

Service manual

Wall Mounted(ECM/PSC)



1. System instructions

1.1 Refrigerant Circuit

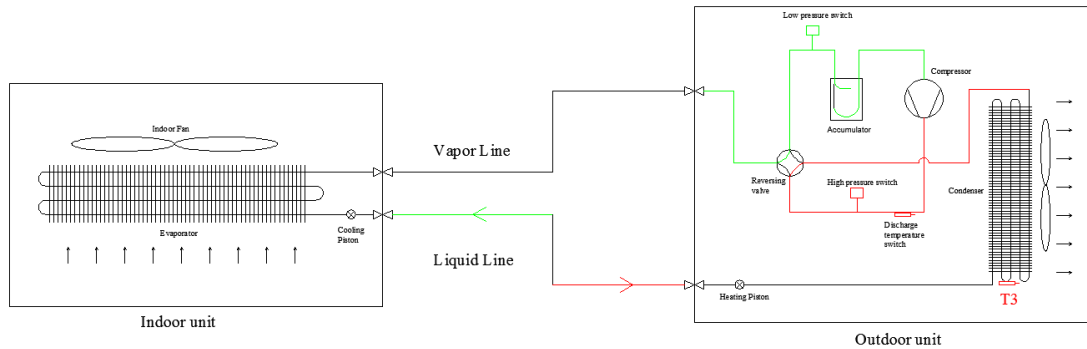


Fig. 1 Refrigerant Circuit

2. PCB Board

PCB Board for PSC unit



3. Wired controller

3.1 Wired Controller: KJR-25B1/BK-E



KJR-25B1/BK-E

3.1.1 Wired controller specifications

Model	KJR-29B1/BK-E
Power Supply Voltage	24V AC
Ambient Humidity Range	RH40%~RH90%

3.1.2 Performance Features

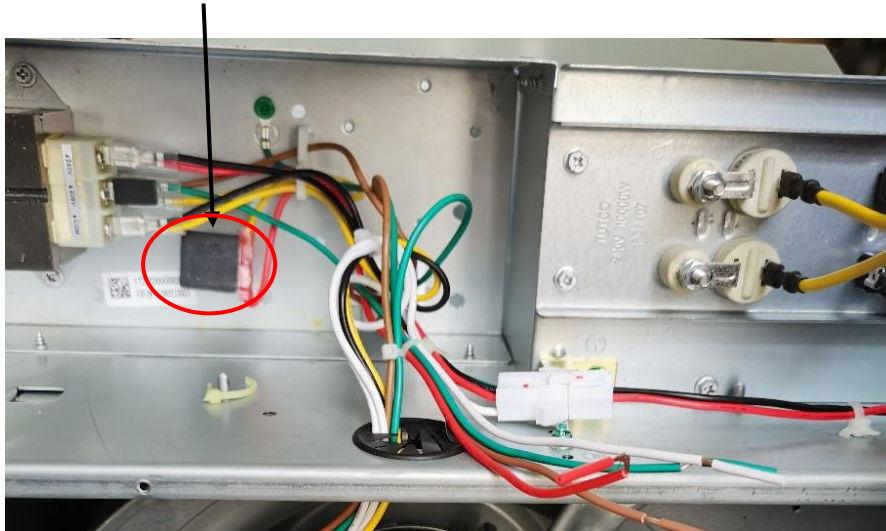
1. Operating mode: Cool, heat, fan and auto.
2. Set the mode through buttons.
3. Indoor setting temperature range: 17°C ~30°C.
4. LCD (Liquid Crystal Display).
5. Easy to installation, connect with indoor unit via the four ports of W1,G, R, C.
6. Remote receiving function.

4. Indoor unit Fuse

When Indoor unit can't operate normally , check the fuse.

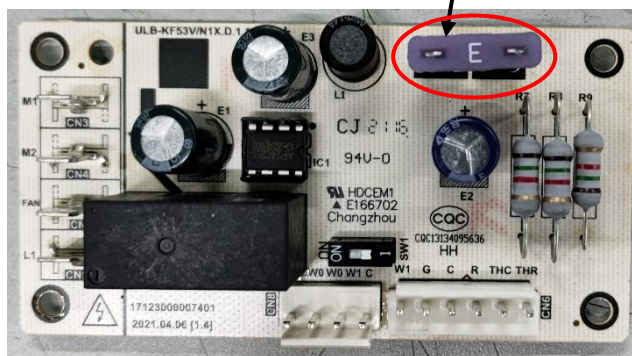
4.1 Fuse for ECM Unit

Fuse (3A)



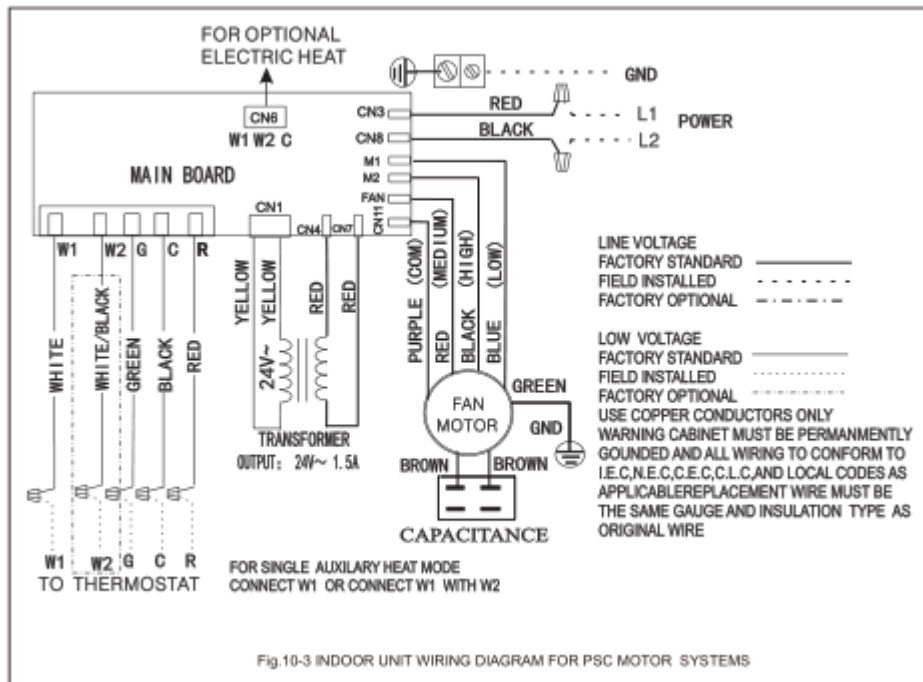
4.2 Fuse for PSC Unit

Fuse (3A)



5. Wiring Diagrams

5.1 For PSC Unit



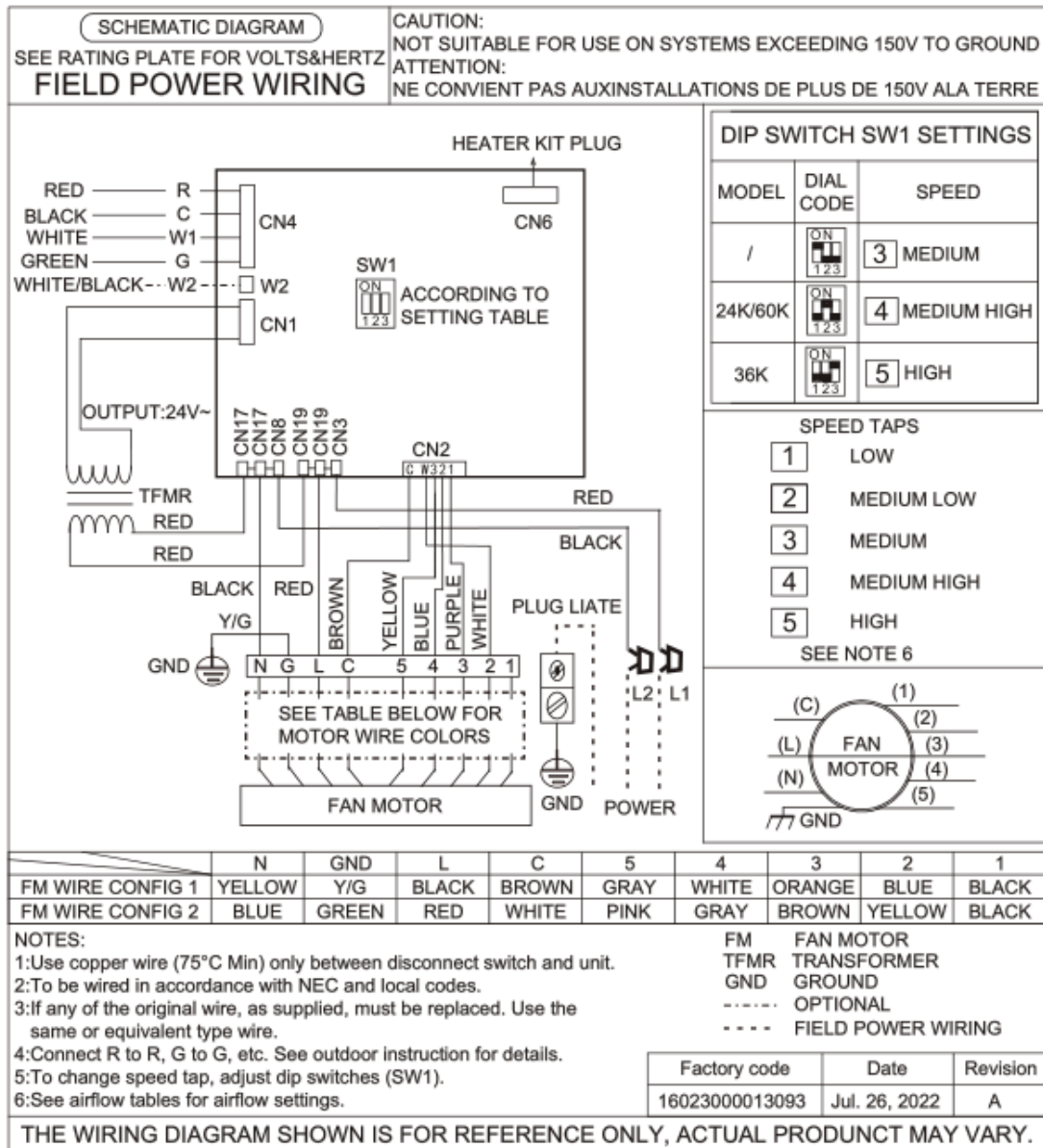
Description of fan speed switch:

1. Default as medium speed of factory settings.
2. High speed wiring: Switch to high speed (black wire) and connect with FAN terminal, while medium speed (red wire) connect with M2 terminal.
3. Low speed wiring: Switch to low speed (blue wire) and connect with FAN terminal, while medium speed (red wire) connect with M1 terminal.

Fan speed \ Terminal			
	Fan	M1	M2
Medium	Red	Blue	Black
High	Black	Blue	Red
Low	Blue	Red	Black

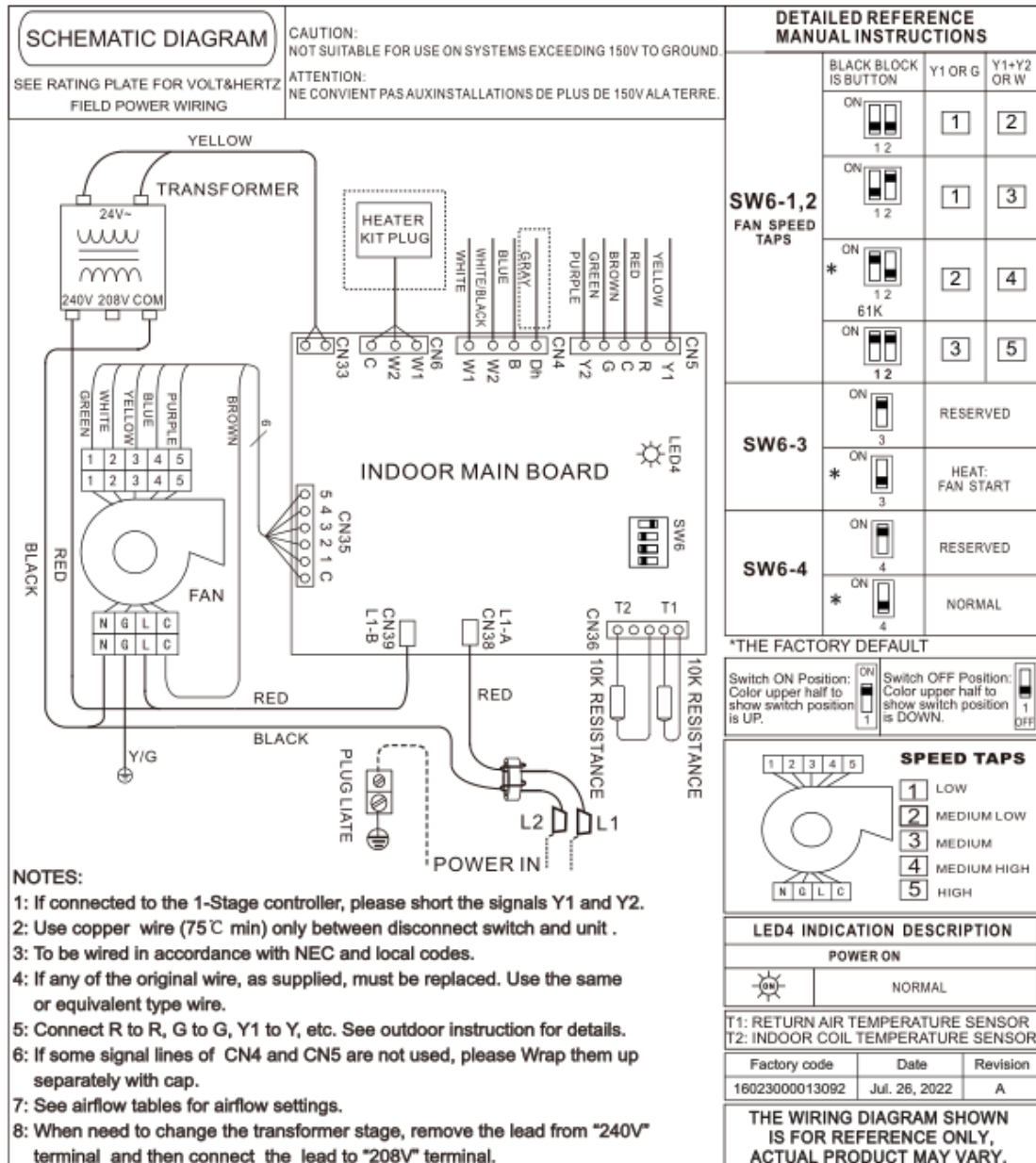
5.2 For ECM Unit t

5.2.1 One-Stage ECM Fan Unit



For ECM Unit, fan speed can be switched by SW1.

5.2.2 Two-Stage ECM Fan Unit



SW6-1,2 FAN SPEED TAPS

BLACK BLOCK IS BUTTON	Y1 OR G	Y1+Y2 OR W
ON 1 2	1	2
ON 1 2	1	3
* ON 1 2 61K	2	4
ON 1 2	3	5

SW6-3

ON 3	RESERVED
* ON 3	HEAT: FAN START

SW6-4

ON 4	RESERVED
* ON 4	NORMAL

***THE FACTORY DEFAULT**

Switch ON Position: Color upper half to show switch position is UP.

Switch OFF Position: Color upper half to show switch position is DOWN.

SPEED TAPS

1	2	3	4	5
LOW	MEDIUM LOW	MEDIUM	MEDIUM HIGH	HIGH

LED4 INDICATION DESCRIPTION

POWER ON
NORMAL

T1: RETURN AIR TEMPERATURE SENSOR
T2: INDOOR COIL TEMPERATURE SENSOR

Factory code	Date	Revision
16023000013092	Jul. 26, 2022	A

THE WIRING DIAGRAM SHOWN IS FOR REFERENCE ONLY, ACTUAL PRODUCT MAY VARY.

For ECM Unit, fan speed can be switched by SW1.