

4-Way Chilled Water Cassette Unit

Model: FWC 003~015

Airflow: 300~1500cfm



Nomenclature

	<u>F</u>	<u>W</u>	<u>C</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>2</u>	<u>N</u>	<u>1</u>	<u>1</u>	<u>A</u>	<u>B</u>
	1	2	3	4	5	6	7	8	9	10	11	12
Digit												
1-3	FWC: Chilled Water Cassette Unit (4-Way)											
Digit												
4-6	Nominal Air Flow, CFM											
	003 = 300 CFM											
	004 = 400 CFM											
	005 = 500 CFM											
	006 = 600 CFM											
	008 = 750 CFM											
	009 = 850 CFM											
	010 = 950 CFM											
	012 = 1200 CFM											
	015 = 1500 CFM											
Digit 7	Unit Type											
	2=2-pipe											
	4=4-pipe											
Digit 8	Electric Heater											
	N=None											
	A=E-heater Equipped											
Digit 9	Voltage / Phase / Hertz											
	1=220-240V /1Ph / 50Hz											
	2=220-240V/ 1Ph / 60Hz											
Digit												
10	Thermostat Options											
	A=Remote Controller											
	B=Wall Wired Controller											
Digit												
11	Service Code											
	A=Version A											
Digit												
12	Region											
	B=Export											

General Data / Specifications (50Hz & 60Hz)

2 pipe			003	004	005
Air Volume	High	m ³ /h	510	680	850
		CFM	300	400	500
	Med	m ³ /h	440	580	730
		CFM	260	340	430
	Low	m ³ /h	360	480	600
		CFM	210	280	350
Cooling Capacity (Hi/Med/Lo)		W	3000	3700	4500
Heating Capacity (Hi/Med/Lo)		W	4000	5100	6000
Electrical Auxiliary Heater (EAH)		W	1000	1000	1000
Power Input		W	50	70	95
Noise (Hi/Med/Lo)		dB(A)	36/33/28	42/39/32	45/42/34
Water Flow		l/min	8.7	10.7	12.9
Water Pressure Drop		kPa	14	15	16
Panel	Net Dimension (W×H×D)		mm 647×50×647		
	Net Weight		kg 3		
	Packing Size (W×H×D)		mm 715×123×715		
	Gross Weight		kg 5		
Indoor Unit	Net Dimension (W×H×D)		mm 575×261×575		
	Net Weight (with EAH)		kg 17.5		
	Packing Size (W×H×D)		mm 655×290×655		
	Gross Weight		kg 21.5		
Pipe Connection	Water-inlet pipe		Inch RC3/4"		
	Water-outlet pipe		Inch RC3/4"		
	Drain pipe		mm ODΦ25		

Note:

1. The data is the performance in high speed with relevant static pressure.
2. Cooling Conditions: Entering water 7°C, temperature rise 5°C, entering air 27°C DB/19°CWB.
Heating Conditions: Entering water 50°C, entering air 20°C, same water flow as cooling conditions.
3. Noise is tested in full-anechoic test room.

2 pipe			006	008	009
Air Volume	High	m ³ /h	1000	1250	1400
		CFM	590	740	820
	Med	m ³ /h	850	1060	1190
		CFM	500	620	700
	Low	m ³ /h	720	900	1010
		CFM	420	530	590
Cooling Capacity (Hi/Med/Lo)		W	5700	7000	7270
Heating Capacity (Hi/Med/Lo)		W	9660	11550	12420
Electrical Auxiliary Heater (EAH)		W	2100	2100	2850
Power Input		W	125	130	150
Noise (Hi/Med/Lo)		dB(A)	45/41/36	46/42/37	47/43/38
Water Flow		l/min	16.4	20	20.8
Water Pressure Drop		kPa	23.8	25.2	27
Panel	Net Dimension (W×H×D)	mm	950×45×950		
	Net Weight	kg	6		
	Packing Size (W×H×D)	mm	1035×90×1035		
	Gross Weight	kg	9		
Indoor Unit	Net Dimension (W×H×D)	mm	840×230×840	840×230×840	840×300×840
	Net Weight (without/with EAH)	kg	25/27	25/27	30.5/33
	Packing Size (W×H×D)	mm	900×237×900	900×237×900	900×307×900
	Gross Weight (without/with EAH)	kg	30/32	30/32	36.2/39
Pipe Connection	Water-inlet pipe	Inch	RC3/4"		
	Water-outlet pipe	Inch	RC3/4"		
	Drain pipe	mm	ODΦ32		

Note:

1. The data is the performance in high speed with relevant static pressure.
2. Cooling Conditions: Entering water 7°C, temperature rise 5°C, entering air 27°C DB/19°CWB.
Heating Conditions: Entering water 50°C, entering air 20°C, same water flow as cooling conditions.
3. Noise is tested in full-anechoic test room.

2 pipe			010	012	015
Air Volume	High	m ³ /h	1600	2000	2550
		CFM	940	1180	1500
	Med	m ³ /h	1360	1700	2170
		CFM	800	1000	1280
	Low	m ³ /h	1150	1440	1840
		CFM	680	850	1080
Cooling Capacity (Hi/Med/Lo)		W	8220	10390	12900
Heating Capacity (Hi/Med/Lo)		W	13850	17580	17600
Electrical Auxiliary Heater (EAH)		W	2850	2850	/
Power Input		W	155	190	190
Noise (Hi/Med/Lo)		dB(A)	48/44/39	49/45/40	50/46/41
Water Flow		l/min	23.6	29.8	36.9
Water Pressure Drop		kPa	31.2	44	40
Panel	Net Dimension (W×H×D)	mm	950×45×950		
	Net Weight	kg	6		
	Packing Size (W×H×D)	mm	1035×90×1035		
	Gross Weight	kg	9		
Indoor Unit	Net Dimension (W×H×D)	mm	840×300×840		
	Net Weight (without/with EAH)	kg	30.5/33	30.5/33	35
	Packing Size (W×H×D)	mm	900×307×900		
	Gross Weight (without/with EAH)	kg	36.2/39	36.2/39	41
Pipe Connection	Water-inlet pipe	Inch	RC3/4"		
	Water-outlet pipe	Inch	RC3/4"		
	Drain pipe	mm	ODΦ32		

Note:

1. The data is the performance in high speed with relevant static pressure.
2. Cooling Conditions: Entering water 7°C, temperature rise 5°C, entering air 27°C DB/19°CWB.
Heating Conditions: Entering water 50°C, entering air 20°C, same water flow as cooling conditions.
3. Noise is tested in full-anechoic test room.

4 pipe			003	004	005
Air Volume	High	m ³ /h	510	680	850
		CFM	300	400	500
	Med	m ³ /h	440	580	730
		CFM	260	340	430
	Low	m ³ /h	360	480	600
		CFM	210	280	350
Cooling Capacity		W	2500	2900	3500
Heating Capacity		W	3700	4600	5100
Electrical Auxiliary Heater (EAH)		W	1000	1000	1000
Power Input		W	50	70	95
Noise(Hi/Med/Lo)		dB(A)	36/33/28	42/39/32	45/42/34
Water Flow	Cooling	l/min	7.2	8.4	10
	Heating	l/min	5.3	6.6	7.3
Water Pressure Drop	Cooling	kPa	22	16	24
	Heating	kPa	17	23	27
Panel	Net Dimension (W×H×D)	mm	647×50×647		
	Net Weight	kg	3		
	Packing Size (W×H×D)	mm	715×123×715		
	Gross Weight	kg	5		
Indoor Unit	Net Dimension (W×H×D)	mm	575×261×575		
	Net Weight	kg	17.5		
	Packing Size (W×H×D)	mm	655×290×655		
	Gross Weight	kg	21.5		
Pipe Connection	Water-inlet pipe	Inch	Cold water: G3/4" Hot water: G1/2"		
	Water-outlet pipe	Inch	Cold water: G3/4" Hot water: G1/2"		
	Drain pipe	mm	ODΦ25		

Note: 1. The data is the performance in high speed.

2. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB, 19°CWB.

Heating Conditions: Entering Water 70°C, Entering/leaving temperature difference is 10°C, enter air temperature

20°C

3. Noise level is tested in semi-anechoic room

4 pipe			006	008	009
Air volume	High speed	m ³ /h	1150	1460	1480
		CFM	680	860	870
	Mid speed	m ³ /h	800	1020	1040
		CFM	470	600	610
	Low speed	m ³ /h	690	880	890
		CFM	410	510	520
Cooling capacity		W	5100	5930	6170
Heating capacity		W	6670	7870	8060
Electrical Auxiliary Heater (EAH)		W	2100	2100	2700
Power input		W	170	188	198
Sound level (Hi/Med/Lo)		dB(A)	42/32/26	43/34/28	46/36/30
Cooling	Water flow	l/min	14.6	17	17.7
	Water pressure drop	kPa	15	17	20
Heating	Water flow	l/min	9.6	11.3	11.6
	Water pressure drop	kPa	37	41	39
Pipe Connection	Water-inlet pipe	Inch	Cold water:RC3/4" Hot water:RC1/2"		
	Water-outlet pipe	Inch	Cold water:RC3/4" Hot water:RC1/2"		
	Drain pipe	mm	Φ32		
Body	Net dimension (W×H×D)	mm	840×300×840		
	Packing dimension (W×H×D)	mm	900×307×900		
	Net weight	kg	35		
	Packing weight	kg	41		
Panel	Net dimension (W×H×D)	mm	950×45×950		
	Packing dimension (W×H×D)	mm	1035×90×1035		
	Net weight	kg	6		
	Packing weight	kg	9		

Note:

1. The data is the performance in high speed.
2. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB,19°CWB.
Heating Conditions: Entering Water 70°C, Entering/leaving temperature difference is 10°C,enter air temperature 20°C
3. Noise level is tested in semi-anechoic room

4 pipe			010	012	015
Air volume	High speed	m ³ /h	1720	1860	2100
		CFM	1010	1090	1230
	Mid speed	m ³ /h	1200	1300	1470
		CFM	700	760	860
	Low speed	m ³ /h	1030	1110	1260
		CFM	610	650	740
Cooling capacity		W	6700	9280	10580
Heating capacity		W	8670	11650	12620
Electrical Auxiliary Heater (EAH)		W	2700	2700	/
Power input		W	205	197	234
Sound level (Hi/Med/Lo)		dB(A)	47/38/32	48/40/34	50/42/36
Cooling	Water flow	l/min	19.2	26.6	30.3
	Water pressure drop	kPa	22	32	38
Heating	Water flow	l/min	12.4	16.7	18.1
	Water pressure drop	kPa	42	57	61
Pipe Connection	Water-inlet pipe	Inch	Cold water:RC3/4" Hot water:RC1/2"		
	Water-outlet pipe	Inch	Cold water:RC3/4" Hot water:RC1/2"		
	Drain pipe	mm	Φ32		
Body	Net dimension (W×H×D)	mm	840×300×840		
	Packing dimension (W×H×D)	mm	900×307×900		
	Net weight	kg	35	38	38
	Packing weight	kg	41	44	44
Panel	Net dimension (W×H×D)	mm	950×45×950		
	Packing dimension (W×H×D)	mm	1035×90×1035		
	Net weight	kg	6		
	Packing weight	kg	9		
Control (Wireless remote controller)			R05/BGE		

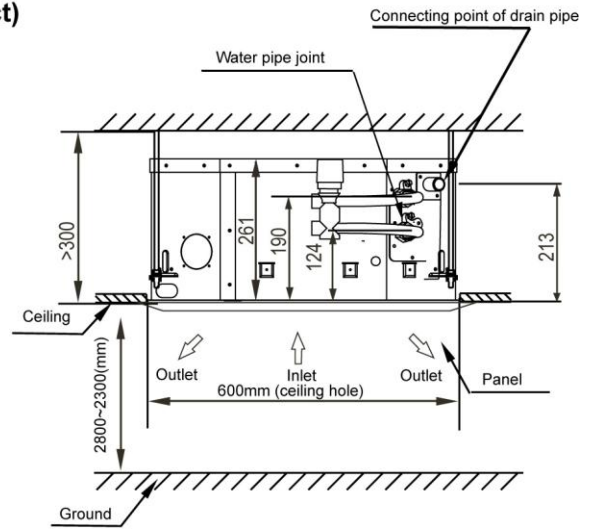
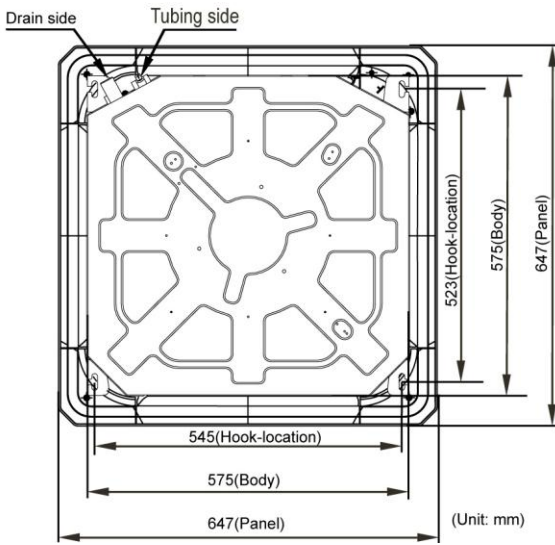
Note:

1. The data is the performance in high speed.
2. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB,19°CWB.
Heating Conditions: Entering Water 70°C, Entering/leaving temperature difference is 10°C,enter air temperature 20°C
3. Noise level is tested in semi-anechoic room

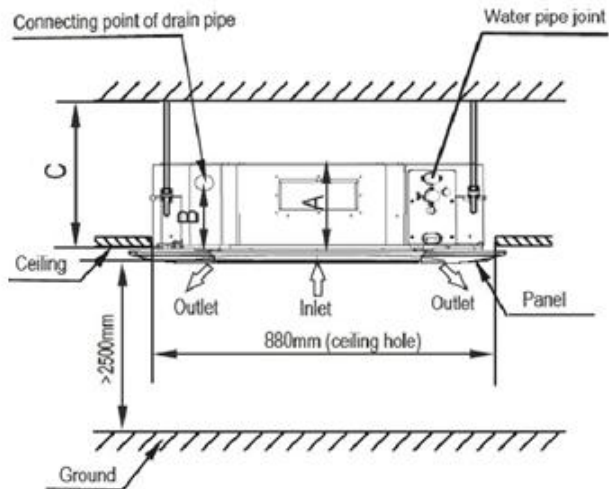
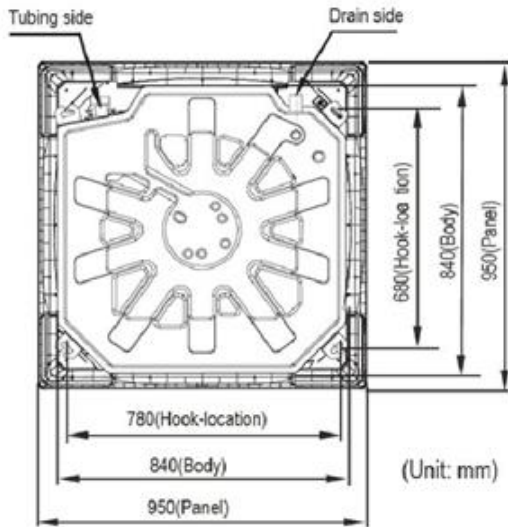
Dimension (50Hz & 60Hz)

FWC003~005 (2 pipe)

Four-way Cassette (compact)



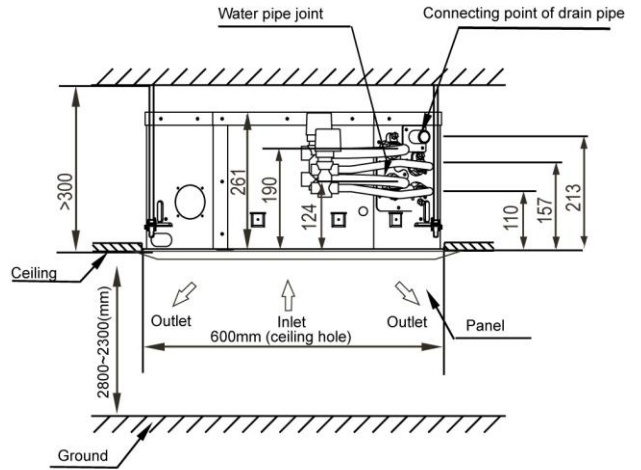
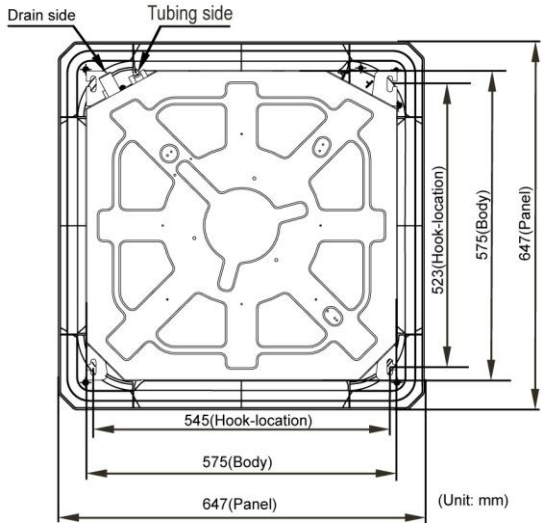
FWC006~015 (2 pipe)



Model [□]	A [□]	B [□]	C [□]
600CFM, 750CFM [□]	230 [□]	170 [□]	>260 [□]
850CFM, 950CFM, 1200CFM, 1500CFM [□]	300 [□]	190 [□]	>330 [□]

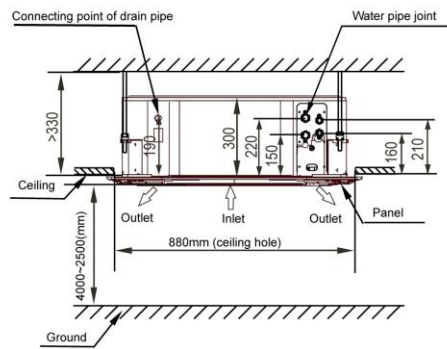
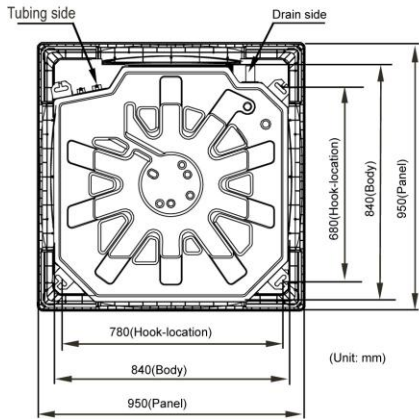
FWC003~005 (4 pipe)

Four-way Cassette (compact)



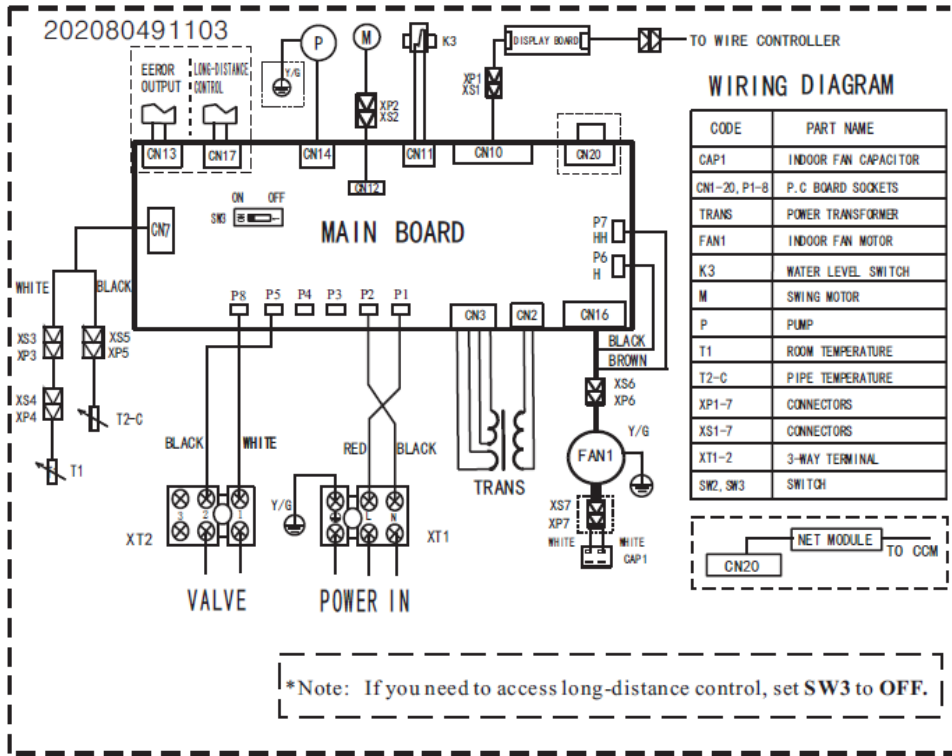
FWC006~015 (4 pipe)

Four-way Cassette

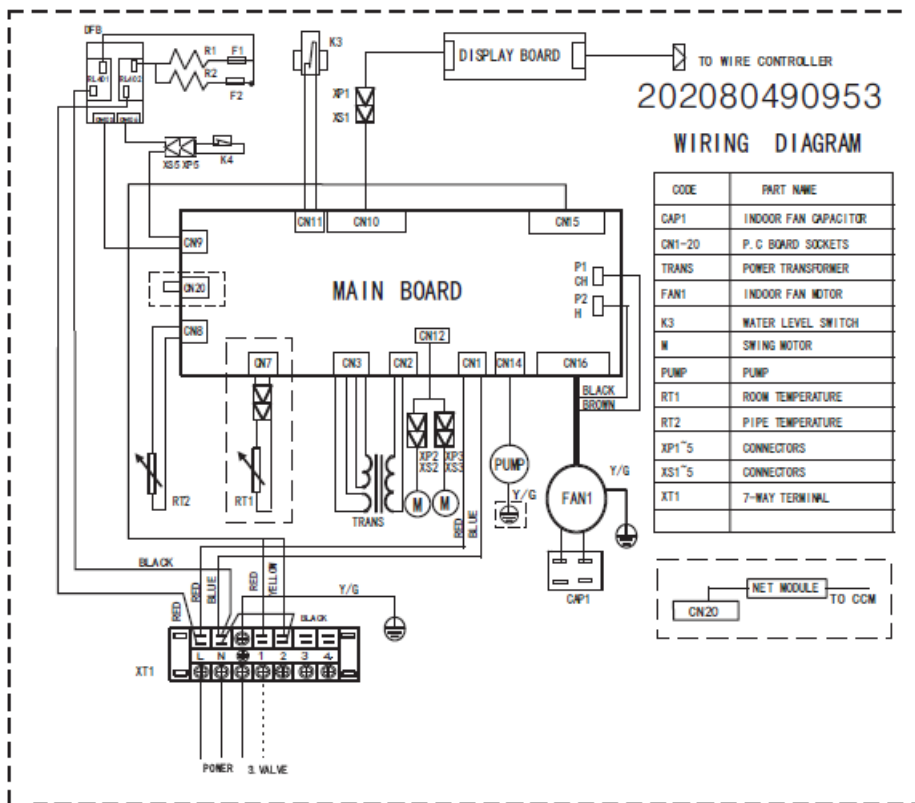


Wiring Diagram (50Hz & 60Hz)

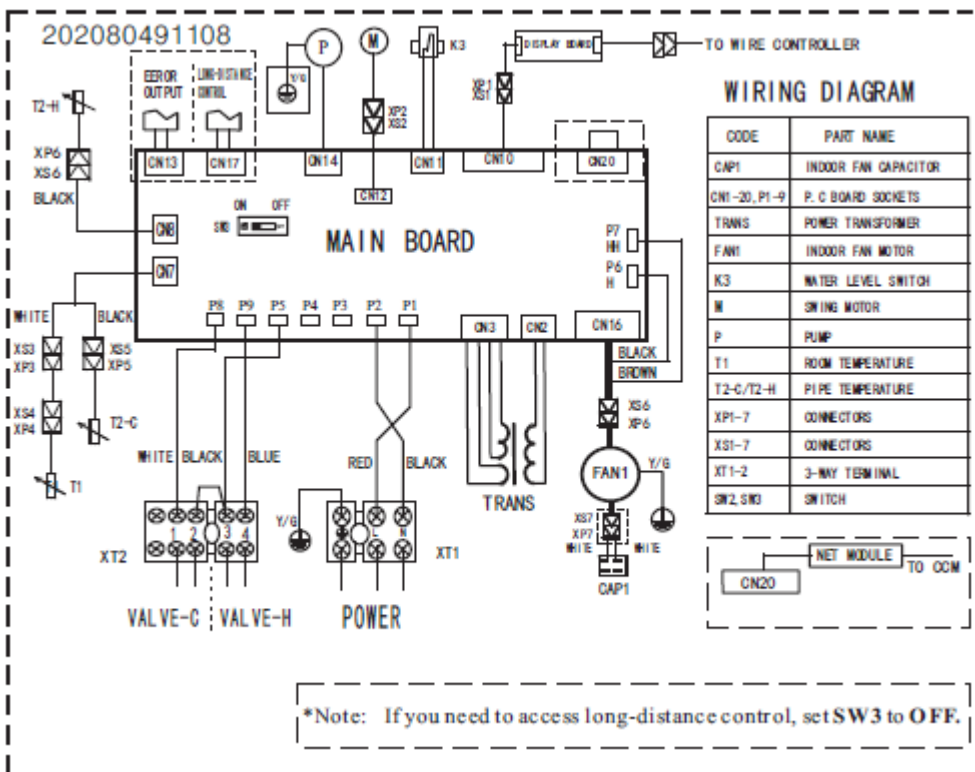
FWC003~005 (2 pipe)



FWC006~015 (2 pipe)



FWC003~005 (4 pipe)



FWC006~015 (4 pipe)

