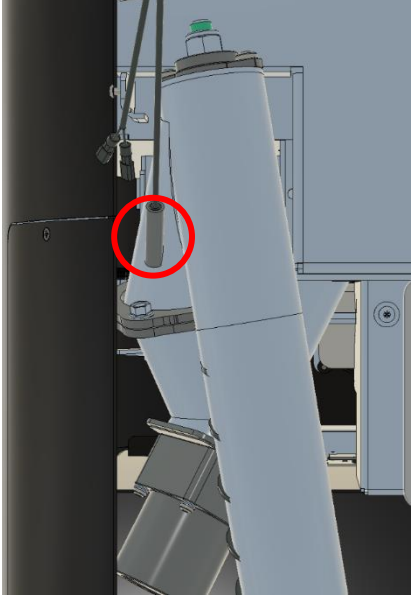


## Alarms general overview Hybrid Stoves

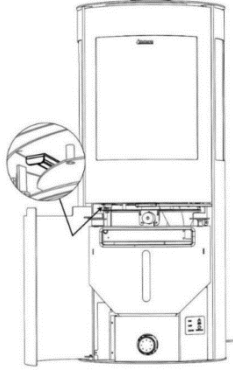
If the stove detects an error, the alarm mode will be activated as a precaution to ensure safety. The app will display an alarm to notify the user of any errors. This document provides an overview of the alarms and specifies the recommended actions to address them.

Once the issue is resolved, reset the alarm by pressing the ON/OFF button for at least 5 seconds

Simple overview of connections: [Wirediagram Hybrid control board - V13-7.pdf \(doc.adurofire.com\)](#)

Alarm name (New name)	Possible cause	Corrective action
<p>Drop shaft hot. DON'T USE THE STOVE WITH WOOD LOGS</p> <p>(Alarm 1: Drop shaft hot. DON'T USE THE STOVE WITH WOOD LOGS)</p>	<p>This message will appear if the stove detects a high temperature (100 °C) in the pellet drop shaft where the internal and external augers meet. The stove will attempt to clear the internal auger and will stop any burning:</p>  <p>This often indicates that a backfire is present or close to happening.</p>	<p>Check the burning cave for any signs of fire or smoke deeper in the pellet tube and check the pellet silo for any sign of fire or smoke.</p> <p>Put out any fire that is present. Afterward, both augers should be removed and inspected.</p> <p>Contact a professional to inspect the stove and ensure everything is functioning correctly.</p> <p>Both augers should be removed and checked for excessive soot or ash as a sign of backfire.</p> <p>Run a large quantity of pellets through the system to ensure the auger motors are working properly and to confirm that no pellets are burning inside the tubes.</p>
<p>Ignition failed. Open the door and check the brazier for pellet accumulation.</p> <p>(Alarm 2: Ignition failed. Open the door and check the brazier for pellet accumulation.)</p>	<p>This message will appear if the stove fails to reach a temperature of 90 °C after two ignition attempts.</p>	<p>Open the door and try to determine what might have caused the error.</p> <p>If there are no pellets in the brazier the stove might have run out of pellets, or the augers might be malfunctioning.</p> <ol style="list-style-type: none"> <li>1. Check if there are pellets in the silo.</li> <li>2. Check that the augers are working by pressing and holding the auger button on the control panel. They must rotate clockwise.</li> </ol> <p>Check that the brazier/ end of the auger tube are clear and that there are no slags.</p>

		<p>If pellets are present but no embers or smoke are produced during ignition, the ignitor may be malfunctioning.</p> <ol style="list-style-type: none"> <li>1. Check that the hole for the ignitor is not blocked.</li> <li>2. Check that the ignitor is working properly by emptying the brazier and clearing as much of the auger tube as possible. Start the stove and observe that the hole to the ignitor glows. If it does not, check the connections or/and replace the ignitor.</li> </ol> <p>Increase draft and or fan speed. Check for non-optimal installation that reduces the chimney draft. The stove requires a stable draft between 18 and 25 Pa (5-12 Pa in cold state before ignition).</p>
<p>Smoke sensor malfunction.  (Alarm 3: Smoke sensor malfunction)</p>	<p>This error will occur if the control board does not receive a signal from the smoke temperature sensor.</p>	<p>Check if the smoke sensor is connected correctly to the control board (Check connection overview above). Replace the sensor with a new one.</p>
<p>Shaft sensor defect. DON'T USE THE STOVE WITH WOOD LOGS. Call technician.  (Alarm 4: Shaft sensor malfunction. DON'T USE THE STOVE WITH WOOD LOGS. Call technician.)</p>	<p>This error will occur if the control board does not receive a signal from the shaft sensor.</p>	<p>Check if the shaft sensor is connected correctly to the control board (Check connection overview above). Replace the sensor with a new one.</p>
<p>Check burner cave.  (Alarm 5: Fume level high. Check for fire in burner cave &amp; pellets silo. Check for sufficient draft)</p>	<p>This alarm is triggered when the CO level is in the red zone.</p> <p>When the CO level reaches the red zone, the stove will stop all burning and remain inactive until the CO level is reduced, and the alarm is reset.</p> <p>The sensor that measures the CO-level in the silo is placed on the top plate of the silo.</p> <p>The CO-level may typically rise due to the following:</p> <ul style="list-style-type: none"> <li>- A dirty brazier</li> <li>- Insufficient chimney draft</li> <li>- Newly added pellets creating dust and releasing gases</li> </ul>	<p>Clean the brazier.</p> <p>Improve the chimney draft – optionally with an Aduro DraftOptimizer.</p> <p>Ventilate the pellet silo by opening the silo door for 20 min. If the level remains unchanged, the sensor may be faulty and should be replaced.</p> <p>If the alarm activates during operation, it must be manually reset using the ON/OFF button once the stove has cooled down.</p>
<p>External auger alarm. DON'T USE THE STOVE WITH WOOD LOGS. Call technician both augers must be inspected.  (Alarm 6: External auger alarm. DON'T USE THE STOVE WITH WOOD LOGS. Call technician both auger motors must be inspected.)</p>	<p>This alarm is triggered when the control board detects that the motor is drawing power from the board when it should not be.</p>	<p>Check that the connections are correct.</p> <p>Check which motor is not operating as expected and replace it if necessary.</p> <p>If the problem continues, replace the control board.</p> <p>You have the option of firing with wood. However, it requires that you take out the short auger and</p>

		<p>empty the auger and the fall shaft completely of pellets. Then reinsert the auger again.</p>
<p>No fire (Alarm 7: No fire – smoke temperature too low)</p>	<p>This alarm is triggered when the sensor detects that the smoke temperature falls below the minimum limit defined in the stove settings:</p> <p>Smoke low limit <input type="text" value="110"/></p> <p>Smoke mid limit <input type="text" value="160"/></p> <p>Smoke high limit <input type="text" value="190"/></p> <p>The smoke temp is often low because either air or fuel is missing or not sufficient enough.</p>	<p>Check pellet amount, that the stove has not run out of pellets. Check that the augers are working by pressing and holding the auger button on the control panel. They must rotate clockwise.</p> <p>Check the quality and moisture level of the pellets. We recommend Ø6 mm light colored pellets with a maximum length of 30 mm.</p> <p>Clean the hybrid. The hybrid stove requires cleaning after each day of use. Also requires annual service.</p> <p>Make sure the front air damper is closed during pellet combustion.</p> <p>Increase amount of pellets supplied and or adjust fan speed. <a href="#">Hybrid App</a></p> <p>Increase draft Check for non-optimal installation that reduces the chimney draft. The stove requires a stable draft between 18 and 25 Pa (5-12 Pa in cold state before ignition).</p> <p>Change the smoke limit, go down 5 °C at a time.</p>
<p>Air damper closed. (Alarm 8: Air damper closed – open damper to fire with pellets)</p>	<p>The click sensor for the air damper is pressed in by the damper, preventing air from reaching the pellets.</p> <p>The stove cannot burn pellets without the necessary air supply.</p>	<p>Open the damper by pulling it all the way towards the front:</p>  <p>Check the connections and, if necessary, replace the sensor.</p>
<p>CO sensor defect (Alarm 9: CO sensor malfunction)</p>	<p>This error will appear if the control board does not receive a signal from the CO-sensor.</p>	<p>Check that the cable to the CO-sensor is connected to both the control board and the sensor.</p> <p>Change the sensor.</p>

**Keywords:** Alarms, hybrid, solutions, causes