

Freshjet 4 & 7 series Error codes

Protection or fault type	Display code	Cause of failure	Recommended Actions
Under voltage protection	P1	Input voltage is below 130V ±5V	Check the voltage supply to the unit
Unit AC over-current protection	P2	Operating AC current exceeds the limit value	1) Check the voltage supply to the unit 2) Check the condenser and/or evaporator fan motors work 3) Check the current draw of the compressor when in operation 4) If it is abnormal, replace the compressor 5) If OK, replace Main-PCBA
Discharge tube overheat protection	P4	The temperature of the compressor discharge tube exceeds the protection value	1) Check the temperature of the discharge tube via the ADB. 2) If it is abnormal, replace the sensor. 3) If it is normal, check the running temperatures for coils. 4) If they are abnormal, check the refrigerant level in the system. 5) If level is abnormal, check for leaks and repair and recharge to correct level.
Evaporator Coil Protection (cooling mode)	P5	Evaporator coil temperature is too low in cooling mode	1) Check the evaporator fan motor works 2) Check the temperature of the Evaporator Coil via the ADB. 3) If it is abnormal, replace the sensor. 4) If it is normal, check the running temperatures for coils. 5) If they are abnormal, check the refrigerant level in the system. 6) If level is abnormal, check for leaks and repair and recharge to correct level.
Condenser Coil Protection (cooling mode)	P6	Condenser coil temperature is too high in cooling mode	1) Check for any blockages or restrictions of air inlet or outlets to condenser 2) Check the condenser fan motor works 3) Check the temperature of the Condenser Coil via the ADB. 4) If it is abnormal, replace the sensor. 5) If it is normal, check the running temperatures for coils. 6) If they are abnormal, check the refrigerant level in the system. 7) If level is abnormal, check for leaks and repair and recharge to correct level.
Evaporator Coil Protection (heating mode)	P7	Evaporator coil temperature is too high in heating mode	1) Check the evaporator fan motor works 2) Check the temperature of the Evaporator Coil via the ADB. 3) If it is abnormal, replace the sensor. 4) If it is normal, check the running temperatures for coils. 5) If they are abnormal, check the refrigerant level in the system. 6) If level is abnormal, check for leaks and repair and recharge to correct level.
Outdoor Temperature Protection	P8	Outdoor environment temperature under 0°C in Cooling mode or over 32°C in Heating mode	1) Check if the unit was accidentally switched into Heating Mode in hot ambient or Cooling in cold ambient. 2) If it was definitely in Cooling Mode, then check the location of the external sensor is correct. 3) If it has been mis-placed then re-fix it (it could come in contact with something hot like the compressor body or pipework and cause the error). 4) If it is located correctly, then check the temperature of the Outdoor Sensor via the ADB. 5) If all OK, then replace the Main-PCB.
Communication failure	E0	Abnormal communication or outdoor power supply inside or outside	1) Check the connection of the communication cable at the Display-PCBA and at the Main-PCBA. 2) If is is loose or damaged repair or replace. 3) If OK, connect a spare Display-PCBA and test. 4) If it is still abnormal, Replace Main-PCBA.
N/A	*EC*		If this error occurs, contact Dometic.
Room temperature sensor fault	E1	Short circuit or open circuit of indoor ambient temperature sensor	1) Check the temperature of the Room Sensor via the ADB. 2) If it is abnormal, replace the sensor.
Evaporator coil temperature sensor fault	E2	Short circuit or open circuit of evaporator coil temperature sensor	1) Check the temperature of the Evaporator Coil via the ADB. 2) If it is abnormal, replace the sensor.
Condenser coil temperature sensor fault	E3	Short circuit or open circuit of condenser coil temperature sensor	1) Check the temperature of the Condenser Coil via the ADB. 2) If it is abnormal, replace the sensor.
LIN-BUS/CI-BUS communication failure	EL	LIN-BUS/CI-BUS communication failure during self-check	1) Check LIN-BUS/CI-BUS connection cable for poor connection or damage 2) If it is loose or damaged, repair or replace 3) Check the RV's master control panel is working & the connection is good 4) If error still present, replace Display-PCBA
Fault of current sensor	EA	No current was sampled by the system	1) When the code displays immediately after turning the system on (hardware fault) 2) Replace the Main-PCBA 3) If code displays after the compressor starts (compressor current draw is lower than 1A and the detecting time is more than 30s when the compressor works at equal or greater than 35Hz) 3) Check refrigerant level in the system. 4) If level is abnormal, check for leaks and repair and recharge to correct level
Outdoor EEPROM fault	EE	Unable to read EEPROM data	Replace Main-PCBA
N/A	*EP*		If this error occurs, contact Dometic.
N/A	*EU*		If this error occurs, contact Dometic.
N/A	*EH*		If this error occurs, contact Dometic.
ADB 8 Beeps Fast, 8 Beeps Slow		The 13pin connector not fixed well (either at MPCBA end or Transfer PCBA end)	1) Check the connector at Main-PCBA and also at the Transfer-PCBA 2) Check for damaged pins on the plug or sockets 3) Repair and/or refix if needed

NOTE: Though "P3" error does not appear in this list, if it appears in the display, and the unit shuts down, it means that there is a problem with the supply voltage. Check generator is of suitable output, good quality and pure sine wave equipped.

Author: Danny Newman June 2024