

TECHNICAL INFORMATION COMMUNICATION



Quality and Continuous Improvement

Number: TIC 2019-0002

Date: 5/20/2019

Title: Residential Communicating System Master Fault Code List

Product Category: Residential Communicating Systems

REV:2

Products Affected:

Residential Communicating Systems

Situation:

An update to the master fault code list for communicating systems.

Technical Information:

Master fault code list has been updated to reflect current released product in the field. Use this as a reference document for faults associated with communicating systems.

References

Code	Description
12	Furnace - Blower on after Power-up
13	Furnace – Limit Lockout
14	Furnace – Ignition Lockout
15	Furnace – Blower Lockout
16	Fan Coil – Communication Error
16	18VS,19VS/V-HP/AC- Communication Loss (not sent to wall control)
16	GeoHP (Two Capacity) – Communication Error
16	Greenspeed/Extreme – Communication Loss
16	Infinity/Evolution ODU Single Capacity – Communication Error
16	Infinity/Evolution ODU Two Capacity – Communication Error
21	Furnace – Gas Heat Lockout
22	Furnace – Flame Sense Error
23	Furnace – LPS or HPS Closed

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24	Furnace – 24VAC Fuse Open
25	Furnace – Invalid Model
25	18VS,19VS/V-HP/AC – Invalid Model Plug / Inverter Size
25	Fan Coil – Invalid Model
25	GeoHP (Two Capacity) – Invalid Model Plug
25	Greenspeed/Extreme – Invalid Model
25	Infinity/Evolution ODU Two Capacity – Invalid Model Plug
26	Fan Coil - Invalid Heater Size
27	Fan Coil - Invalid AC/HP Size
31	Furnace - High Pressure Switch Open
31	18VS,19VS/V-HP/AC- High Pressure Switch Open (2016 - not sent to wall control)
31	GeoHP (Two Capacity) – High Pressure Switch Open
31	Greenspeed/Extreme - High Pressure Switch Fault
31	Infinity/Evolution ODU Single Capacity – High Pressure Switch Open
31	Infinity/Evolution ODU Two Capacity – High Pressure Switch Open
32	Furnace – Low Pressure Switch Open
32	18VS,19VS/V-HP/AC - Low Pressure Trip (2016 - not sent to wall control)
32	GeoHP (Two Capacity) – Low Pressure Switch Open
32	Greenspeed/Extreme - Low Pressure Trip
32	Infinity/Evolution ODU Single Capacity – Low Pressure Switch Open
32	Infinity/Evolution ODU Two Capacity – Low Pressure Switch Open
33	18VS,19VS/V-HP/AC - Lost Inverter Communications (not sent to wall control)
33	Furnace – Limit Fault
34	Furnace – Ignition Fault
35	Furnace - Modulating Gas Valve Communications Fault
36	Fan Coil – Control Fault Heater May Be Off
37	Fan Coil – Control Fault, Heater Stuck On
41	Furnace – Blower Motor Fault
41	Fan Coil – Blower Motor Fault
42	Furnace – Inducer Fault

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43	Furnace – LPS Open HPS Closed
44	Fan Coil – Cannot Communicate with Blower
45	Furnace – Control Fault
45	Fan coil – Control Fault
45	GeoHP (Two Capacity) – Control Fault
45	Greenspeed/Extreme – Control Fault
45	Infinity/Evolution ODU Single Capacity – Control Fault
45	Infinity/Evolution ODU Two Capacity – Control Fault
46	Infinity/Evolution ODU Two Capacity – Brownout on 230V
46	18VS,19VS/V-HP/AC - Brownout Event (not sent to wall control)
46	GeoHP (Two Capacity) – Brownout on 230V
46	Greenspeed/Extreme – Brownout Event
47	Infinity/Evolution ODU Two Capacity - No 230V to Unit
47	GeoHP (Two Capacity) - No 230V to Unit
48	Greenspeed/Extreme – Lost Inverter Communications
48	18VS,19VS/V-HP/AC – Lost Inverter Communications
49	Greenspeed/Extreme - 230VAC Dropout-Reset Event
49	18VS,19VS/V-HP/AC - Compressor Over Current Fault
53	Furnace – Outdoor Air Temp Sensor Fault
53	18VS,19VS/V-HP/AC – Outdoor Air Temp Sensor Fault
53	Fan Coil – Outdoor Air Temp Sensor Fault
53	Greenspeed/Extreme - OAT Sensor Fault
53	Infinity/Evolution ODU Single Capacity - Outdoor Air Temp Sensor Fault
53	Infinity/Evolution ODU Two Capacity – Outdoor Air Temp Sensor Fault
54	Greenspeed/Extreme - Outdoor Suction Temperature Sensor Fault
54	18VS,19VS/V-HP/AC - Suction Temp Sensor Fault
55	Infinity/Evolution ODU Two Capacity - Coil Temp Sensor Fault
55	18VS,19VS/V-HP/AC - Coil Temp Sensor Fault
55	Greenspeed/Extreme - Coil Temperature Sensor Fault
55	Infinity/Evolution ODU Single Capacity - Coil Temp Sensor Fault
56	Infinity/Evolution ODU Two Capacity – Temp Sensor Out of Range

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56	18VS,19VS/V-HP/AC - OAT-OCT Thermistor out of Range (2016 - not sent to wall control)
56	Greenspeed/Extreme – OAT-OCT Thermistor out of Range
56	Infinity/Evolution ODU Single Capacity – Temp Sensor Out of Range
57	Greenspeed/Extreme - Suction Pressure Sensor Fault
57	18VS,19VS/V-HP/AC - Suction Pressure Sensor Fault
57	GeoHP (Two Capacity) - Freeze Sensor Fault
58	Greenspeed/Extreme - Suction Thermistor Range Fault
59	Greenspeed/Extreme – Compressor Scroll Temp out of Range Event
59	18VS,19VS/V-HP/AC – Discharge Temp out of Range Event (2016 - not sent to wall control)
61	SAM - Device Out of Range
61	18VS,19VS/V-HP/AC - Fan Inverter Fault (2016 - not sent to wall control)
62	18VS,19VS/V-HP/AC – Fan Inverter Temperature High (2016 - not sent to wall control)
62	Greenspeed/Extreme – Compressor No Start
62	SAM – Loss of Device Communications
63	SAM - Device Not Registered
63	18VS,19VS/V-HP/AC – Fan Inverter Over Current (2016 - not sent to wall control)
64	SAM – Aux Sensor Alert
65	SAM - Security Violated
65	18VS,19VS/V-HP/AC – DC Volts Low Speed Limiting (2016 - not sent to wall control)
66	18VS,19VS/V-HP/AC – Outdoor Fan Dropped Out (2016 - not sent to wall control)
67	18VS,19VS/V-HP/AC – Stator Heater Fault (2016 - not sent to wall control)
68	Greenspeed/Extreme - Compressor Sump Heating Active
68	18VS,19VS/V-HP/AC - 10 min stage 2 warm-up delay
69	Greenspeed/Extreme – Inverter Fault
69	18VS,19VS/V-HP/AC – Inverter/Compressor Internal Fault
71	Infinity/Evolution ODU Two Capacity – Thermal Cutout in Low Stage

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71	18VS,19VS/V-HP/AC - Compressor Dropped Out (2016 - not sent to wall control)
71	GeoHP (Two Capacity) – Thermal Cutout in Low Stage
71	Greenspeed/Extreme – Compressor Motor Temp out of Range Event
72	Infinity/Evolution ODU Two Capacity - Thermal Cutout in High Stage
72	18VS,19VS/V-HP/AC – Suction Over Temp Event (2016 - not sent to wall control)
72	GeoHP (Two Capacity) - Thermal Cutout in High Stage
72	Greenspeed/Extreme – Suction Over Temp Event
73	Infinity/Evolution ODU Two Capacity – Contactor Shorted
73	GeoHP (Two Capacity) – Contactor Shorted
74	Infinity/Evolution ODU Two Capacity - No 230V to Compressor
74	18VS,19VS/V-HP/AC – Discharge Temp out of Range Lockout
74	GeoHP (Two Capacity) - No Voltage to Compressor
75	Infinity/Evolution ODU Two Capacity - Low Speed No Start
75	18VS,19VS/V-HP/AC – Maximum Power Mode – Temp (2016 - not sent to wall control)
75	GeoHP (Two Capacity) - Low Speed No Start
75	Greenspeed/Extreme – Inverter Temp out of Range Event
76	Infinity/Evolution ODU Two Capacity - Low Stage Repeat No Start
76	18VS,19VS/V-HP/AC – Fan Inverter Lockout
77	Infinity/Evolution ODU Two Capacity - High Speed No Start
77	18VS,19VS/V-HP/AC - Maximum Power Mode – Comp Current (2016 - not sent to wall control)
77	Greenspeed/Extreme – Inverter Over Current Event
78	Infinity/Evolution ODU Two Capacity - High Stage Repeat No Start
79	Infinity/Evolution ODU Two Capacity – Run Capacitor Failed
79	18VS,19VS/V-HP/AC – Compressor/Inverter Fault (2016 - not sent to wall control)
79	Greenspeed/Extreme – Compressor No-Pump Event
80	Low Press Switch Open
81	Infinity/Evolution ODU Two Capacity –Thermal Lockout in Low Stage 4 Hours

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81	GeoHP (Two Capacity) –Thermal Lockout in Low Stage 4 Hours
82	Infinity/Evolution ODU Two Capacity - Thermal Lockout in High Stage 4 Hours
82	18VS,19VS/V-HP/AC – Suction Over Temp Lockout
82	GeoHP (Two Capacity) - Thermal Lockout in High Stage 4 Hours
82	Greenspeed/Extreme – Suction Over Temp Lockout
83	Infinity/Evolution ODU Two Capacity - Low Pressure Lockout 4 Hours
83	18VS,19VS/V-HP/AC – Low Pressure Lockout 4 Hours
83	GeoHP (Two Capacity) – Low Pressure Lockout 4 Hours
83	Greenspeed/Extreme – Low Pressure Lockout For 4 Hours
83	Infinity/Evolution ODU Single Capacity - Low Pressure Lockout 4 Hours
84	Infinity/Evolution ODU Two Capacity - High Pressure Lockout 4 Hours
84	18VS,19VS/V-HP/AC – High Pressure Lockout 4 Hours
84	GeoHP (Two Capacity) - High Pressure Lockout 4 Hours
84	Greenspeed/Extreme – High Pressure Lockout For 4 Hours
84	Infinity/Evolution ODU Single Capacity - High Pressure Lockout 4 Hours
85	Infinity/Evolution ODU Two Capacity - Low Contactor Open
85	18VS,19VS/V-HP/AC – Fan Inverter Temp Lockout
85	GeoHP (Two Capacity) - Condensate Overflow (GC only)
85	Greenspeed/Extreme – Compressor Temp Lockout
86	Infinity/Evolution ODU Two Capacity - Low Contactor Closed
86	18VS,19VS/V-HP/AC – Fan Inverter Current Lockout
86	GeoHP (Two Capacity) - Freeze Sensor Lockout
86	Greenspeed/Extreme – Compressor Temp Sensor Fault
87	Infinity/Evolution ODU Two Capacity - High Contactor Open
88	18VS,19VS/V-HP/AC – Compressor / Inverter Lockout
88	Greenspeed/Extreme – Inverter Temp Lockout
88	Infinity/Evolution ODU Two Capacity - High Contactor Closed
89	Infinity/Evolution ODU Two Capacity - Start Capacitor/ Relay Failed

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89	18VS,19VS/V-HP/AC – Comp Inverter Over Current Lockout (2015 and earlier)
91	Greenspeed/Extreme - Inverter VDC-Out Over Voltage Event
91	18VS,19VS/V-HP/AC – Inverter VDC-Out Over Voltage Event (2016 - not sent to wall control)
92	Greenspeed/Extreme - Inverter VDC-Out Under Voltage Event
92	18VS,19VS/V-HP/AC – Inverter VDC-Out Under Voltage Event (2016 - not sent to wall control)
93	Greenspeed/Extreme - 230VAC Under Voltage Event
93	18VS,19VS/V-HP/AC – 230VAC Under Voltage Event (2016 - not sent to wall control)
94	Greenspeed/Extreme - 230VAC Over Voltage Event
94	18VS,19VS/V-HP/AC – 230VAC Over Voltage Event (2016 - not sent to wall control)
95	Greenspeed/Extreme – High Current Lockout
95	18VS,19VS/V-HP/AC – Compressor Over Current Lockout
96	Greenspeed/Extreme – VDC Under Voltage Lockout
96	18VS,19VS/V-HP/AC- VDC Under Voltage Lockout
97	Greenspeed/Extreme – VDC Over Voltage Lockout
97	18VS,19VS/V-HP/AC- VDC Over Voltage Lockout
98	Greenspeed/Extreme - High Torque Event
98	18VS,19VS/V-HP/AC – High Torque Event (2016 - not sent to wall control)
99	Greenspeed/Extreme – High Torque Lockout
99	18VS,19VS/V-HP/AC – High Torque Lockout
100	Wall Control– Duct Cal: Zone X Damper Stuck/Miswired (Zoning Calibration: Damper stuck or miswired)
101	Wall Control– Duct Cal: All Closed Failure (Zoning Calibration: "All Dampers Closed" check failed)
102	Wall Control– Duct Cal: Total Size Failure (Zoning Calibration: "Total Size Calculation" check failed)
103	Low Indoor Temperature Alert: Zone 1 Allowing Aux Heat
104	Low Indoor Temperature Alert: Zone 2 Allowing Aux Heat
105	Low Indoor Temperature Alert: Zone 3 Allowing Aux Heat
106	Low Indoor Temperature Alert: Zone 4 Allowing Aux Heat
107	Low Indoor Temperature Alert: Zone 5 Allowing Aux Heat
108	Low Indoor Temperature Alert: Zone 6 Allowing Aux Heat

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109	Low Indoor Temperature Alert: Zone 7 Allowing Aux Heat
110	Low Indoor Temperature Alert: Zone 8 Allowing Aux Heat
128	Low Pressure Switch Open
129	High Pressure Switch Open
130	Outdoor Air Temp Sensor Fault
131	Coil Temp Sensor Fault
132	Temp Sensor out of Range
133	Contactors Shorted
134	Thermal Cutout in Low Stage
135	Thermal Cutout in High Stage
136	No 240V at Compressor
137	Thermal Lockout in Low Stage
138	Thermal Lockout in High Stage
160	Wall Control – Humidity Sensor Fault
161	Wall Control– Excess Static Press Stagedown
162	Wall Control – Remote Sensor Fault
170	Wall Control – Smart Sensor Zone 1 Comm Fault
171	Wall Control – Smart Sensor Zone 2 Comm Fault
172	Wall Control – Smart Sensor Zone 3 Comm Fault
173	Wall Control – Smart Sensor Zone 4 Comm Fault
174	Wall Control – Smart Sensor Zone 5 Comm Fault
175	Wall Control – Smart Sensor Zone 6 Comm Fault
176	Wall Control – Smart Sensor Zone 7 Comm Fault
177	Wall Control – Smart Sensor Zone 8 Comm Fault
178	Wall Control – Indoor Unit Communication Fault
179	Wall Control – Outdoor Communication Fault
180	Wall Control – Zone 1-4 Communication Fault
181	Wall Control – Zone 5-8 Communication Fault
182	Wall Control – NIM Communication Fault
186	Wall Control – SAM Communication Fault
187	Wall Control– Low Room Temp Alert
188	Wall Control– High Room Temp Alert
189	Wall Control– High Humidity Alert
190	Wall Control – Entering Water Temperature Sensor Fault (GeoHP only)

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192	SAM – SAM Radio Test Failed
193	SAM – SAM Profile Failed
194	Wall Control – Possible Frozen Coil
195	Wall Control – Utility Curtailment Event
196	Wall Control – Auxiliary Input (G) Shutdown
198	Wall Control – Auxiliary Input (G) Alert (Can be renamed by home owner in Version -11)
210	Wall Control – Excessive Static Press Encountered
211	Wall Control – Zone 1 Airflow Limited Stage Down Occurred
212	Wall Control – Zone 2 Airflow Limited Stage Down Occurred
213	Wall Control – Zone 3 Airflow Limited Stage Down Occurred
214	Wall Control – Zone 4 Airflow Limited Stage Down Occurred
215	Wall Control – Zone 5 Airflow Limited Stage Down Occurred
216	Wall Control – Zone 6 Airflow Limited Stage Down Occurred
217	Wall Control – Zone 7 Airflow Limited Stage Down Occurred
218	Wall Control – Zone 8 Airflow Limited Stage Down Occurred

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