

EcoNet and Flash Codes

RHMV – RH2T Air Handler

The error codes below will be displayed at the EcoNet Control Center under Service window / Current Faults or in the Fault History and will be time & date stamped. Flash codes listed in the center column will show on the indoor control board's fault LED.

EcoNet error code at Control Center	Flash Code on Air Handler Control Board	Description	Resolution
A100_A Configuration Data Restore Failure		<ul style="list-style-type: none"> The firmware in the air handler control board is corrupt. 	<ul style="list-style-type: none"> Replace air handler control board.
A103_A Memory Card Config Data Write Failure	2 Flashes	<ul style="list-style-type: none"> Missing, loose or corrupt memory card Solder connections on back of control board at memory card socket are loose. 	<ul style="list-style-type: none"> Replace memory card Inspect back of control for loose solder connections. If solder connections are loose, replace control board.
A106_A Memory Card Static Pressure Data Failure	2 Flashes	<ul style="list-style-type: none"> Corrupt or improperly programmed memory card 	<ul style="list-style-type: none"> Replace memory card
A104_A ECM Blower Motor Run Fault	4 Flashes	<ul style="list-style-type: none"> Faulty Blower motor or module. RHMV only 	<ul style="list-style-type: none"> Replace blower motor module. Check motor to ensure a new module will not go on a bad motor.
A101_C ECM Blower Motor Communication Failure	4 Flashes	<ul style="list-style-type: none"> Control is unable to communicate with blower motor module RHMV Only 	<ul style="list-style-type: none"> Ensure contacts on harness pins/sockets are not, loose corroded or dirty, replace harness or clean pins/sockets Internal fault on motor module, Replace motor module.
A105_A ECM Blower Fault - Incomplete Parameters	4 Flashes	<ul style="list-style-type: none"> Incorrect ECM motor/module. Uncommon, used primarily for manufacturing. RHMV only 	<ul style="list-style-type: none"> Install correct ECM Motor Module

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A102_C ECM Power Level doesn't match Memory Card	3 Flashes	<ul style="list-style-type: none"> • Either the ECM Motor/Module, or memory card is wrong for unit. • RHMV only 	<ul style="list-style-type: none"> • Verify correct motor module and/or memory card.
A107_A Return Air Temp Thermistor Failure	5 Flashes	<ul style="list-style-type: none"> • This fault indicates that an accessory Return Air Temperature thermistor was installed and has been removed or has failed after being installed. • Return air sensor is not used for operation, it is for control center data field only. • Accessory, not factory installed 	<ul style="list-style-type: none"> • Reinstall, or Replace accessory Return Air Thermistor • Cycle power to remove fault if no sensor is installed or has been intentionally removed.
A108_A Leaving Air Temp Thermistor Failure	6 Flashes	<ul style="list-style-type: none"> • This fault indicates that an accessory Supply Air Temperature thermistor was installed and has been removed. • Supply air sensor is not used for operation, it is for control center data field only. • Accessory, not factory installed 	<ul style="list-style-type: none"> • Reinstall, or Replace accessory Supply Air Thermistor. • Cycle power to remove fault if no sensor is installed or has been intentionally removed.
A109_A Suction Pressure Sensor Failure	10 Flashes	<ul style="list-style-type: none"> • The Suction pressure transducer is either defective or not communicating via the harness to the control board. 	<ul style="list-style-type: none"> • Verify voltage out on Red and Black leads to be ~5VDC. • Check voltage at Green and Black leads, returning to be variable DC Voltage dependent on Pressure. • This measurement is taken with harness and transducer in place by placing meter leads in back of the harness connector at the control board. • Ensure transducer is depressing valve core if pressure is 0. • $PSIA = 375 * (DCV \text{ out} / DCV \text{ in}) - 22.8$ • $PSIG = PSIA - 14.7$

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A110_A Evap Temp Thermistor Failure	7 Flashes	<ul style="list-style-type: none">• This is an optional future enhancement, not used today.	<ul style="list-style-type: none">• If a sensor is present, check sensor connection at control board, verify against 10k@77 degree chart.• This is not a standard part and this fault suggests one was connected and removed. If no sensor is installed, cycle control and line voltage power.
A111_A EXV Temp Thermistor Failure	8 Flashes	<ul style="list-style-type: none">• This refers to the suction thermistor that drives the EEV.• Check to be sure this sensor is in place and not faulty.	<ul style="list-style-type: none">• Use the 10k@77 degree resistance/temperature chart.• Replace sensor
A201_A A Float Switch Trip - Air Handler Aux In 1		<ul style="list-style-type: none">• These are Configurable contacts through EcoNet Control Center.• Only a cooling shut down will occur. It will not shut heat pump heating mode down.	<ul style="list-style-type: none">• Verify accessory float switch is not tripped. Check for blocked drain or failed condensate pump or pump switch.• Ensure EcoNet control is configured properly for the type of switch used (normally open or normally closed).• Verify wiring to float switch is not damaged or broken• Verify Float switch is connected to proper aux circuit

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A202_A A Float Switch Trip - Air Handler Aux In 2		<ul style="list-style-type: none">• These are Configurable contacts through EcoNet Control Center.• Only a cooling shut down will occur. It will not shut heat pump heating mode down.	<ul style="list-style-type: none">• Verify accessory float switch is not tripped. Check for blocked drain or failed condensate pump or pump switch.• Ensure EcoNet control is configured properly for the type of switch used (normally open or normally closed).• Verify wiring to float switch is not damaged or broken• Verify Float switch is connected to proper aux circuit
A112_A Water Inlet Thermistor Failure		<ul style="list-style-type: none">• This code is currently unused and is reserved for hydronic air handler in the future.	<ul style="list-style-type: none">• If this fault shows up on current control board, ensure condensation is not forming on control board.
A113_A No Evap or Suction Press. Sensor Failure		<ul style="list-style-type: none">• Uncommon fault reserved for manufacturing.• May occur if control board is changed and coil sensors are not connected	<ul style="list-style-type: none">• Ensure coil thermistor and transducer are connected to control board.

Troubleshooting Note:

If blower will not run but the thermostat / control center, control board and outdoor equipment is otherwise showing to be powered, check low voltage fuse on air handler control board.