FOR THE PRO

QUICK SERVICE GUIDE
SERVICE MANUAL SUPPLEMENT

iTEC International Technical Excellence Center

Commercial Induced Draft Damper Electronic Ignition D-Series 24 Volt Series-Honeywell Integrated Control / ICON HD

Error Code	Definition	Service Action	Possible Parts Needed
2	Pressure switch failed to open	Verify pressure switch is closed Check for vent restriction	1) Pressure switch
4	Low flame sense signal	Check micro amps Inspect pilot assembly and wires	1) Pilot assembly 2) Control board
6	Flame sensed out of normal sequence	Verify if pilot is present Is gas valve powered by 24V? Inspect pilot for grounding	1) Gas valve 2) Control board 3) Pilot assembly
18	Gas valve fault	Change gas valve	1) Gas valve
23	Flame detected before ignition	Verify if pilot is present Is gas valve powered by 24V? Inspect pilot for grounding	1) Gas valve 2) Control board 3) Pilot assembly
24	Flame detected after heating cycle completes	Verify if pilot is present Is gas valve powered by 24V? Inspect pilot for grounding	1) Gas valve 2) Control board 3) Pilot assembly
29	Pressure switch failed to close	Verify pressure switch is open Check for vent restriction	1) Pressure switch
31	Upper temp sensor-Incorrect reading	Measure resistance of upper sensor	1) Upper temp sensor 2) Control board
32	Lower temp sensor-Incorrect reading	Measure resistance of lower sensor	1) Lower temp sensor 2) Control board
55	Damper safety switch not proved-damper stuck closed	Verify operation, should open/close under its own power	1) Damper
56	Damper stuck open	Verify operation, should open/close under its own power	1) Damper
57	Flame sensor shorted to ground	Inspect flame sensor wire Inspect pilot assembly Inspect pilot shield	1) Pilot assembly 2) Pilot shield 3) Control board
58	Power supply problem (line voltage)	Verify proper supply voltage, grounding/polarity	1) None
59	Line voltage too low or high	Verify dedicated circuit is being used	1) None
61	DC voltage unstable	Verify transformer output is 22-27 Vac	1) Control board 2) Transformer
62	Ignition failure	Verify gas pressure Inspect pilot assembly Test for 24V from Control to Pilot Valve	1) Pilot assembly 2) Control board 3) Gas valve
63	Ignition failure	Verify gas pressure Inspect pilot assembly Test for 24V from control to pilot valve	1) Pilot assembly 2) Control board 3) Gas valve
64	Electronics failure	Check all electrical connections Verify proper supply voltage, grounding, and polarity Eliminate/replace any components that are wet or damaged	1) Control board 2) Display 3) Pilot assembly
65	High water temperature (over 200F)	Measure resistance of upper sensor	1) Upper temp sensor 2) Lower temp sensor 3) Control board

NOTE: If there is no display, check primary/secondary voltage | Before troubleshooting, always verify the following:

- **Gas inlet pressure**
- **Static to dynamic gas pressure drop**
- **No vent restrictions**
- **All wire connections are tight**
- **No grounded wires or missing grounds**
- **No water leaks**

*If serial is at or near this date please contact Technical Support to verify control generation. Always check the manufacture date using the For The Pro® Contractor app or at bradfordwhite.com