

## 5 Errors

### 5.1 Error Code Table

Table 5.1: Error code table

Error code	Content
E0	Mode conflict
E1	Communication error between indoor and outdoor units
E2	Indoor ambient temperature sensor error
E3	Indoor heat exchanger mid-point temperature sensor error
E4	Indoor heat exchanger outlet temperature sensor error
E6	Fan error
E7	EEPROM mismatch
E9	Communication error with wired controller
Eb	Electronic expansion valve error
Ed	Outdoor unit error
EE	Water level error
FE	Indoor unit has not been assigned an address
H4	Communication error between main board and display board
H5	EEPROM of display board damaged
A1	Refrigerant leakage fault
A0	The emergency stop
F7+ repeated address	Repeated indoor units address
U4	MS box self-check failure
F8	MS box Error
FA	Capacity(HP) has not been set

Table 5.2: Error code table of Wall Mounted

Phenomenon	Flash Times	Error code	Content
	1	E0	Mode conflict
	2	E1	Communication error between indoor and outdoor units
	3	E2	Indoor ambient temperature sensor error
	4	E3	Indoor heat exchanger mid-point temperature sensor error
	5	E4	Indoor heat exchanger outlet temperature sensor error
	6	E6	Fan error
	7	E7	EEPROM mismatch
	8	/	/
	1	Eb	Electronic expansion valve error
	2	Ed	Outdoor unit error
	3	EE	Water level error
	4	A0	The emergency stop
	5	A1	Refrigerant leakage fault
	6	FE	Indoor unit has not been assigned an address
	7	FA	Capacity(HP) has not been set
	8	H4	Communication error between indoor unit and panel
	1	U4	MS box self-check failure
	2	F8	MS box Error
	3	F7+ repeated address	Repeated indoor units address

# The 2<sup>nd</sup> Generation AC Series VRF Indoor Units



## 5.2 Impact on Other Units

Table 5.3 shows the impact of an error on one indoor unit on the outdoor units and on the other indoor units in the system. The actual state of the outdoor units and the other indoor units is determined not only by the impacts shown in Table 4.3, but also by any other errors that may have separately arisen on the outdoor units or other indoor units.

Table 4.3: Impact of indoor unit error on outdoor units and on other indoor units

Indoor unit error	Impact on outdoor units	Impact on other indoor units
E0	Minimal impact <sup>1</sup>	No impact
E1	H7 error <sup>2</sup>	Ed error <sup>3</sup>
E2	Minimal impact <sup>4</sup>	No impact
E3	Minimal impact <sup>4</sup>	No impact
E4	Minimal impact <sup>4</sup>	No impact
E6	Minimal impact <sup>4</sup>	No impact
E7	Minimal impact <sup>4</sup>	No impact
E9	No impact	No impact
Eb	Minimal impact <sup>4</sup>	No impact
Ed	n/a <sup>5</sup>	n/a <sup>5</sup>
EE	Minimal impact <sup>4</sup>	No impact
FE	H7 error <sup>2</sup>	Ed error <sup>3</sup>
H5	Minimal impact <sup>4</sup>	No impact
H4	Minimal impact <sup>4</sup>	No impact
A1 <sup>6</sup>	No impact	Ed error <sup>3</sup>
A0 <sup>6</sup>	No impact	Ed error <sup>3</sup>
F7+ repeated address <sup>5</sup>	No impact	No impact
U4 <sup>6</sup>	No impact	No impact
F8 <sup>6</sup>	No impact	Ed error <sup>3</sup>
FA	No impact	No impact
H4	Minimal impact <sup>4</sup>	No impact

Notes:

1. The outdoor units continue to operate and ignore the load requirement from the indoor unit that has gone into mode conflict with the outdoor units.
2. Outdoor unit error code H7 indicates that the number of indoor units detected by the master outdoor unit is not the same as the number set on the master outdoor unit's main PCB.
3. Error Ed may not be displayed on the other indoor units. Indoor unit error codes have the following order of priority: A1-A0-FE-F7-E0-E1-E2-E3-E4-E6-E7-Eb-Ed-EE-H4-U4-F8. So if, for example, one unit has an E2 error, it continues to display E2 even if an E1 or FE error occurs on another indoor unit (giving rise to an outdoor unit H7 error) since error Ed is lower in the order of priority than error E2.
4. The outdoor units continue to operate but detect no load requirement from the indoor unit that has experienced an E2, E3, E4, E6, E7, Eb or EE error, and adjust their output accordingly, in the same way as they do when a user puts an indoor unit into standby.
5. An indoor unit Ed error is caused by (and not the cause of) an outdoor unit error. The outdoor units will be displaying their own error code.
6. Only applicable for V6R system.

## 6 Troubleshooting

### 6.1 Warning

**Warning**

- All electrical work must be carried out by competent and suitably qualified, certified and accredited professionals and in accordance with all applicable legislation (all national, local and other laws, standards, codes, rules, regulations and other legislation that apply in a given situation).
- Power-off the unit before connecting or disconnecting any connections or wiring, otherwise electric shock (which can cause physical injury or death) may occur or damage to components may occur.

## 1 Error Code Table

Table 6-1.1: Error code table

Error code	Content	Note
C0	Communication fault between main control board and communicate converter board	All models
E2	Communication fault between outdoor unit and indoor units	All models
E4	Outdoor heat exchanger temperature sensor(T3) or outdoor ambient temperature sensor(T4) error	All models
E5	Input voltage protection	All models
E6	DC fan protection	All models
E9	EEPROM Error	All models
E.9.	Compressor parameters mismatch	All models
Eb	E6 fault occurs more than six times in an hour.	All models
EF	PFC fault	All models
EH	Refrigerant radiator temperature sensor fault	All models
EP	Cooling ambient temperature lower than -15°C	All models
F1	DC bus voltage protection	All models
H4	L (L0/L1) fault occurs three times in one hour.	All models
H7	The number of online indoor units have decreased/increased	All models
HF	Indoor unit and outdoor unit program mismatch	All models
L0	IPM module protection	All models
L1	DC bus low voltage protection	All models
L2	DC bus high voltage protection	All models
L3	Other drive errors	All models
L4	MCE malfunction	All models
L5	Zero speed protection	All models
L7	Phase sequence error	All models
L8	Protection for compressor speed change > 15Hz	All models
L9	Protection for the difference between the setting speed and the running speed of the compressor > 15Hz	All models
PL	Radiator surface temperature protection	All models
P1	System high pressure protection	All models
P2	System low pressure protection	All models
P3	Overcurrent protection	All models
P4	Discharge temperature T5 protection	All models
P5	Outdoor condenser temperature T3 protection	All models
P8	Typhoon protection	All models
P9	Poor reversing of four-way valve	All models
PE	IDU evaporator temperature T2 protection	All models