



HIGH WALL SYSTEM QUICK GUIDE





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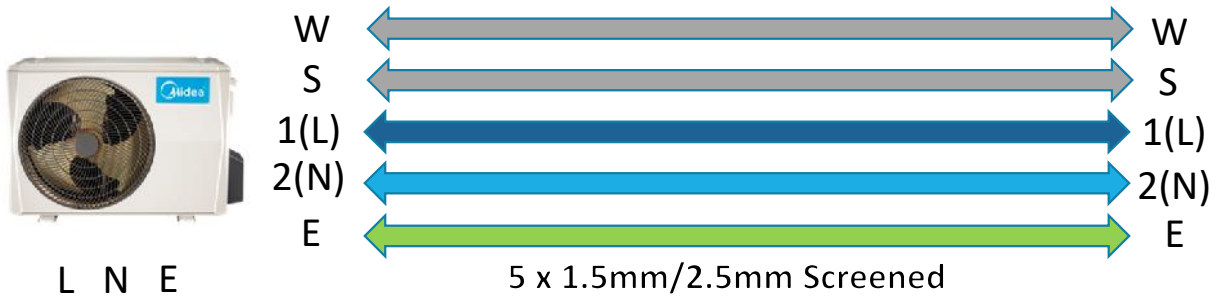


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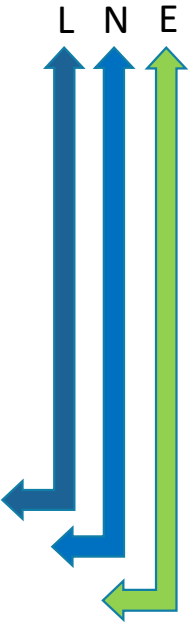




Basic Wiring



3 x 1.5mm/2.5mm
(refer to data tables
For other models)



**Infra-red and Wifi
control as standard**





Dimensions/Pipe and Cable Sizes/Charging

Indoor Model	Outdoor Model	Cooling Duty (kW)	Heating Duty (kW)	Outdoor Dimensions			Outdoor Weight (Kg)	Indoor Dimensions			Indoor Weight(Kg)
				W(mm)	D(mm)	H(mm)		W(mm)	D(mm)	H(mm)	
MA-09NXD0-I	MA-09N8D0-O	3.22	3.37	700	270	550	22.7	805	205	285	7.9
MA-12NXD0-I	MA-12N8D0-O	4.10	4.22	700	270	550	22.7	805	205	285	7.9
MA-18NXD0-I	MA-18N8D0-O	6.14	6.91	800	333	554	34	958	223	302	10.3
MA-24NXD0-I	MA-24N8D0-O	8.25	8.53	845	363	702	51.5	1038	235	325	12.8

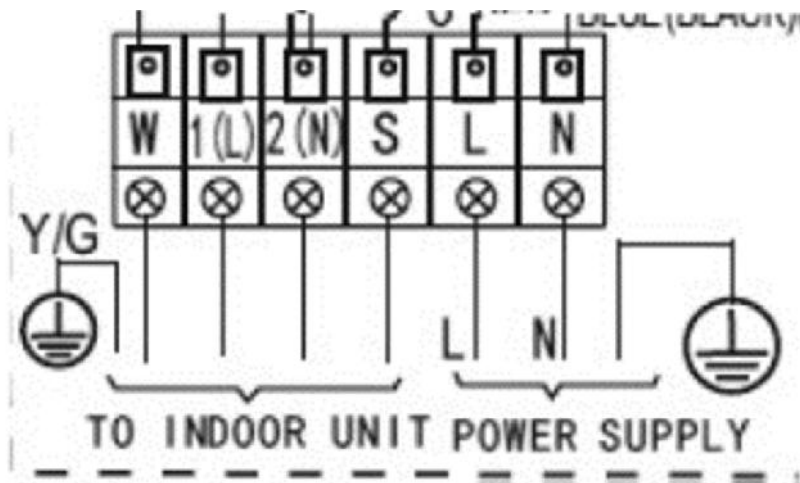
Piping Information					
Model:		09	12	18	24
Liquid Line	Inch	1/4	1/4	1/4	3/8
Gas Line	Inch	3/8	3/8	1/2	5/8
Drain Line	Φ mm	16	16	16	16
Max Length	M	25	25	30	50
Max Height	M	10	10	20	25

Electrical Wiring Information					
Model:		09	12	18	24
Mains Outdoor		3x1.5mm ²		3x2.5mm ²	
Interconnecting/Indoor Power		5x1.5mm ²		5x2.5mm ²	

Power Supply Information					
Model:		09	12	18	24
Outdoor	Ph/A	1/16	1/16	1/16	1/20
Indoor	Powered from Outdoor Unit				

Refrigerant Charging Information					
Model:		09	12	18	24
Pre – Charge	Kg	0.5	0.5	1.0	1.6
Charged to	M	5	5	5	5
Additional	g/m	12	12	12	24
Refrigerant	Type	R32			

Wiring Information – 5 core interconnecting

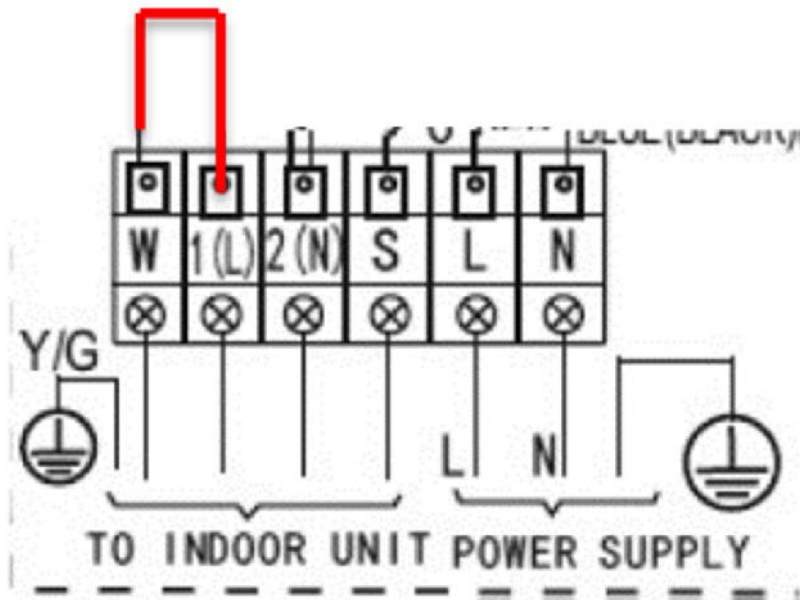


When using a 5 core interconnecting cable the wiring is very simple. Outdoor to Indoor

W to W
 1(L) to 1(L)
 2 (N) to 2 (N)
 S to S
 E to E



Wiring Information – 4 Core Interconnecting



For instances where a 4 core interconnecting is to be used we can bypass the 1W standby relay and power the condenser directly from the mains supply

This reverts the system back to 5W standby power usage, the same as all other manufacturers

To achieve this, when the unit is powered down, we need to move the brown spade connection from the W terminal and replace it onto the spare connection on the 1(L) terminal

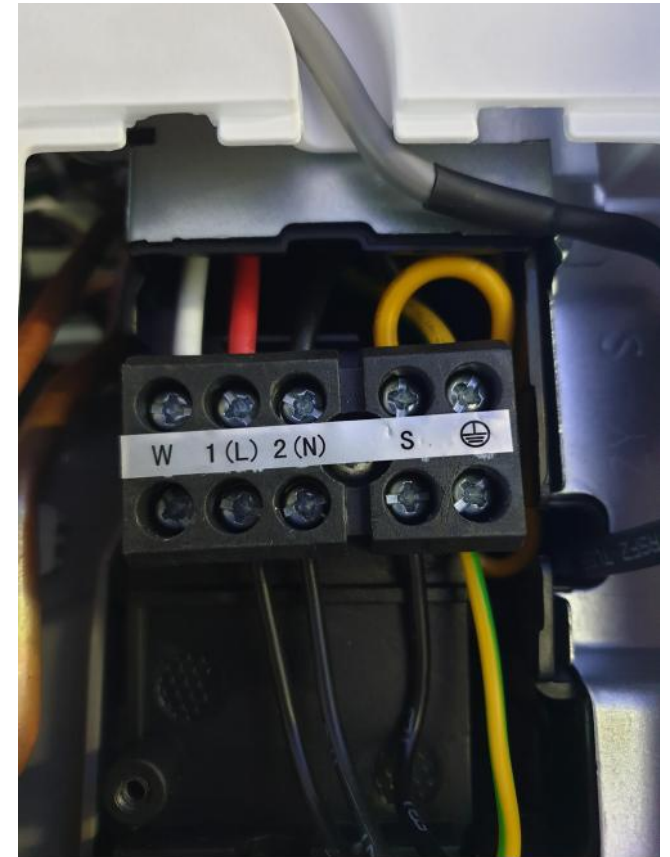
You then wire with a 4 core cable and miss W at both units



Wiring Information – 4 Core interconnecting



How it should look





Wifi & Controller Installation



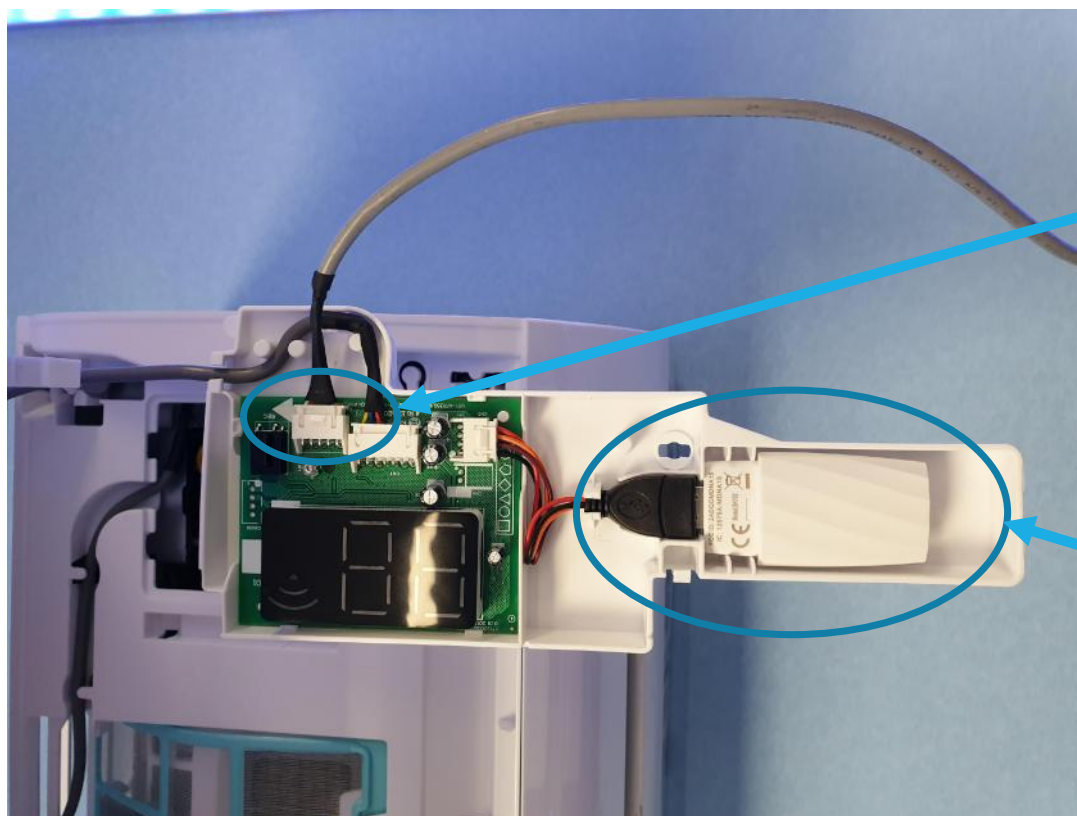
The connections for both the wifi adapter and a hard wired controller are on the display board

To access it, lift up the fascia and remove the screw that is holding it in place

Ease the display board from the fascia holdings and it will hang from the connection made to the indoor pcb



Wifi & Controller Installation

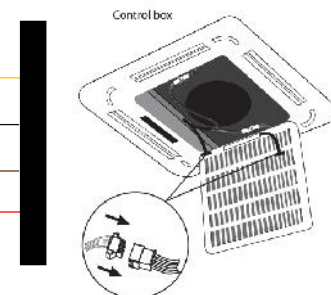
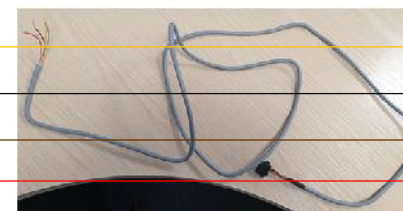


CN2 – KJR29B controller uses an adapter cable to connect to the wall mounted units

CN3 – The wifi dongle plugs into the housing connected to CN3



Installation – Controllers – KJR29B (one to one)



- A – Brown/Blue
- B – Red
- C- Yellow
- D - Black

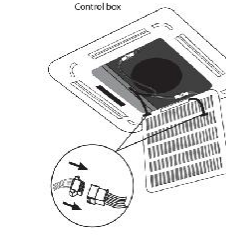
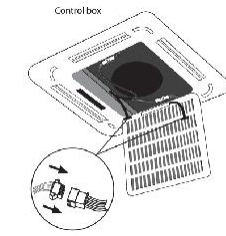
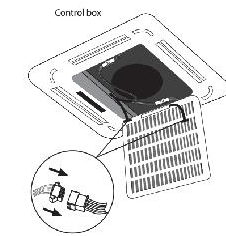
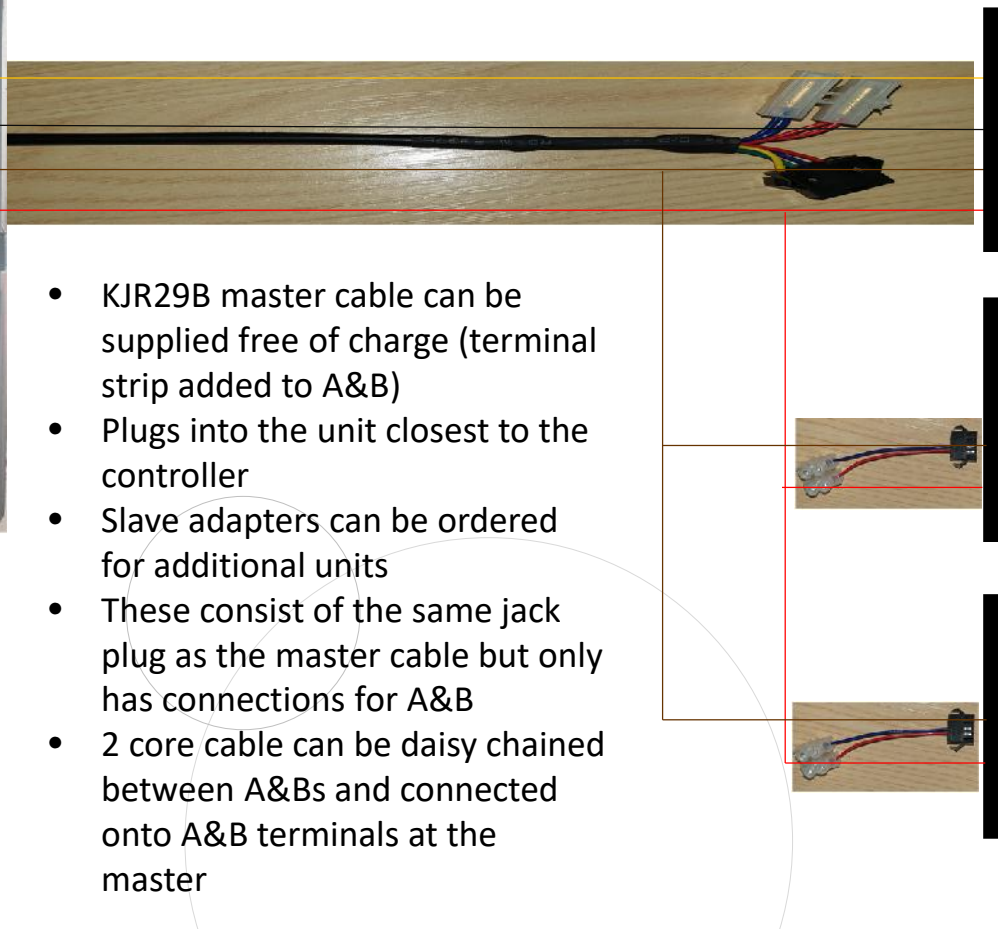
- Comes with a 6m cable
- Jack plugged one side/made off the other
- Jack plugs into fascia/display board
- Other end is made off and wired into the terminals
- A&B – Comms
- C&D – 5v Power

Installation – Controllers – KJR29B (one to many)



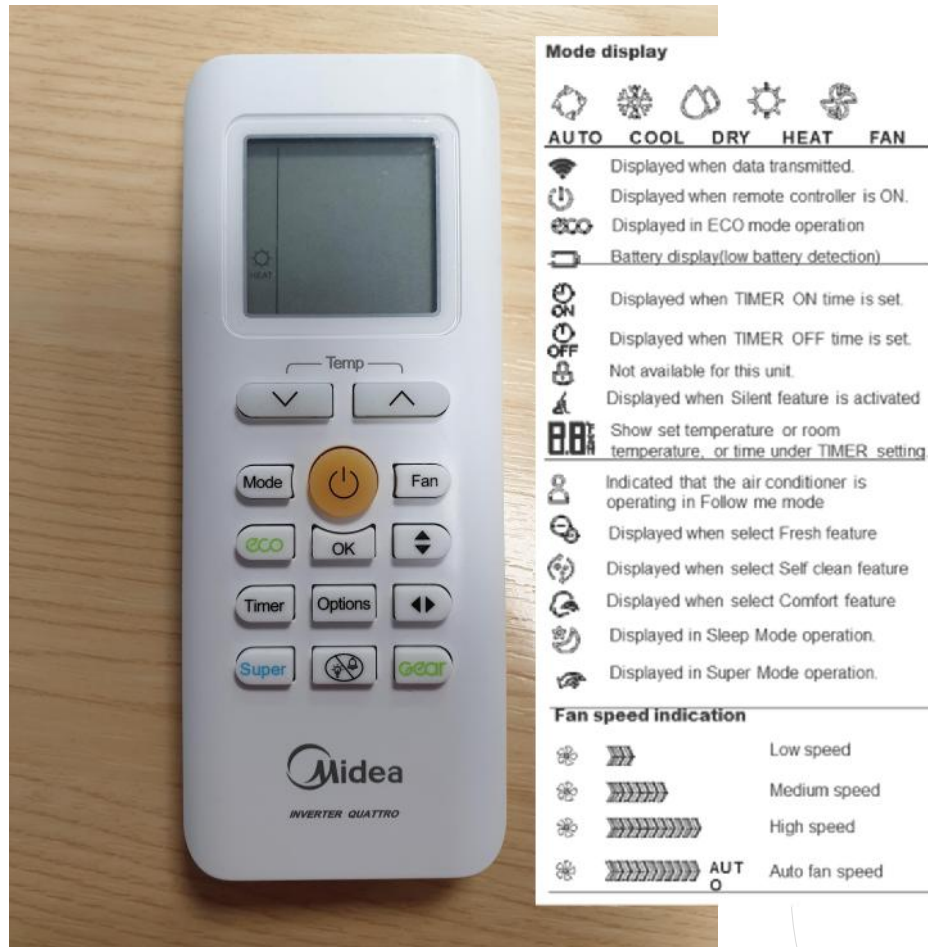
A – Brown/Blue
 B – Red
 C- Yellow
 D - Black

- KJR29B master cable can be supplied free of charge (terminal strip added to A&B)
- Plugs into the unit closest to the controller
- Slave adapters can be ordered for additional units
- These consist of the same jack plug as the master cable but only has connections for A&B
- 2 core cable can be daisy chained between A&Bs and connected onto A&B terminals at the master





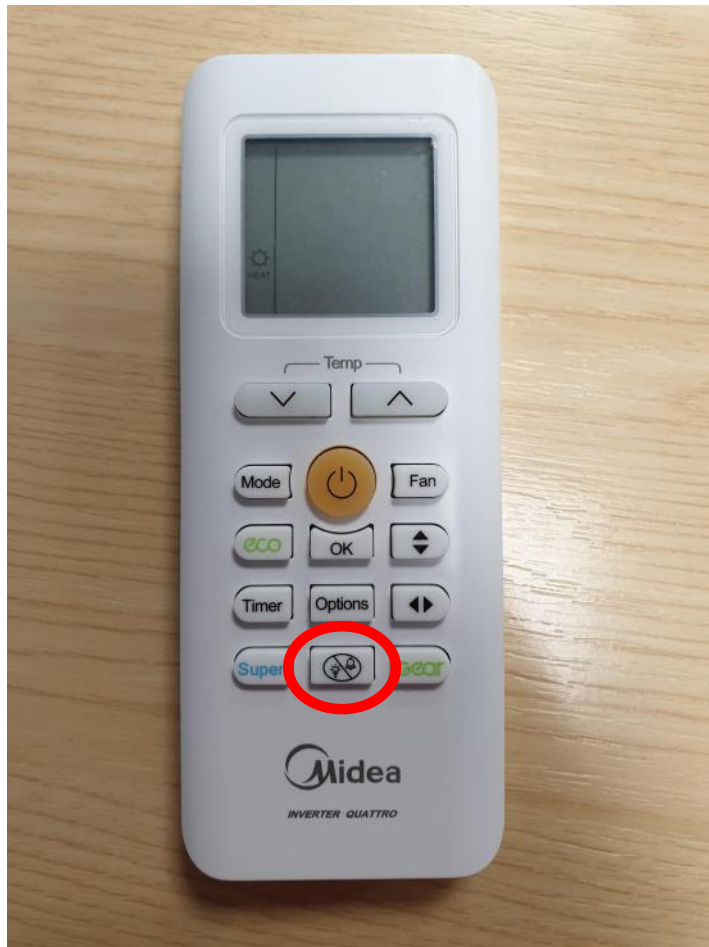
Controllers – Infra red – RG70



1. **On/Off Button** – Press to turn system on & off.
2. **UP Button** – Press to increase set temperature
DOWN Button: Press to decrease set temperature
Note: When the systems operates under heating mode with the set temperature of 17°C, pressing the button continuously twice will activate 8 Degree heating mode. The indoor unit display will show FP.
3. **MODE Button:** Press to select operation mode.
Available options: AUTO, COOL, DRY, HEAT, FAN
4. **ECO Button:** Used to enter the energy efficient mode
5. **Timer Button:** Press to initiate the auto-on/ auto-off time sequence.
6. **Super Button:** Press during cooling operation to set temperature to 17°C at high fan speed for fast cooling. Press under heating operation to set temperature to 30°C, at high fan speed for fast heating.
7. **Do Not Disturb Button:** Press to turn off the indoor display & buzzer, fan speed shifts to low, creating a comfortable and quiet environment. Press again to cancel.
8. **Fan Button:** Press to set Fan speed.
Available options: AUTO, LOW, MED, HIGH
- 9/11. **Swing Button:** Used to stop/ start horizontal louver movement or set the desired up/down air flow direction.
10. **OK Button:** Used to confirm the optional functions.
12. **Options Button:** Press to set function.
Available Options: Fresh, Follow Me, Comfort, Self-Clean
13. **Gear Function:** Press to enter the energy efficient mode
Available Options: 50% / 75% electrical consumption



App Set Up



- Download the Midea Air app from Apple or Google Play store
- Set up account
- Click Add Unit
- Switch the power off to the unit and restart (the procedure must be completed within 8 mins of power on)
- Press the LED button (red circled) 7 times until the unit shows AP on the display
- Follow the instructions on the app





Forced Cooling Mode



Lift up the fascia to reveal the Forced cooling button on the bottom right of the unit, below the wiring terminals

Press the button twice to enter Forced cooling mode

The display will change to FC

The compressor and outdoor fan run at fixed frequency and the indoor fan runs at high speed (80%)

After running for 30 minutes, the system will turn to auto mode with 24°C setting temperature.





Information Enquiry – How to enter



LED BUTTON SWING

Switch the unit on, press the LED button 3 times in quick succession, now press the swing button 3 times (even when the display is off)

After 3 seconds the unit will enter Info Enquiry mode

We can access the system running parameters using this method

Information Enquiry – Data available

Abbreviation	Element
T1	Indoor room temperature
T2	Coil temperature of evaporator
T3	Coil temperature of condenser
T4	Outdoor ambient temperature
TS	Set temperature
TP	Compressor discharge temperature
Tsc	Adjusted setting temperature

Using the LED and swing buttons you can cycle through the items in the table on the right to help with commissioning data and/or fault diagnosis

Displayed code	Explanation	Additional Notes
T1	T1	T1 temperature
T2	T2	T2 temperature
T3	T3	T3 temperature
T4	T4	T4 temperature
TP	TP	TP temperature
Targeted frequency	FT	Targeted Frequency
Actual frequency	TR	Actual Frequency
Compressor current	CL	N/A
Outdoor AC voltage	UC	N/A
Indoor capacity test	SN	N/A
Reserve	--	Running mode
Outdoor fan speed	PR	Outdoor fan speed
EXV opening angle	LR	EXV opening angle
Indoor fan speed	IR	Indoor fan speed
Indoor humidity	HU	N/A
Adjusted setting temperature	TT	N/A
Indoor dust concentrations	DT	N/A
WIFI signal strength	IF	N/A
GA algorithm frequency	GT	N/A