

### 12.1.3 Judgment by Indoor/Outdoor Unit Diagnostics

If the malfunction still exists 4min later after stop of unit due to compressor protection, error code will be directly displayed though indoor display. In other situations, error code can be displayed by pressing LIGHT button 6 times within 4s.

Fault description	2* 7 segments	LEDs blinking (0.5s ON and 0.5s OFF)			Possible Reason
		RUN	COOL	HEAT	
No feedback of indoor motor	H6	11			1. IFAN motor damaged 2. IFAN motor blocked 3. IDU PCB problem
Malfunction protection of jumper cap	C5	15			Poor connection of the jumper on indoor PCB.
Zero-crossing protection (IDU)	U8	17			1. IFAN motor damaged 2. Zero-crossing circuit damaged on IDU PCB
RAT failure	F1		1		1. Sensor connection is not good 2. Sensor was broken or damaged (Refer to Sect 14 to check the sensor value)
ICT failure	F2		2		3. PCB temperature detection circuit has problem

## 12.2 Simple procedures for checking the Main Parts

### 12.2.1 Checking Mains Voltage.

Confirm that the Mains voltage is between 198 and 264 VAC. If Mains voltage is out of this range, abnormal operation of the system is expected. If in range check the Power (Circuit) Breaker and look for broken or loosed cable lugs or wiring mistake(s).

### 12.2.2 Checking Power Input.

If Indoor unit power LED is unlighted, power down the system and check the fuse of the Indoor unit. If the fuse is OK replace the Indoor unit controller. If the fuse has blown, replace the fuse and power up again.

### 12.2.3 Checking the Outdoor Fan Motor.

Run the unit in Cool/Heat/Dry mode (where the OFAN speed is high)

Check the voltage between two terminals( N and 5 ), normal voltage is 220-240VAC.

### 12.2.4 Checking the Compressor.

The compressor is rotary compressor with single-phase power input. It includes two windings of main and auxiliary. Check the resistance of terminal R and C and resistance of terminal S and C. If the windings is open or short, compressor should be replaced.

Pay attention, for the wiring connections, please refer to the wiring diagram and have double confirmation before checking the compressor.

### 12.2.5 Checking the Reverse Valve (RV).

Running in heating mode, check the voltage between two terminals( N and 4 ), normal voltage is 220-240VAC.