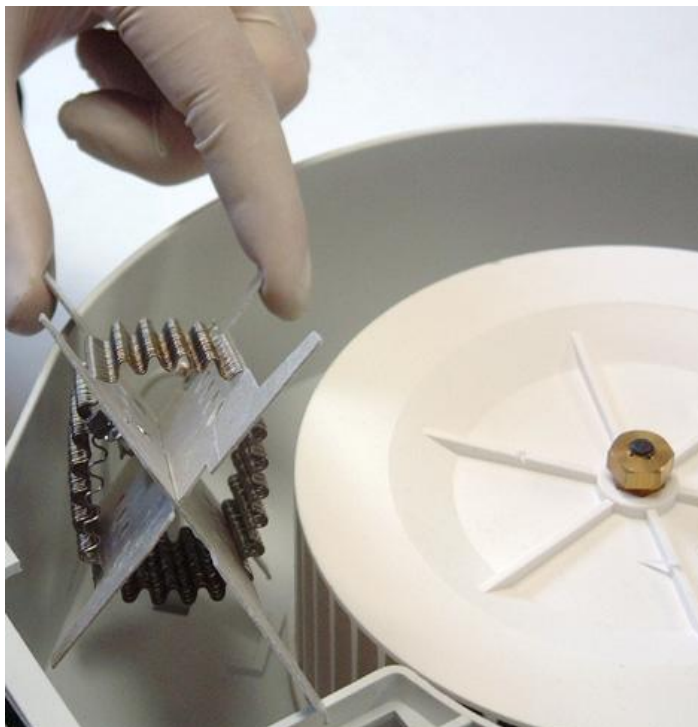
Using an 8 mm hexagonal spanner, separate the base from the rear cover by applying a slight pressure on the four clips.



Disconnect the two cables from the heating element (white), which are located in the terminal block of the timer.



Remove the heating element from its location by bending the fastening clip and replace it. Fit it by following the previous steps in reverse order.



Electronic circuit board/timer

Automatic version

Characteristics

- Electronic sensor, with infrared beam.
- Detection distance adjustable to 15 and 25 cm. Adjustable sensitivity using a jumper. See the section on setting the detection distance.

Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-annual basis, depending on the dryer's operating cycles.

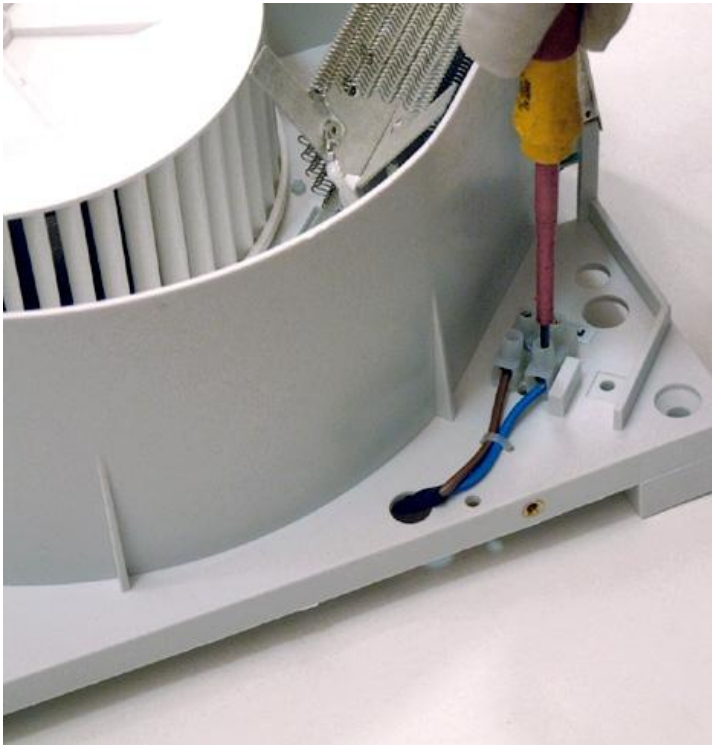
Additionally you should regularly clean the LEDs with a cloth dampened with alcohol.

Replacement of the electronic circuit board

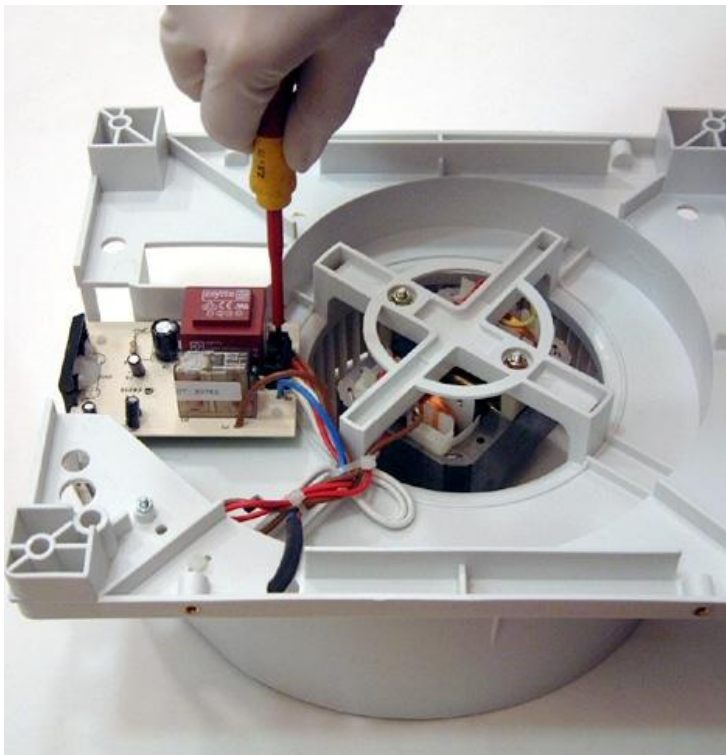
Using an 8 mm hexagonal spanner, separate the base from the rear cover by applying a slight pressure on the four clips.



Disconnect the electronic circuit board from the grid.



Disconnect the four cables; two from the motor (red and brown) and two from the heating element (white), from the terminal block of the electronic circuit board.

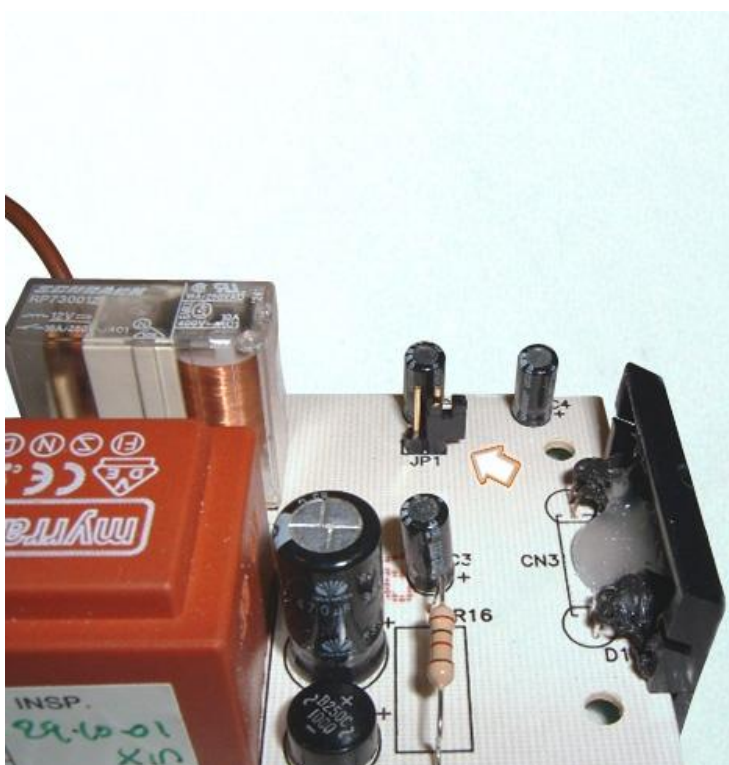


Remove the electronic circuit board from its housing, carefully freeing it from its four anchoring points and replace it. Fit it by following the previous steps in reverse order.



Setting the detection distance

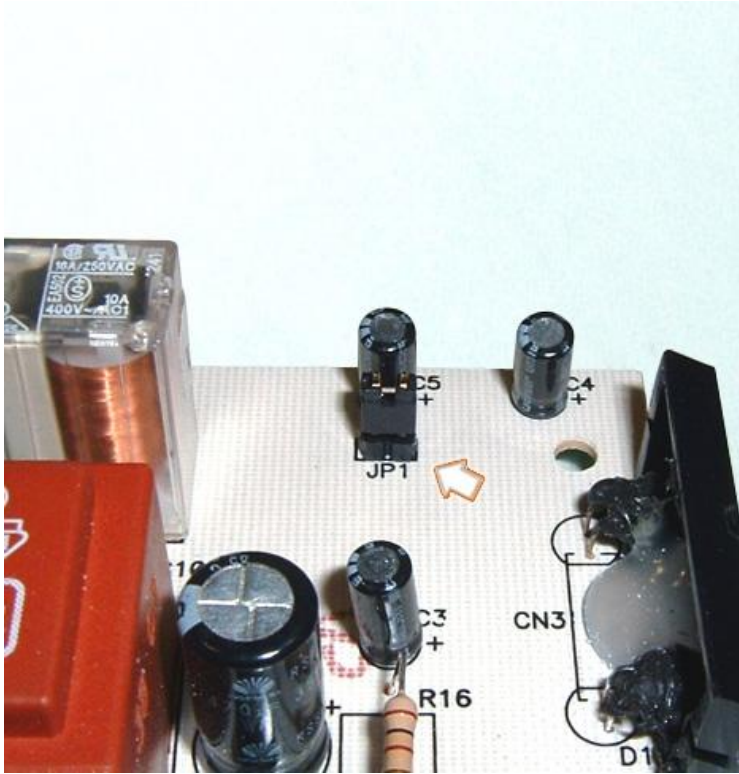
Position of the jumper at high sensitivity: detection distance between 20 and 25 cm.



Position of the jumper at low sensitivity: detection distance between 15 and 20 cm.

Notes: Dryers are supplied with the jumper set in the low sensitivity position.

The lighting conditions of the installation site can alter the detection distances.



Push-button version

Characteristics

- Electronic timer
- 45" cycle

Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-annual basis, depending on the dryer's operating cycles.

Replacement of the timer

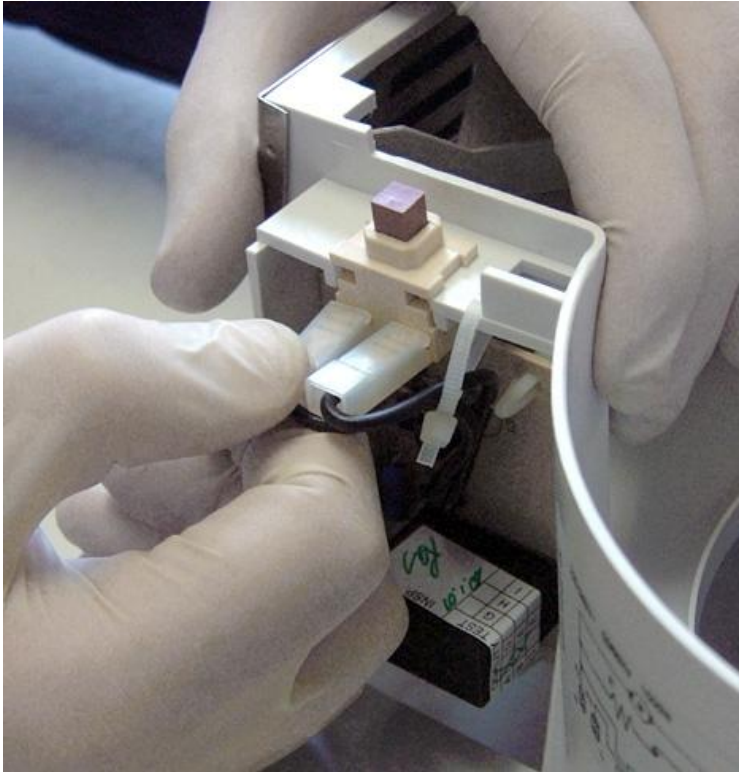
Using an 8 mm hexagonal spanner, separate the base from the rear cover by applying a slight pressure on the four clips.



Disconnect the cables from the motor (red and brown) and the heating element (white) that go to the terminal block of the timer.



Disconnect the two timer cables that go to the button.



Remove the timer from its location, carefully freeing it from its four anchoring points using a flat-tipped tool and replace it.

Fit it by following the previous steps in reverse order.

