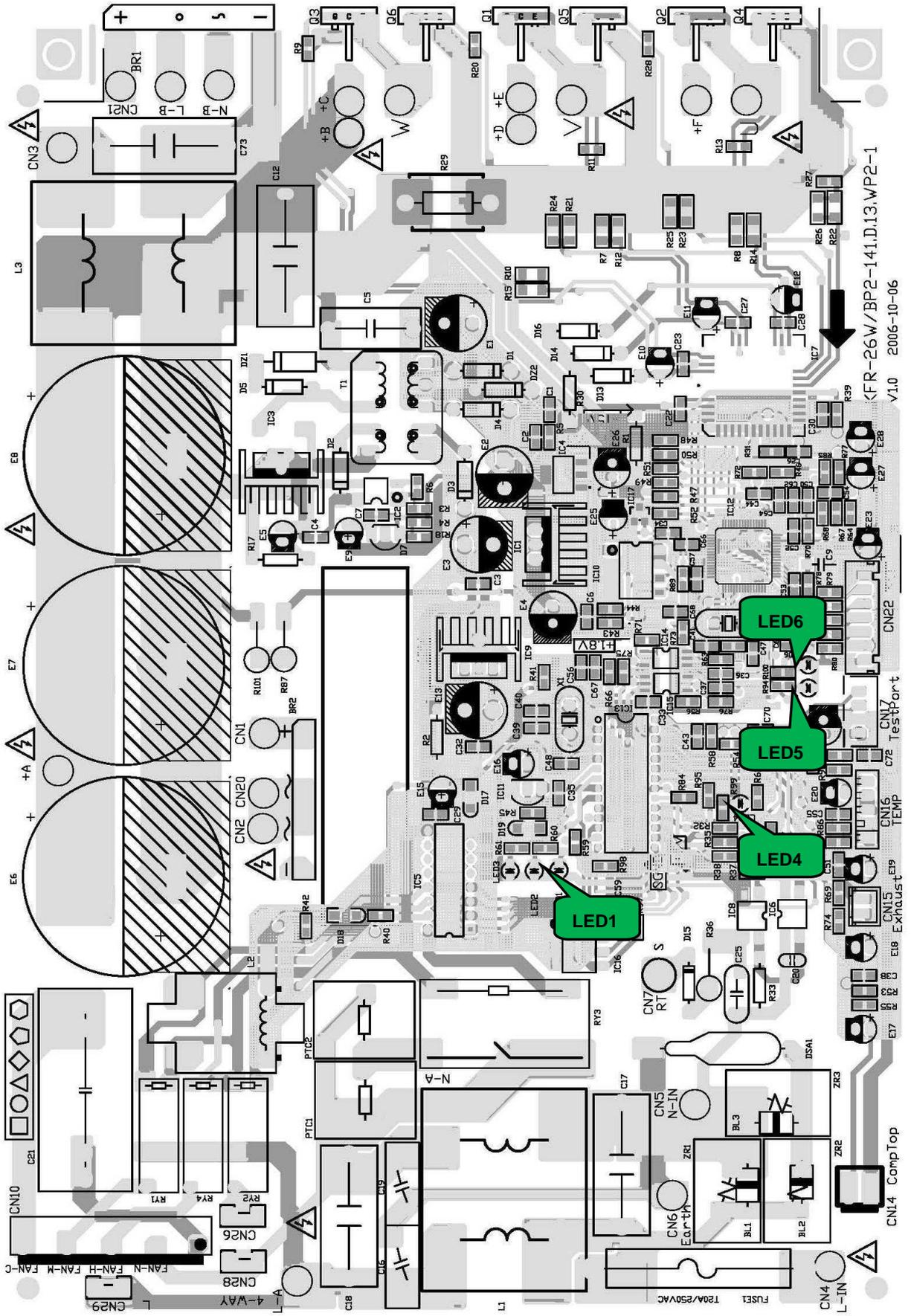


## 10.1 Indoor Unit Error Display

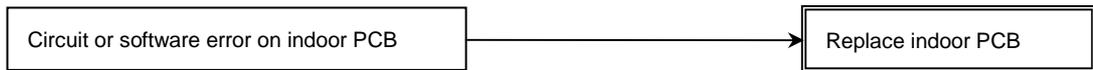
Display	LED STATUS
E0	EEPROM parameter error
E1	Indoor / outdoor units communication protection
E2	Zero-crossing signal error
E3	Fan speed out of control
E5	Open or short circuit of outdoor temperature sensor
E6	Open or short circuit of room or evaporator temperature sensor
P0	IGBT over-strong current protection
P1	Over voltage or too low voltage protection
P2	Temperature protection of compressor top.
P4	Inverter compressor drive error

**Note: E4 & P3: Reserved function**

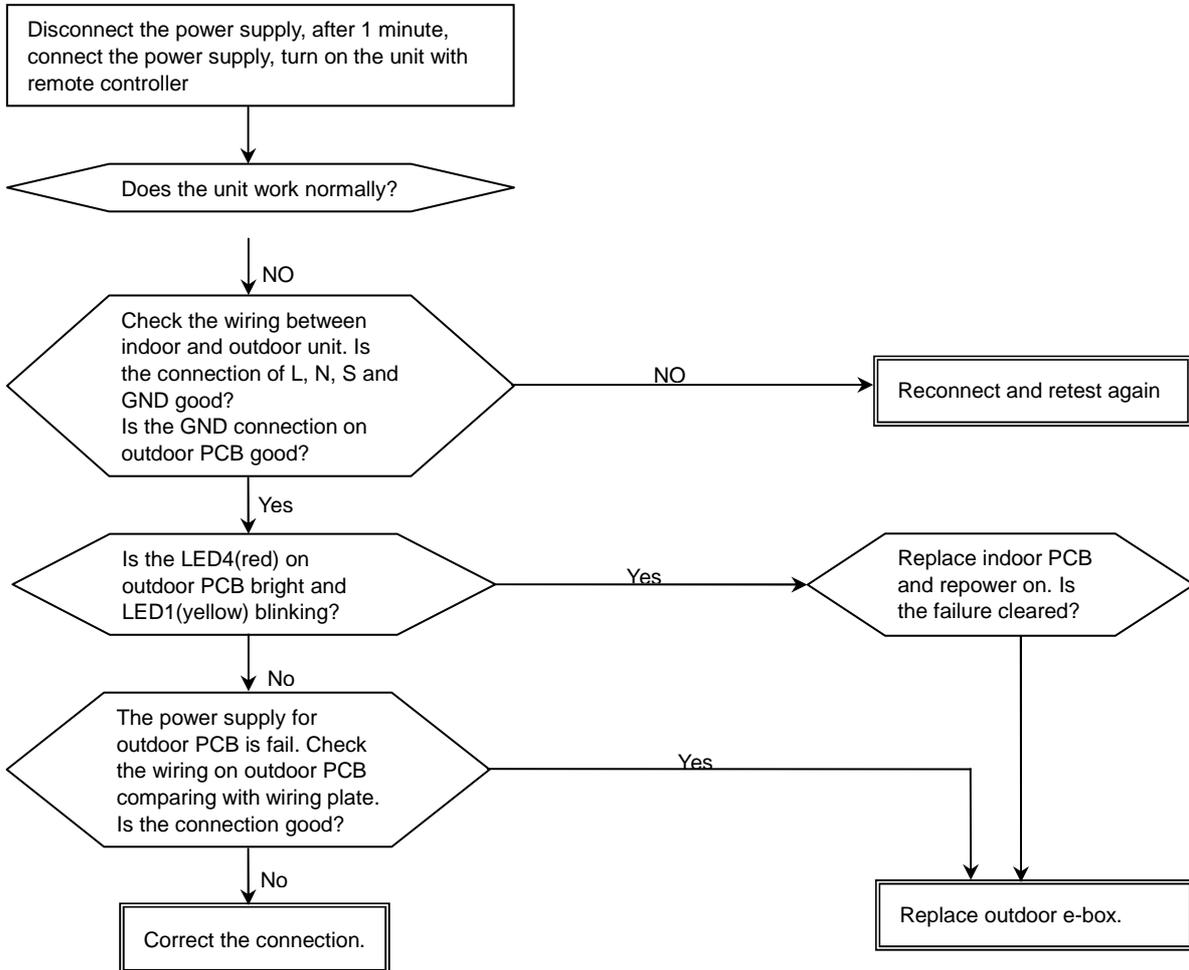


## 10.2 Diagnosis and Solution

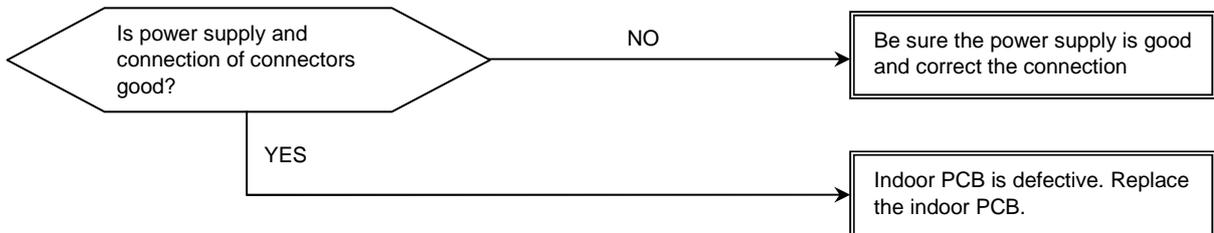
### 10.2.1 E0 (EEPROM parameter error) error diagnosis and solution



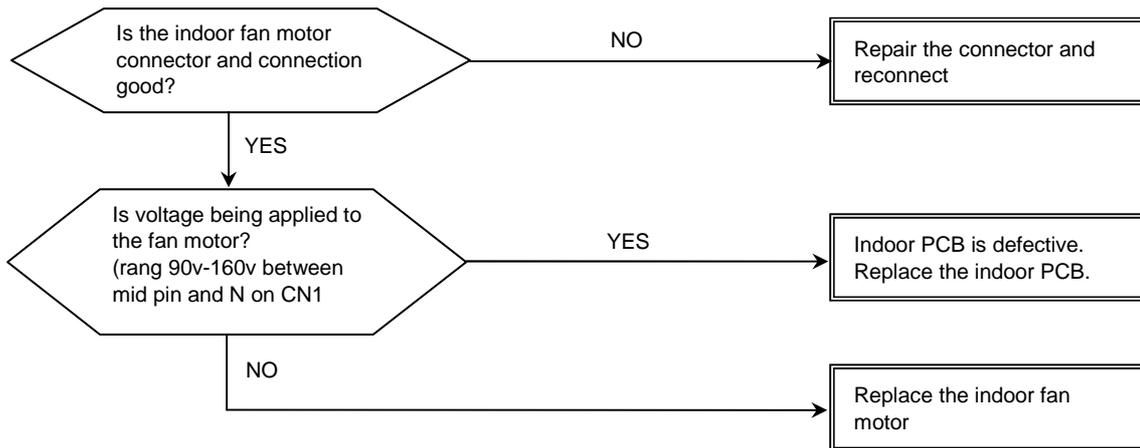
### 10.2.2 E1 (indoor / outdoor units communication protection) error diagnosis and solution



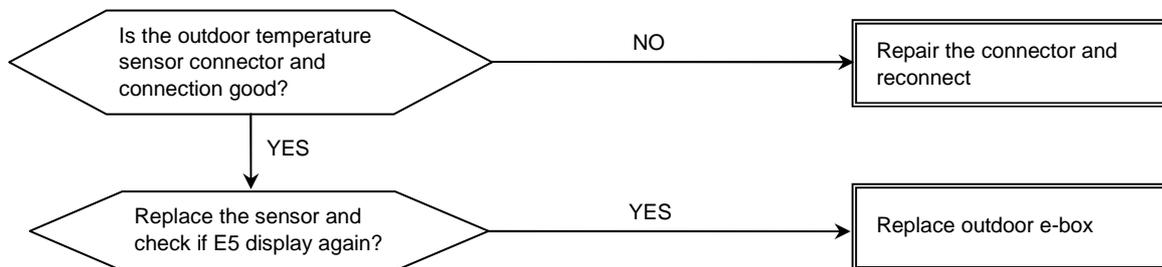
### 10.2.3 E2 (zero-crossing signal error) diagnosis and solution



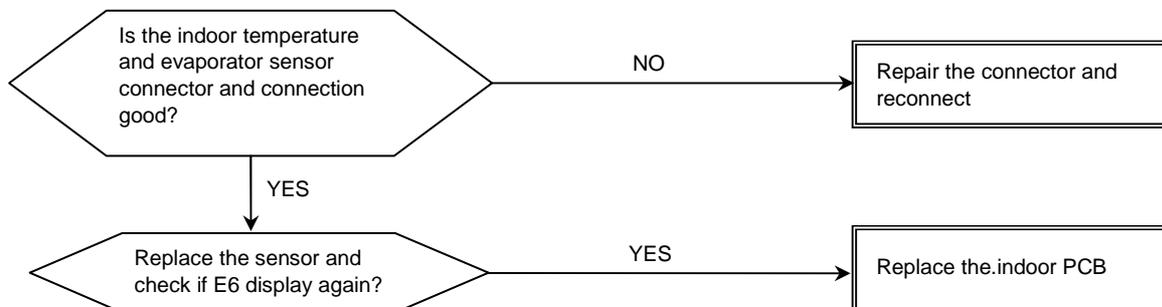
10.2.4 E3 (indoor fan speed out of control) diagnosis and solution



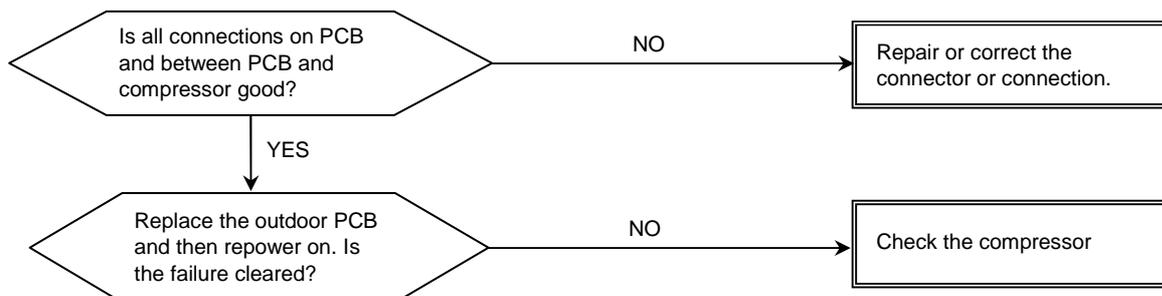
10.2.5 E5 (Open or short circuit of outdoor temperature sensor) diagnosis and solution.



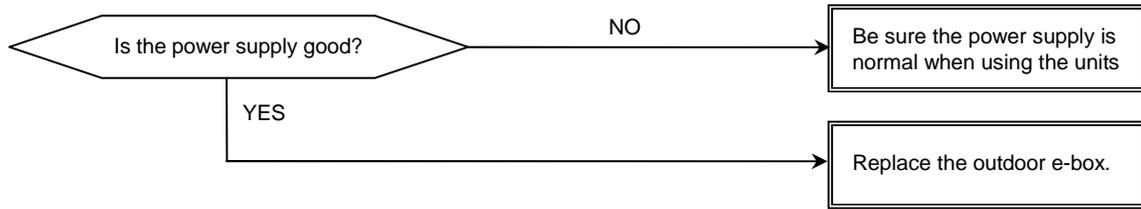
10.2.6 E6 (open or short circuit of room or evaporator temperature sensor) diagnosis and solution.



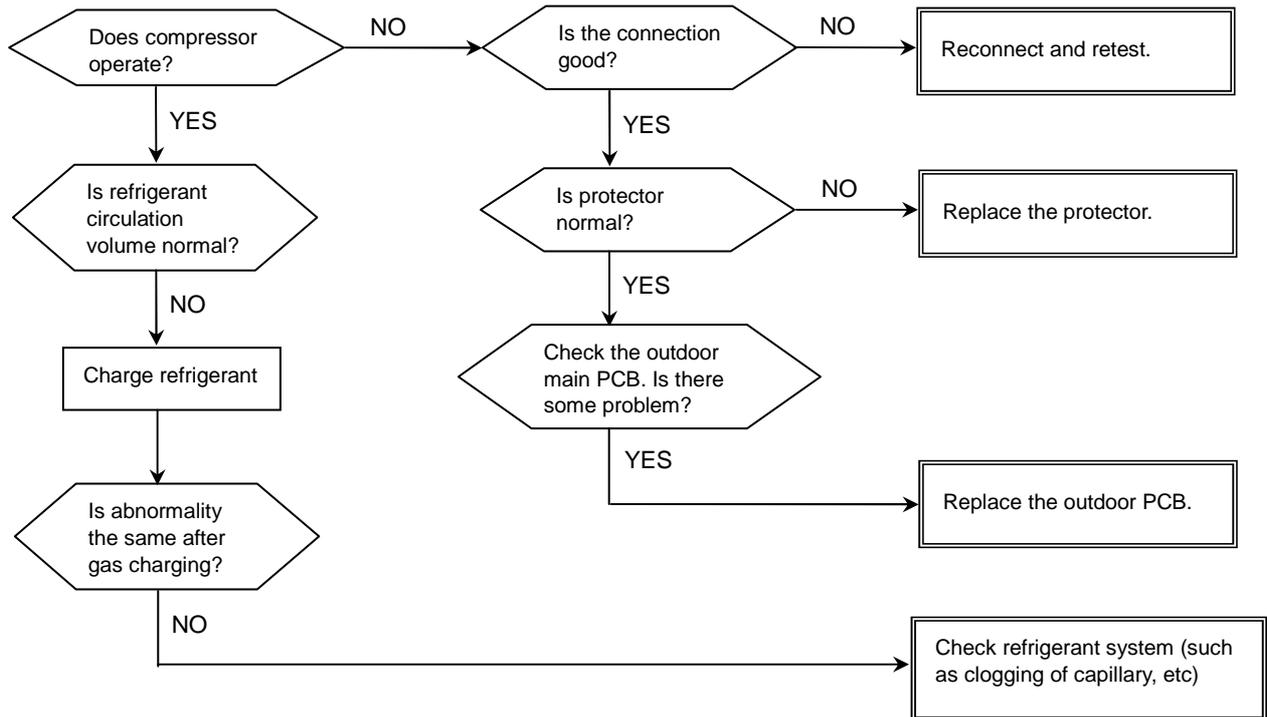
10.2.7 P0 (IGBT over-strong current protection) diagnosis and solution.



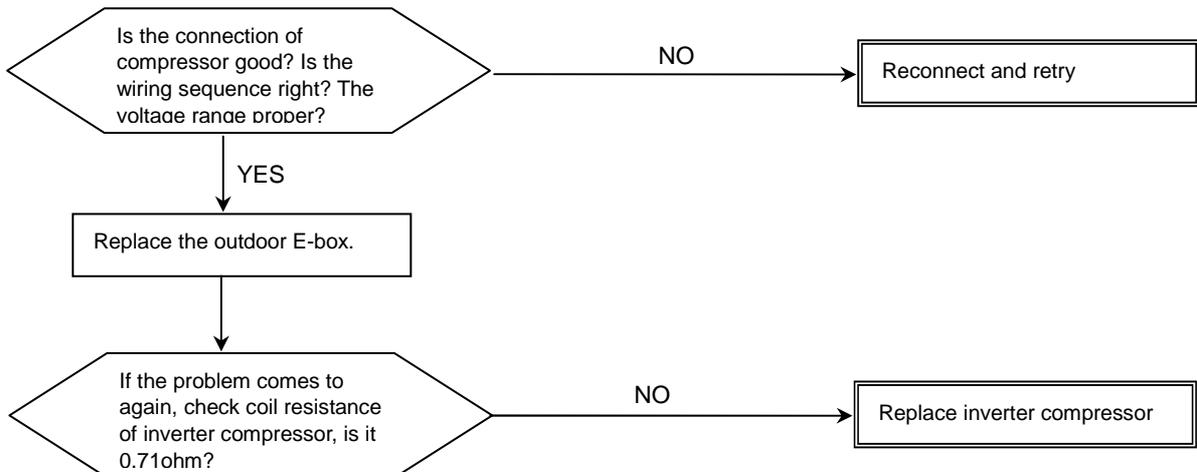
10.2.8 P1(over voltage or too low voltage protection) diagnosis and solution.



10.2.9 P2 (temperature protection of compressor top) diagnosis and solution.



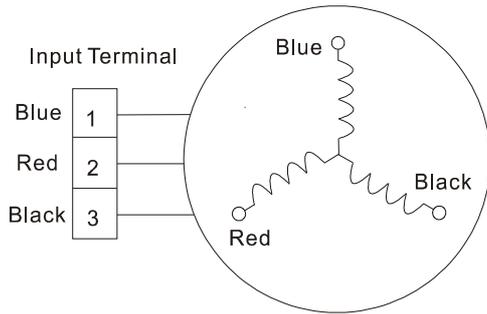
10.2.10 P4 (inverter compressor drive error) diagnosis and solution.



### 10.3 Key parts checking.

#### 10.3.1. Compressor checking (Model: DA108X1C-20FZ3).

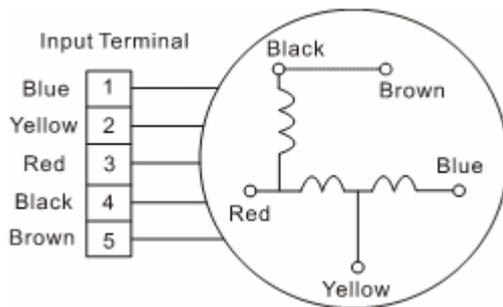
Measure the resistance value of each winding by using the multi-meter.



Position	Resistance Value
Blue - Red	0.71Ω (20℃)
Blue - Black	
Red - Blue	

#### 10.3.2 Outdoor Fan Motor (Model: YDK24-6G).

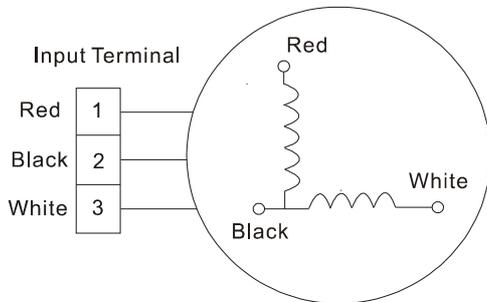
Measure the resistance value of each winding by using the multi-meter.



Position	Resistance Value
Black - Red	435Ω (20℃)
Blue - Red	213Ω (20℃)
Yellow - Blue	138Ω (20℃)

#### 10.3.3 Indoor Fan Motor (Model: RPG20D).

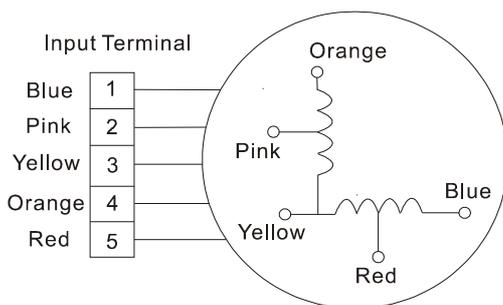
Measure the resistance value of each winding by using the multi-meter.



Position	Resistance Value
Black - Red	415Ω±8% (20℃)
White - Black	290Ω±8% (20℃)

#### 10.3.4 Step Motor (Model: MP2835T).

Measure the resistance value of each winding by using the multi-meter.



Position	Resistance Value
Blue - Red	200Ω±7% (25℃)
Pink - Orange	
Pink - Yellow	
Yellow - Red	

10.3.5 Temperature Sensors.

Room temp.(T1) sensor,

Indoor coil temp.(T2) sensor,

Outdoor coil temp.(T3) sensor,

Outdoor ambient temp.(T4) sensor,

Compressor exhaust temp.(Te) sensor.

Measure the resistance value of each winding by using the multi-meter.

Some frequently-used R-T data for T1,T2,T3 and T4 sensor:

Temperature (°C)	5	10	15	20	25	30	40	50	60
Resistance Value (KΩ)	26.9	20.7	16.1	12.6	10	8	5.2	3.5	2.4

Some frequently-used R-T data for Te sensor:

Temperature (°C)	5	15	25	35	60	70	80	90	100
Resistance Value (KΩ)	141.6	88	56.1	36.6	13.8	9.7	6.9	5	3.7

