

7-3 Error Code Definitions and Solutions: Codes [1000 - 1999]

7-3-1 Error Code [1102]

1. Error code definition

Discharge temperature fault

2. Error definition and error detection method

- 1) If the discharge temperature of 120 °C [248°F] or more is detected during the above operation (the first detection), the outdoor unit stops once, turns to anti-restart mode for 3 minutes, and restarts after 3 minutes automatically.
- 2) If the discharge temperature of 120° C [248°F] or more is detected again (the second detection) within 30 minutes after the second stop of the outdoor unit described above, the mode will be changed to 3 - minute restart mode, then the outdoor unit will restart in 3 minutes.
- 3) If the discharge temperature of 120°C [248°F] or more is detected (the third detection) within 30 minutes after the stop of the outdoor unit described above (regardless of the first or the second stop), the outdoor unit will make an error stop, and the error code "1102" will be displayed.
- 4) If the discharge temperature of 120°C [248°F] or more is detected more than 30 minutes after the previous stop of the outdoor unit, the detection is regarded as the first detection, and the operation described in step 1 above will start.
- 5) For 30 minutes after the stop (the first stop or the second stop) of the outdoor unit, preliminary errors will be displayed on the LED display.

3. Cause, check method and remedy

Cause	Check method and remedy	
(1) Gas leak, gas shortage	Refer to the following page(s).[6-9 Evaluating and Adjusting Refrigerant Charge](page 179)	
(2) Overload operation	Check operating conditions and operation status of indoor/outdoor units.	
(3) LEV failure on the indoor unit	Perform a heating operation and check the operation. Cooling: LEV on the indoor unit LEV1,2,3 SVM1,2 SVA,C Heating: LEV on the indoor unit LEV3 SVB SV4a - 4d Refer to the following page(s). [8-8 Troubleshooting LEV Problems](page 314)	
(4) BC controller LEV malfunction Cooling only : LEV3 Cooling main : LEV1,2,3 Heating only or heating main : LEV3 Defrost : LEV3		
(5) BC controller SVM1 and 2 malfunction → Cooling only or defrost		
(6) BC controller SVA malfunction → Cooling only or cooling main		
(7) BC controller SVB malfunction → Heating only or heating main		
(8) Solenoid valve SV malfunction (4a-4c (P72, P96 models) ,4a-4d (P120, P144, P168 models)) :heating only, heating main		
(9) Port address setting error.		Confirm the port address of the indoor unit.
(10) Closed ball valve		Confirm that the ball valve is fully open.
(11) Outdoor fan (including fan parts) failure, motor failure, or fan controller malfunction Rise in discharge temp. by low pressure drawing for (3) - (11).	Check the fan on the outdoor unit. Refer to the following page(s). [8-7 Troubleshooting Outdoor Unit Fan Problems](page 313)	
(12) Gas leak between low and high pressures (4-way valve failure, Compressor failure, Solenoid valve (SV1a) failure)	Perform a cooling or heating operation and check the operation.	
(13) Thermistor failure (TH4)	Refer to the following page(s). [7-2 Error Codes [5103, 5104, 5105, 5106, 5107]](page 243)	
(14) Input circuit failure on the controller board thermistor	Check the inlet air temperature on the LED monitor.	