

Reference	Subject	Date
ST-103	H & L Series Machine Alarms	2-13-2019
<b>Product</b>	H10, H20, & L1 Series	

**The information listed below is provided as general guidelines to assist in troubleshooting. It is ultimately the owner's/ distributor's/ technician's responsibility to properly troubleshoot the piece of equipment down to the failed component(s). Continental Girbau will not be held liable for any part replacement and/or labor associated with the misdiagnosed troubleshooting of the equipment.**

Display Report	Description of Alarm	Probable Cause
ALN/bAL	Unbalance condition-Alarm is on if continuity is not detected in unbalance sensor.	<ol style="list-style-type: none"> <li>1. Unbalance of last load washed.</li> <li>2. No voltage at X8-4 of micro</li> <li>3. Bad balance switch</li> </ol>
ALN/Prob	Faulty Sensor-Alarm is on if the sensor R-3 circuit exceeds 10 to 20 K-ohms at room temperature (68 F)	<ol style="list-style-type: none"> <li>1. Sensor wet changing Ohm value</li> <li>2. Loose wiring or dirty connections</li> <li>3. Faulty sensor</li> </ol>
ALN/L	Water level-Alarm is on if level is detected when washer should be empty.	<ol style="list-style-type: none"> <li>1. Drain valve does not open</li> <li>2. Air dome clogged or dirty</li> <li>3. Pressure tube clogged or dirty</li> </ol>
ALN/StAr	Faulty Door Lock-Alarm is on if 1 minute after starting cycle the locking micro switch S2 does not close	<ol style="list-style-type: none"> <li>1. Faulty thermal actuator</li> <li>2. No power between X3-3 &amp; X3- 1 terminal H10 series</li> <li>3. No power between X2-2 &amp; X2- 6 terminal H20 series</li> <li>4. Faulty S2 micro switch</li> </ol>
ALN/A	Faulty water supply-Alarm is on if the programmed water level has not been reached within 10 minutes	<ol style="list-style-type: none"> <li>1.No water supply to valve</li> <li>2.Valve filter screen clogged</li> <li>3.Drain valve stuck in open position, no power to drain valve</li> <li>4.Check power supply to hot or cold fill valve</li> </ol>
ALN/SL	Persistent overflow-Alarm is on if higher water level is detected for 5 consecutive seconds	<ol style="list-style-type: none"> <li>1.Water valve stuck in open position with power off</li> <li>2.Water valve stuck open with power on indicates faulty microprocessor output</li> <li>3.Short circuit in water valve</li> </ol>

ALN/C	Faulty steam heating-Alarm is on if auxiliary heat is programmed and the temperature does increase 18 degrees in 20 minutes	<ol style="list-style-type: none"> <li>1.No steam supply</li> <li>2.Check power to Y-1 Steam valve across wires 207 &amp; 29</li> <li>3.Short circuit in steam valve</li> </ol>
ALN/C ALN/F	Water temperature exceeded-Alarm is on if water temperature exceeds the programmed setting.	<ol style="list-style-type: none"> <li>1.Check Y-1 steam valve to see if it turns off when water reaches programmed value.</li> <li>2.Disassemble valve and clean</li> <li>3.Check voltage across wires 207 &amp; 29 to verify no voltage present when water reaches temperature. If voltage is present when it should not be, change the output V-23 on board</li> </ol>
ALN/FIRE	Faulty electric heating-Alarm is on when the microprocessor does not call for heating.	<ol style="list-style-type: none"> <li>1.Check "CONF 1" program setup and change step 2 to read Ht-0 for L-10, H-10 and H20 series washers.</li> <li>2.Check KM-1 contactor to make sure it opens when programmed water temperature is reached.</li> <li>3.Verify voltage disconnection to KM-1 contactor when programmed water temperature is reached</li> </ol>
ALN/c	Faulty synthetics cool down-Alarm is on if water temperature does not drop 9 degrees in 5 minutes.	<ol style="list-style-type: none"> <li>1.Check water inlet valve Y-2 to verify operation</li> <li>2.Check temperature probe resistance value, 10 to 20 K- ohms at room temperature.</li> <li>3.Check cold water supply.</li> </ol>
ALN/E	Blocked drain system-Alarm is on if water is detected in washer 5 minutes after drain opens.	<ol style="list-style-type: none"> <li>1.Check drain piping system for blockage.</li> <li>2.Check drain valve for blockage.</li> <li>3.Check drain to verify it opens when power is turned off to washer.</li> <li>4.Check to see if there is voltage present across wires 207 &amp; 10 when drain should be open. If voltage is present replace output chip V15.</li> </ol>
ALN/Notr	Motor thermal protection open-Alarm is on When no voltage is present at X6- 14 input.	<ol style="list-style-type: none"> <li>1.Check for voltage across wires 207 &amp; 22 at X6 terminal plug.</li> <li>2.Check manual reset devices on L1125 models and all H10 series washers above H1030 models</li> </ol>

ALN/door	Faulty door lock-Alarm is on if during a wash cycle the S-2 switch contacts open and you have a loss of voltage at X8-2 terminal plug. This also occurs if the S-2 micro switch does not open within 5 minutes of end of cycle.	<ol style="list-style-type: none"> <li>1. Check door hinge micro switch for open and close operation.</li> <li>2. Check to insure door cannot be opened before green door open light comes on.</li> <li>3. Check emergency stop switch normally closed set of contacts 4-Press Clear/Stop and if alarm goes away customer opened loading door too quickly.</li> </ol>
ENER	Emergency stop switch activated	<ol style="list-style-type: none"> <li>1. Turn red knob of stop switch to the left and press Clear/Stop to clear alarm</li> </ol>



*Always follow the warnings and procedures in the corresponding equipment instruction manual.*

---

Technical Note