

## Hand dryer Troubleshooting Guide Speedflow

PROBLEM	POSSIBLE CAUSE	SOLUTION
The dryer does not work	No electricity supply	<ul style="list-style-type: none"> <li>✓ Check if the master switch has not been triggered</li> <li>✓ Check that the equipment is correctly plugged</li> <li>✓ Make sure it has the proper power</li> </ul>
	Faulty installation	<ul style="list-style-type: none"> <li>✓ Check if all the wiring connections to the terminal block are OK</li> </ul>
	The LED sensor is dirty	<ul style="list-style-type: none"> <li>✓ Make sure the LED sensor visor is completely clean</li> </ul>
	Other possible causes	<ul style="list-style-type: none"> <li>✓ Check if the cover fits well with the base, is fixed with the screws and does not interfere with the detectors</li> <li>✓ Check the coal motor brushes condition and make sure the motor is working properly</li> <li>✓ Check if any external object is blocking the rotor</li> <li>✓ Make sure that the ECU is feeding the motor and no component is damaged</li> </ul>
The dryer starts automatically	The LED sensor is dirty	<ul style="list-style-type: none"> <li>✓ Make sure the LED sensor visor is completely clean</li> </ul>
	Over-sensitivity	<ul style="list-style-type: none"> <li>✓ Adjust detection distance in the ECU by turning the potentiometer</li> </ul>
	Cover not properly fixed	<ul style="list-style-type: none"> <li>✓ Check if the cover fits neatly on the base, is fixed with the screws and does not interfere with the detectors. Note: to fix the cover to the base, tighten the screws from within.</li> </ul>
The dryer runs continuously (non-stop)	Over-sensitivity	<ul style="list-style-type: none"> <li>✓ Adjust the detection distance in the ECU by turning the potentiometer</li> </ul>
	The LED sensor is dirty	<ul style="list-style-type: none"> <li>✓ Make sure the LED sensor visor is completely clean</li> </ul>
	Other possible causes	<ul style="list-style-type: none"> <li>✓ Make sure that the ECU is feeding the motor and no component is damaged</li> <li>✓ Check if the cover fits neatly on the base, is fixed with the screws and does not interfere with the detectors. Note: to fix the cover to the base, tighten the screws from within.</li> </ul>
The dryer runs on and off	The ECU does not work properly	<ul style="list-style-type: none"> <li>✓ Make sure that the ECU is feeding properly the motor and no component is damaged</li> <li>✓ Check if all the wiring connections are right</li> </ul>
The dryer blows cold air	The heating element is disconnected	<ul style="list-style-type: none"> <li>✓ Position the jumper correctly</li> </ul>
	The internal temperature exceeded the maximum	<ul style="list-style-type: none"> <li>✓ Wait for a couple of minutes and then restore the thermal protection of the heating element</li> </ul>
	Damaged heating element	<ul style="list-style-type: none"> <li>✓ Check the heating element and replace it if necessary</li> </ul>

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The dryer makes a weird noise	Faulty hand dryer fixation	✓ Check if the silent blocks in the rear part of the base are well placed and the base is correctly fixed to the wall. Also check whether the cover is properly fixed to the base
	Loose component fixation	✓ Check if the motor is well fixed to the base, otherwise, fix it properly. Check that the rest of the internal components are clamped correctly
	Loose/damaged fan wheel	✓ Confirm that the fan wheel is fixed properly, well placed and not damaged. Try to disassemble and reassemble the fan wheel, if the noise persists, replace it
	External solids	✓ Check if any external solid is moving freely inside the motor or inside the cover
	Damaged ECU	✓ Make sure that the ECU is feeding the motor properly and no component is damaged. If not, replace the ECU
The motor does not work but the heating element does and it's red	The coal motor brushes are over	✓ Check if the coal motor brushes are well assembled and in good condition, if not, replace the coal brushes set
	The motor is not wired properly	✓ Check if the motor is properly wired to the ECU
	Other motor fault	✓ Check if the motor works properly and if any component is damaged. If necessary, replace the damaged component
The dryer blows a low airflow	The motor speed is set up to a minimum	✓ Check the speed adjustment potentiometer and set it to a higher speed
	Insufficient voltage value	✓ Make sure the ECU is supplied with the proper power and the hand dryer is properly grounded
	Loosed fan wheel	✓ Confirm that the fan wheel is properly fixed . If not, fix it properly
	In other cases	✓ Check if the motor is working properly. If yes, replace the ECU
The dryer produces sparks or burning smell	The coal motor brushes are over	✓ Check if the coal motor brushes are well assembled and in good condition, if not, replace the coal brushes set
	The motor is damaged	✓ Check if the motor works properly and if any component is damaged. If necessary, replace the motor

ECU: Electronic Control Unit

These tasks must be performed by a qualified technician