

7-5 Error Code Definitions and Solutions: Codes [3000 - 3999]

7-5-1 Error Code [3121]

1. Error code definition

Out-of-range outside air temperature

2. Error definition and error detection method

- When the thermistor temperature of -28°C[-18°F] or below has continuously been detected for 3 minutes during heating operation (during compressor operation), the unit makes an error stop and "3121" appears on the display. (Use the OC thermistor temperature to determine when two outdoor units are in operation.)
- The compressor restarts when the thermistor temperature is -26°C[-15°F] or above (both OC and OS) during error stop. (The error display needs to be canceled by setting the remote controller.)
- Outdoor temperature error is canceled if the units stop during error stop. (The error display needs to be canceled by setting the remote controller.)

3. Cause, check method and remedy

Check the following factors if an error is detected, without drop in the outdoor temperature.

Cause	Check method and remedy
(1) Thermistor failure	Check thermistor resistance.
(2) Pinched lead wire	Check for pinched lead wire.
(3) Torn wire coating	Check for wire coating.
(4) A pin on the male connector is missing or contact failure	Check connector.
(5) Disconnected wire	Check for wire.
(6) Thermistor input circuit failure on the control board	Check the intake temperature of the sensor with the LED monitor. When the temperature is far different from the actual temperature, replace the control board.

<Reference>

Short detection Open detection
 TH7 110 °C [230 °F] and above (0.4 kΩ) -40 °C [-40 °F] and below (130 kΩ)