

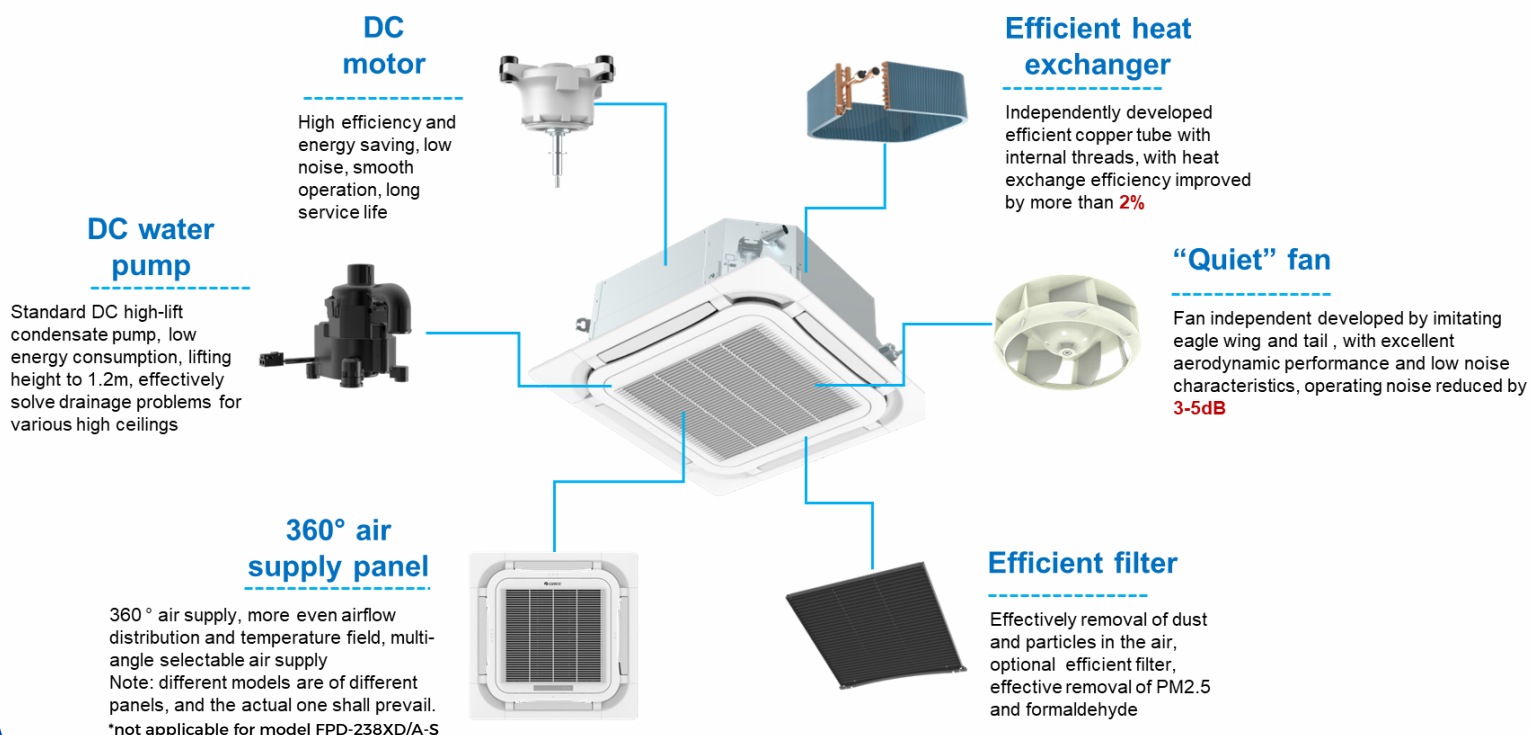
DC Motor Chilled Water Cassette Type Fan Coil



A Series DC Cassette FCU

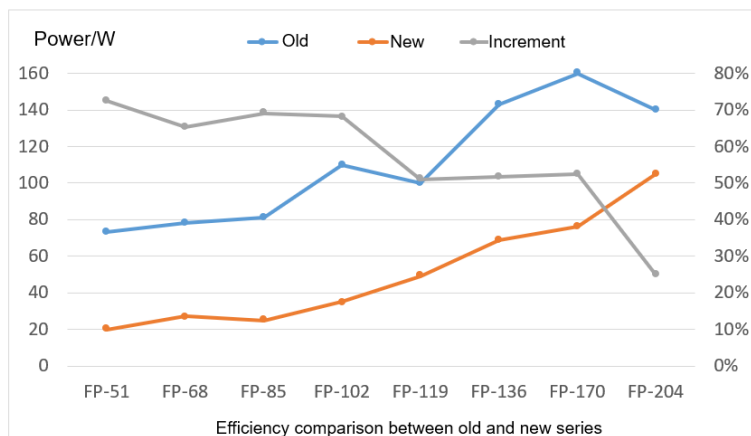
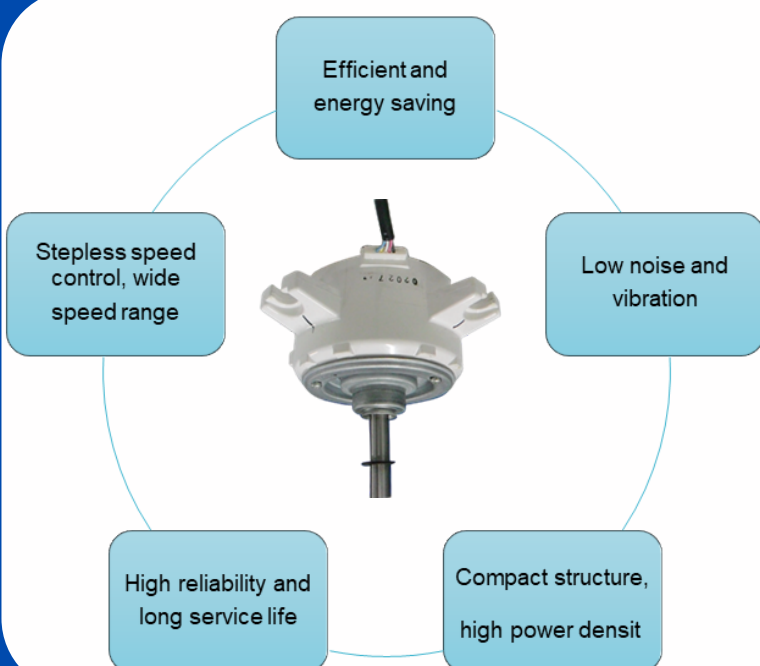


Main Component



Efficient DC Motor

- Compared with AC FCUs, the efficiency of DC brushless FCUs is increased by 57% on average.



Air Supply

360° air supply

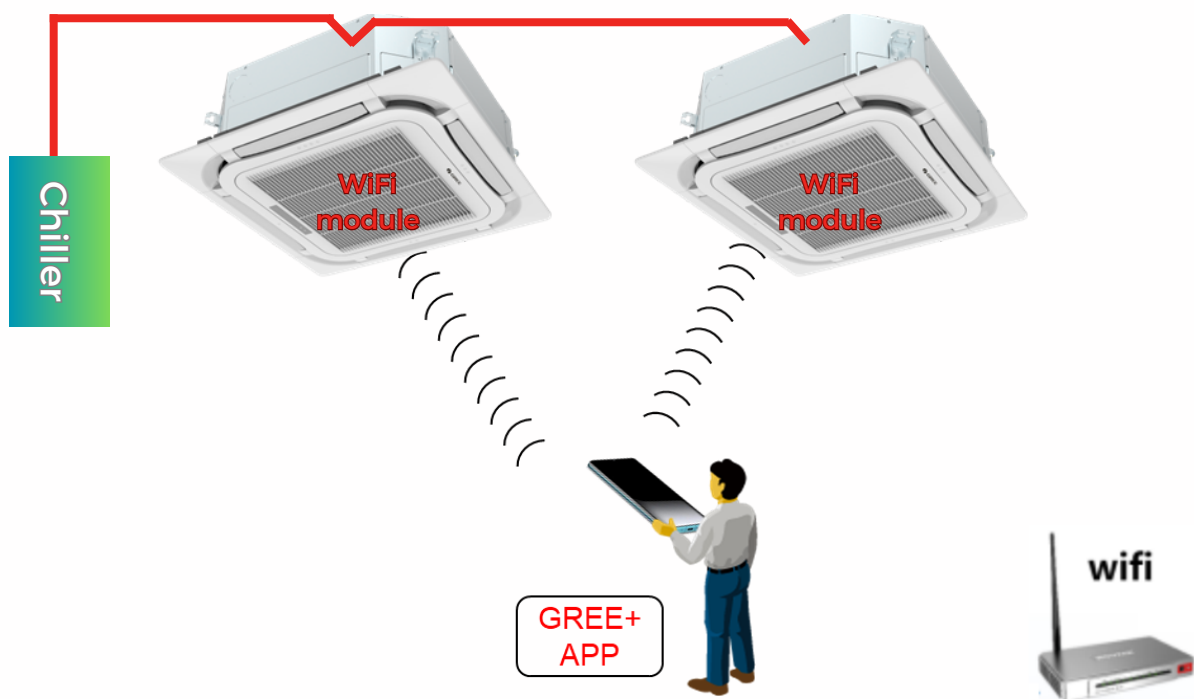


Multi-angle air supply



- 360° air supply, wide air supply range, more uniform airflow distribution and temperature field to effectively solve indoor uneven cold hot air;
- The air guide vane can be independently controlled to achieve multi-angle selectable air supply, avoiding direct air supply, and making air supply more comfortable.
- Not applicable for model FPD-238XD/A-S.

WiFi (Optional)



Specifications

Model			FPD-51XD/A-S	FPD-68XD/A-S	FPD-85XD/A-S	FPD-102XD/A-S	FPD-119XD/A-S
Power system	Type	V-Ph-Hz	220-240V~50/60Hz				
	Input	W	20	27	25	35	49
Air flow volume	High	CFM	324	400	500	600	700
		m3/h	550	680	850	1020	1190
	Medium	CFM	265	318	371	471	542
		m3/h	450	540	630	800	920
	Low	CFM	224	247	306	359	412
		m3/h	380	420	520	610	700
Capacity	Cooling	W	3.4	4.25	5.1	5.7	7.3
	Heating	W	5.6	6.3	8.4	9	11.5
	Cooling water flow volume	l/s	0.16	0.2	0.24	0.27	0.35
	Heating water flow volume	l/s	0.16	0.2	0.24	0.27	0.35
Water system	Cooling pressure drop	kPa	33	39	26	33	30
	Heating pressure drop	kPa	33	39	26	33	30
Sound pressure level		dB(A)	35	40	36	39	43
Coil	Type	-	Aluminum fin-copper tube				
	Operating Pressure	MPa	≤ 1.6MPa				
Motor	Type	-	B-FN30C-ZL		B-FN35C-ZL		
Connection pipe size	Water inlet & outlet	inch	Rc3/4				
	Condensing water drain	mm	25x2.5mm (OD x Wall thickness)				
Outline dimension (WxDxH)	Body	mm	570x570x260		840x840x200		
	Panel	mm	620x620x65		950x950x65		
Net weight	Body	kg	16.5		20		20.5
	Panel	kg	3		6		6
Wireless remote controller			(Standard) YAPIF				
Wired remote controller			(Optional) XE7B-17/E(M)				

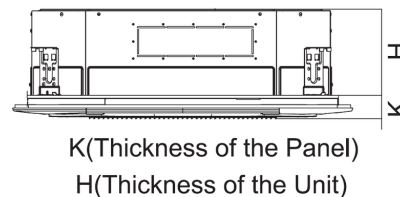
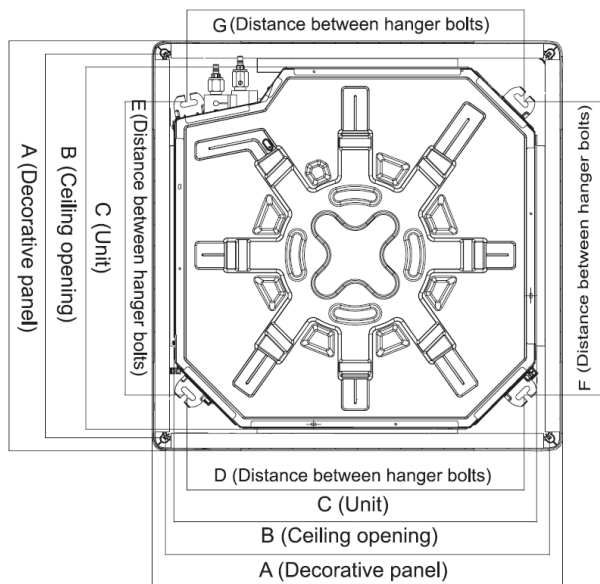
- Testing conditions for models
 - (a) Rated cooling conditions - dry / set bulb temperature: 27°C/19.5°C, entering/leaving water temperature: 7°C/12°C.
 - (b) Rated heating conditions - dry bulb temperature: 21°C, entering water temperature: 60°C, the water flow is the same as that of the cooling condition.
- Noise testing condition: the test condition is a semi-anechoic room, and the nominal value is the high-speed noise of the unit. The actual use changes due to changes of the environment.
- The above specifications are subject to change without prior notice.

Specifications

Model			FPD-136XD/A-S	FDC-170XD/A-S	FPD-204XD/A-S	FPD-238XD/A-S
Power system	Type	V-Ph-Hz	220-240V~50/60Hz			
	Input	W	69	76	105	167
Air flow volume	High	CFM	800	1000	1200	1400
		m3/h	1360	1700	2040	2380
	Medium	CFM	648	748	854	1148
		m3/h	1100	1270	1450	1950
	Low	CFM	477	571	636	942
		m3/h	810	970	1080	1600
Capacity	Cooling	W	8.2	9.6	12	12.5
	Heating	W	13	15.4	18.7	19.8
Water system	Cooling water flow volume	l/s	0.39	0.46	0.57	0.6
	Heating water flow volume	l/s	0.39	0.46	0.57	0.6
	Cooling pressure drop	kPa	32	36	39	53
	Heating pressure drop	kPa	32	36	39	53
Sound pressure level		dB(A)	42	45	48	47
Coil	Type	-	Aluminum fin-copper tube			
	Operating Pressure	MPa	≤1.6MPa			
Motor	Type	-	B-TN60A-ZL	B-TN90A-ZL		FN100A-ZL
Connection pipe size	Water inlet & outlet	inch	Rc3/4			
	Condensing water drain	mm	25x2.5mm (OD x Wall thickness)			
Outline dimension (WxDxH)	Body	mm	840x840x240	840x840x290		910x910x293
	Panel	mm	950x950x65	950x950x65		1040x1040x85
Net weight	Body	kg	21	23.5	24	38
	Panel	kg	6	6	6	7.5
Wireless remote controller			(Standard) YAPIF			
Wired remote controller			(Optional) XE7B-17/E(M)			

- Testing conditions for models
 - (a) Rated cooling conditions - dry / set bulb temperature: 27°C/19.5°C, entering/leaving water temperature: 7°C/12°C.
 - (b) Rated heating conditions - dry bulb temperature: 21°C, entering water temperature: 60°C, the water flow is the same as that of the cooling condition.
- Noise testing condition: the test condition is a semi-anechoic room, and the nominal value is the high-speed noise of the unit. The actual use changes due to changes of the environment.
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Specifications



Model	A	B	C	D	E	F	G	H	K
FPD-51/68XD/A-S	620	580	570	530	505	530	550	260	65
FPD-85/102/119XD/A-S	950	890	840	680	780	680	780	200	65
FPD-136XD/A-S	950	890	840	680	780	680	780	240	65
FPD-170/204XD/A-S	950	890	840	680	780	680	780	290	65
FPD-238XD/A-S	1040	975	910	790	840	790	840	293	85

- The above specifications are subject to change without prior notice.

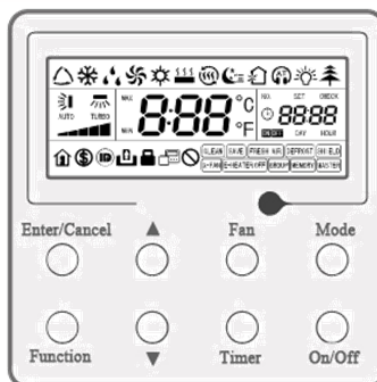
Controller

Fashionable remote controller YAPIF



- Personalized design: fashionable appearance design, reasonable button design;
- Easy operation: fast "Cooling" and "Heating" by the operation of one button;
- Basic functions: "Cooling", "Heating", "Air supplying", "Dehumidification"
- Additional functions: "Sleep", "Timer", "Child lock", "Energy saving", "Backlight", "Drying", "Swing" etc.
- Standard remote controller: standard remote controller with no need of extra purchase.

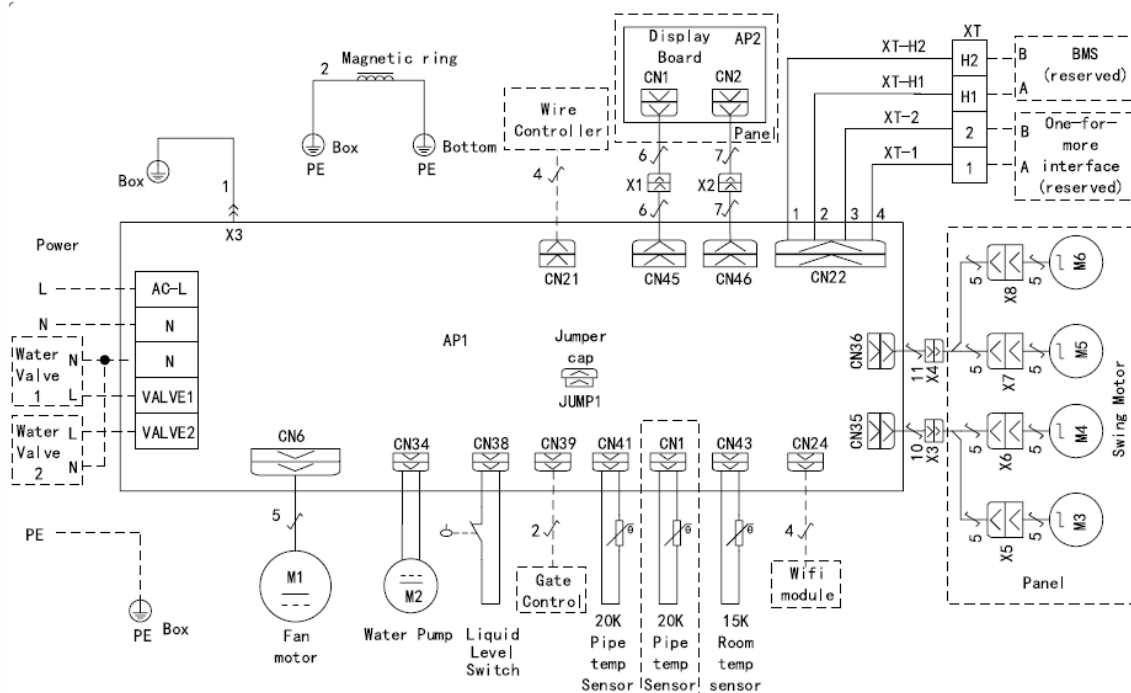
LCD Moisture-proof wired controller XE7B-17/E(M)



- LCD touch: backlit LCD display with large screen and touch control;
- Infrared remote control: a wireless receiving device is configured, which can be controlled by a infrared remote controller;
- Basic functions: "Cooling", "Heating", "Air supplying", "Dehumidification"
- Additional functions: "Sleep", "Timer", "Child lock", "Energy saving", "Backlight", "Drying", "Swing", one-to-more control, etc.
- Group control: one-to-more control, up to 32 FCUs can be controlled at the same time;
- Diverse choices: optional wired controller to meet different customer 's needs;
- Easy installation: it is designed based the size of the #86 box for convenient installation.

Wiring Diagram

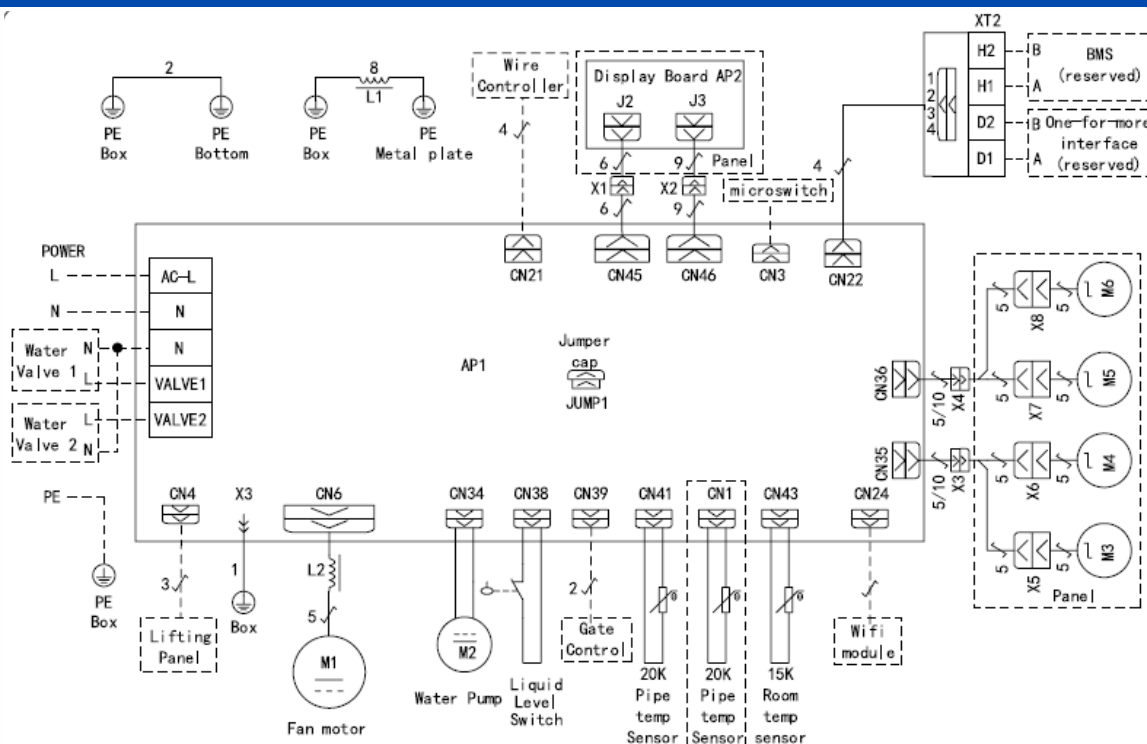
FPD-51XD/A-S ,
FPD-68XD/A-S



Attention:

1. Water valve, wire controller, gate control and WIFI module are optional accessories.
2. The maxiaml capacity of the output signal Valve1 or Valve2 of the water valve is 5A.
3. The broken lines is for field connection.
4. CN1 is connected with 20K temperature sensor/1K resistor according to the actual situation of the unit.
5. When there is only one water valve, use the VALVE1 Terminal.

FPD-85XD/A-S ,
FPD-102XD/A-S ,
FPD-119XD/A-S ,
FPD-136XD/A-S
FPD-170XD/A-S ,
FPD-204XD/A-S

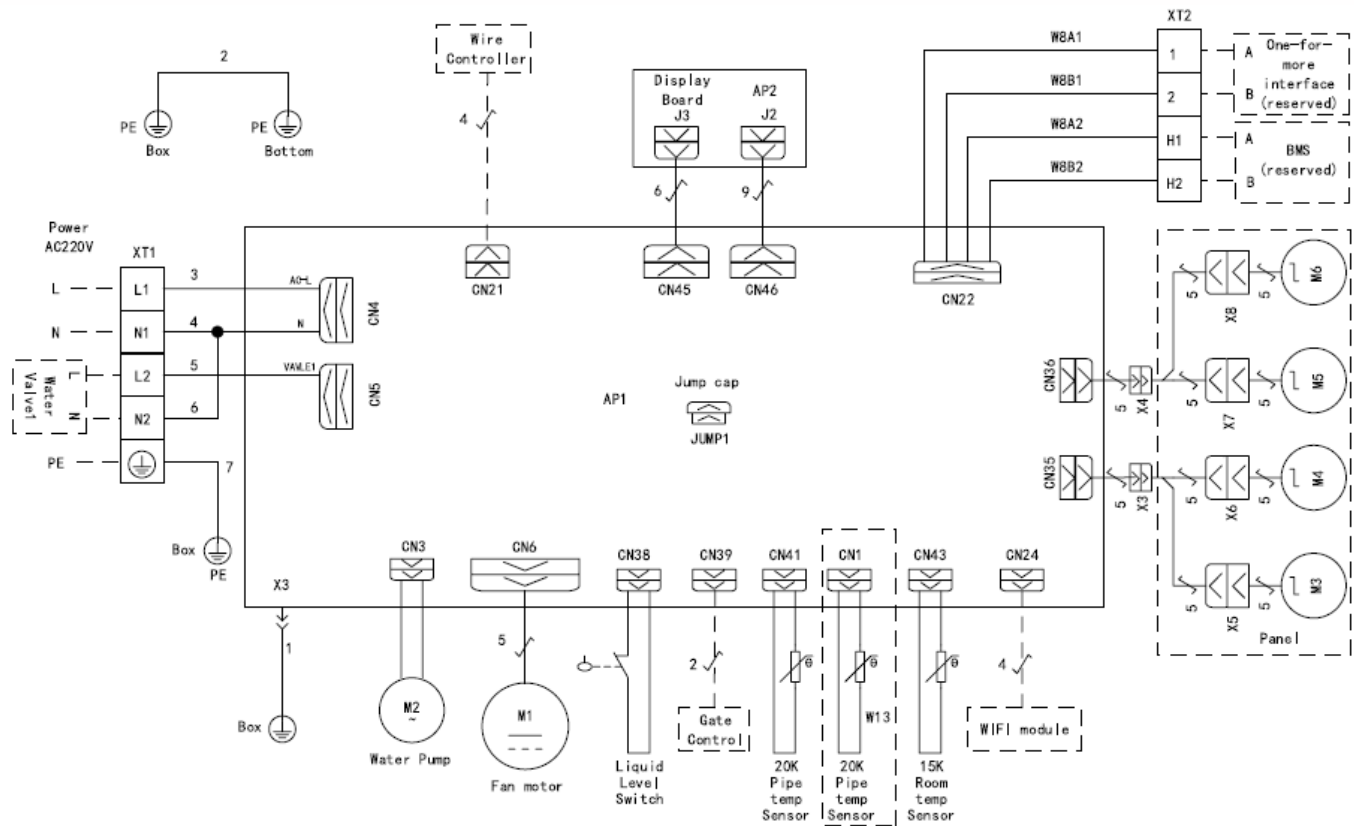


Attention:

1. Water valve, wire controller, gate control , lifting panel, WIFI module are optional accessories.
2. The maxiaml capacity of the output signal Valve1 or Valve2 of the water valve is 5A.
3. The broken lines is for field connection.
4. CN1 is connected with 20K temperature sensor/1K resistor according to the actual situation of the unit.
5. When there is only one water valve, use the VALVE1 Terminal.
6. CN35 and CN36 are used for 5 core wire or 10 core wire, please refer to the actual use.

Wiring Diagram

FPD-238XD/A-S



Note:

1. The wiring of the motor shall be based on the actual situation.
2. Water valve, wired controller, access control, and WIFI module are optional accessories and need to be provided by the customer.
3. Dashed lines are for engineering wiring.
4. At CN1, four-pipe models connect to a 20K temperature sensor; two pipe models need to connect to a 1K resistor.

Contact Us

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