

OLD  
YorkGuard 4HS

EYES  
EIEB  
EIFH  
BIPS

# APPENDIX - FAULT CODE/MODE

## "NEW" YorkGuard® Heat Pump Control Module

<u>FAULT CODE</u>	<u>POSSIBLE CAUSE</u>
2	<u>DISCHARGE PRESSURE REACHES 400 PSIG.</u> <ul style="list-style-type: none"> <li>In cooling cycle, look for dirty outdoor coil, faulty outdoor fan motor</li> <li>In heating cycle, look for dirty indoor filter, faulty indoor fan motor, add-on system bonnet sensor open or wiring not complete to module.</li> </ul>
3	<u>DISCHARGE TEMPERATURE REACHES 275°F.</u> <ul style="list-style-type: none"> <li>Low refrigerant charge.</li> </ul>
4	<u>DISCHARGE TEMPERATURE DID NOT REACH 90°F WITHIN ONE HOUR OF COMPRESSOR OPERATION</u> <ul style="list-style-type: none"> <li>Tripped breaker to outdoor unit power supply.</li> <li>Faulty (Open) discharge sensor.</li> <li>Compressor off on internal overload. Check for open run capacitor.</li> <li>Sensor pulled loose from line beneath insulating cover.</li> <li>Very low refrigerant charge at time of system start-up.</li> <li>Faulty contactor coil.</li> <li>Insects mashed on contact points or jamming contactor carrier.</li> <li>Grossly overcharged.</li> </ul>
5	<u>TWO (2) DEFAULT DEFROSTS WITHIN ONE HOUR</u> <ul style="list-style-type: none"> <li>Outdoor ambient sensor misplaced - not picking up "true" outdoor temperature.</li> <li>Restricted capillary tube to outdoor coil.</li> <li>Clogged filter/drier ahead of capillary tube in outdoor section.</li> <li>Low refrigerant charge.</li> <li>Faulty outdoor fan motor.</li> <li>Smaller than required indoor YorkMate® orifice (restricts refrigerant flow to outdoor unit).</li> <li>Snow drifted over unit.</li> </ul>
6	<u>NON-EXISTENT YG IV - YG V DISCHARGE SENSOR</u>
7	<u>OUTDOOR SENSOR FAILURE (OPEN OR SHORTED)</u>
8	<u>LIQUID LINE SENSOR FAILURE (OPEN OR SHORTED)</u>
9	<u>BONNET SENSOR SHORTED</u>

Part # 03101957000

FAILURE

NOTE: Fault codes 7, 8, and 9 will not cause the outdoor unit to lock out if the system is operating in the cooling mode, but will flash the code.