Modbus-description	Indoor-number	Modbus-address for registers	Data name	Octet Order	Explanation
Coils(R)	0	1	Ventilation mode	1	1：YES，0：NO
		2	Dehumidification mode		1：YES，0：NO
		3	Heating mode		1：YES，0：NO
		4	Cooling mode		1：YES，0：NO
		5	Auto mode		1：YES，0：NO
		6	Cancel Mode Locking / Mode Locking state		
		7	Reserved		Reserved，set 0
		8	ON/OFF		1=ON,0=OFF
		9-16	High speed	2	1：YES，0：NO
			Middle speed		1：YES，0：NO
			Low speed		1：YES，0：NO
			Breeze speed		1：YES，0：NO
			Reserved		Reserved，set 0
			Reserved		Reserved，set 0
			Reserved		Reserved，set 0
			Auto(Fixed) wind		1：YES，0：NO
		17-24	Compressor	3	1=ON,0=OFF
			Outdoor fan high speed		1=ON,0=OFF
			Outdoor fan low speed		1=ON,0=OFF
			Four-way valve		1=ON,0=OFF
			The crankcase		1=ON,0=OFF
			Oil return		1=ON,0=OFF
			Reserved		Reserved，set 0
			Reserved		Reserved，set 0
		25-32	Economical operation	4	1=ON,0=OFF
			Electric auxiliary heating		1=ON,0=OFF
			Swing		1=ON,0=OFF
			Ventilation		1=ON,0=OFF
			Freshing		1=ON,0=OFF
			Humidifying		1=ON,0=OFF
			Oxygen		1=ON,0=OFF
			Drying function		1=ON,0=OFF
		33-40	Horizontal pendulum wind	5	1=ON,0=OFF
			Watering		1=ON,0=OFF
			Drain pump		1=ON,0=OFF
			Reserved		Reserved，set 0
			Locking		00：Locking shutdown or non-locking
			Locking		01：Locking cooling, 10: Lock heating, 11: Locking Ventilation
			Centralized controller locking		1：YES，0：NO
			Remote controller locking		1：YES，0：NO
		41-48	E0 Wrong phase sequence or lack phase	6	1：Fault，0：Normal
			E1 Communication fault		1：Fault，0：Normal
			E2 T1 temp.Sensor failure		1：Fault，0：Normal
			E3 T2A temp.Sensor failure		1：Fault，0：Normal
			E4 T2B temp.Sensor failure		1：Fault，0：Normal
			E5 T3 or T4 or compressor discharge Temperature sensor failure		1：Fault，0：Normal
			E6 Zero-crossing detection fault		1：Fault，0：Normal
			E7 EEPROM error		1：Fault，0：Normal
		49-56	E8 Wind speed detecting out of control	7	1：Fault，0：Normal
			E9 Communication fault between Motherboard and display panel		1：Fault，0：Normal

			EA Compressor overcurrent (four times)		1：Fault，0：Normal
			EB Inverter module protection		1：Fault，0：Normal
			EC Freshing failure		1：Fault，0：Normal
			ED Outdoor failure protection		1：Fault，0：Normal
			EE Water level detection fault		1：Fault，0：Normal
			EF Other faults		1：Fault，0：Normal
		57-64	P0 Evaporator temperature protection	8	1：Protect，0：Normal
			P1 Anti-cold or defrost protection		1：Fault，0：Normal
			P2 Condenser high temperature protection		1：Fault，0：Normal
			P3 Compressor temperature protection		1：Fault，0：Normal
			P4 Exhaust pipe temperature protection		1：Protect，0：Normal
			P5 Exhaust high pressure protection		1：Fault，0：Normal
			P6 Exhaust low pressure protection		1：Fault，0：Normal
			P7 Power over voltage and undervoltage protection		1：Fault，0：Normal
		65-72	P8 Compressor overcurrent	9	1：Protect，0：Normal
			P9		Reserved, set 0
			PA		Reserved, set 0
			PB		Reserved, set 0
			PC		Reserved, set 0
			PD		Reserved, set 0
			PE		Reserved, set 0
			PF Other protections		1：Protect，0：Normal
		73-80	0# Communication failure between Network interface module and the main board	10	1：Fault，0：Normal
			1# Centralized monitoring and Network interface module failure		1：Fault，0：Normal
			2# Communication failure between Centralized monitoring and functional modules		1：Fault，0：Normal
			3# Communication failure between Centralized monitoring and		1：Fault，0：Normal
			4# Commands restricting execution		1：Fault，0：Normal
			5# Command timeout, not execute		1：Fault，0：Normal
			6# Destination address does not exist		1：Fault，0：Normal
			7# Error (not supported) Command		1：Fault，0：Normal
		81-128	reserve	11~16	Reserved, set 0
	1	129	Ventilation mode	17	1：YES，0：NO
		130	Dehumidification mode		1：YES，0：NO
		131	Heating mode		1：YES，0：NO
		132	Cooling mode		1：YES，0：NO
		133	Auto mode		1：YES，0：NO
		134	Cancel Mode Locking / Mode Locking state		
		135	Reserved		Reserved，set 0
		136	ON/OFF		1=ON,0=OFF
		137-144	High speed	18	1：YES，0：NO
			Middle speed		1：YES，0：NO
			Low speed		1：YES，0：NO
			Breeze speed		1：YES，0：NO
			Reserved		Reserved，set 0
			Reserved		Reserved，set 0
			Reserved		Reserved，set 0
			Auto(Fixed) wind		1：YES，0：NO
		145-152	Compressor	19	1=ON,0=OFF
			Outdoor fan high speed		1=ON,0=OFF
			Outdoor fan low speed		1=ON,0=OFF
			Four-way valve		1=ON,0=OFF

		The crankcase		1=ON,0=OFF
		Oil return		1=ON,0=OFF
		Reserved		Reserved，set 0
		Reserved		Reserved，set 0
	153-160	Economical operation	20	1=ON,0=OFF
		Electric auxiliary heating		1=ON,0=OFF
		Swing		1=ON,0=OFF
		Ventilation		1=ON,0=OFF
		Freshing		1=ON,0=OFF
		Humidifying		1=ON,0=OFF
		Oxygen		1=ON,0=OFF
		Drying function		1=ON,0=OFF
	161-168	Horizontal pendulum wind	21	1=ON,0=OFF
		Watering		1=ON,0=OFF
		Drain pump		1=ON,0=OFF
		Reserved		Reserved，set 0
		Locking		00：Locking shutdown or non-locking
		Locking		01：Locking cooling, 10: Lock heating, 11: Locking Ventilation
		Centralized controller locking		1：YES，0：NO
		Remote controller locking		1：YES，0：NO
	169-176	E0 Wrong phase sequence or lack phase	22	1：Fault，0：Normal
		E1 Communication fault		1：Fault，0：Normal
		E2 T1 temp.Sensor failure		1：Fault，0：Normal
		E3 T2A temp.Sensor failure		1：Fault，0：Normal
		E4 T2B temp.Sensor failure		1：Fault，0：Normal
		E5 T3 or T4 or compressor discharge Temperature sensor failure		1：Fault，0：Normal
		E6 Zero-crossing detection fault		1：Fault，0：Normal
		E7 EEPROM error		1：Fault，0：Normal
	177-184	E8 Wind speed detecting out of control	23	1：Fault，0：Normal
		E9 Communication fault between Motherboard and display panel		1：Fault，0：Normal
		EA Compressor overcurrent (four times)		1：Fault，0：Normal
		EB Inverter module protection		1：Fault，0：Normal
		EC Freshing failure		1：Fault，0：Normal
		ED Outdoor failure protection		1：Fault，0：Normal
		EE Water level detection fault		1：Fault，0：Normal
		EF Other faults		1：Fault，0：Normal
	185-192	P0 Evaporator temperature protection	24	1：Protect，0：Normal
		P1 Anti-cold or defrost protection		1：Fault，0：Normal
		P2 Condenser high temperature protection		1：Fault，0：Normal
		P3 Compressor temperature protection		1：Fault，0：Normal
		P4 Exhaust pipe temperature protection		1：Protect，0：Normal
		P5 Exhaust high pressure protection		1：Fault，0：Normal
		P6 Exhaust low pressure protection		1：Fault，0：Normal
		P7 Power over voltage and undervoltage protection		1：Fault，0：Normal
	193-200	P8 Compressor overcurrent	25	1：Protect，0：Normal
		P9		Reserved, set 0
		PA		Reserved, set 0
		PB		Reserved, set 0
		PC		Reserved, set 0
		PD		Reserved, set 0
		PE		Reserved, set 0
		PF Other protections		1：Protect，0：Normal

		201-208	0# Communication failure between Network interface module and the main board	26	1：Fault，0：Normal
			1# Centralized monitoring and Network interface module failure		1：Fault，0：Normal
			2# Communication failure between Centralized monitoring and functional modules		1：Fault，0：Normal
			3# Communication failure between Centralized monitoring and		1：Fault，0：Normal
			4# Commands restricting execution		1：Fault，0：Normal
			5# Command timeout, not execute		1：Fault，0：Normal
			6# Destination address does not exist		1：Fault，0：Normal
			7# Error (not supported) Command		1：Fault，0：Normal
		209-256	reserve	27~32	Reserved, set 0
	n	(128*n+1)-(128*n+8)	The same as n = 1	n*16+1	The same as n = 1
		(128*n+9)-(128*n+16）		n*16+2	
		(128*n+17)-(128*n+24)		n*16+3	
		(128*n+25)-(128*n+31)		n*16+4	
		(128*n+32)-(128*n+40)		n*16+5	
		(128*n+41)-(128*n+48)		n*16+6	
		(128*n+49)-(128*n+56)		n*16+7	
		(128*n+57)-(128*n+64)		n*16+8	
		(128*n+65)-(128*n+72)		n*16+9	
		(128*n+73)-(128*n+80)		n*16+10	
		(128*n+81)-(128*n+128）		(n*16+11) ~ (n*16+16)	
	63	8065-8072	The same as n = 1	1009	The same as n = 1
		8073-8080		1010	
		8081-8088		1011	
		8089-8096		1012	
		8097-8104		1013	
		8105-8112		1014	
		8113-8120		1015	
		8121-8128		1016	
		8129-8136		1017	
		8137-8144		1018	
		8145-8192		1019~1024	

Modbus-description	Indoor-number	Modbus-address for registers	Data name		Explanation

Input register （R）	0	30001	System Status		bit0:Refrigeration System status, 1: Run, 0: Stop；bit1：Refrigeration System failure state, 1: fault, 0 normal；bit2：Local / Remote, 1: Remote, 0: local
		30002	Model Information 1		-
		30003	Model Information 2		-
		30004	Setting temperature Ts		16~32 stands for 16~32℃
		30005	Indoor temperature T1		0~240 indicating -20~100℃
		30006	Evaporator tube temperature T2A		0~240 indicating -20~100℃
		30007	Evaporation pipe middle temperature T2B		0~240 indicating -20~100℃
		30008	Condenser tube temperature T3		0~240 indicating -20~100℃
		30009	Compressor current		0~200 indicating current 0A~200A
		30010	Humidity		0~100 indicating Relative Humidity 0%～100%
		30011	Timed startup time		0-96 indicating no timer to 24-hour timer
		30012	Timed shutdown time		0-96 indicating no timer to 24-hour timer
		30013	Electric power consumption		Unit of 0.1HP
		30014~30022	Reserve		Reserved, set 0
		30023	0-3 outdoor unit fault status		bit0:Indicating 0# outdoor unit fault status，1：YES，0：NO bit1:Indicating 1# outdoor unit fault status，1：YES，0：NO bit2:Indicating 2# outdoor unit fault status，1：YES，0：NO bit3:Indicating 3# outdoor unit fault status，1：YES，0：NO
		30024	0-3 outdoor unit running status		bit0:Indicating 0# outdoor unit running status，1：ON，0：OFF bit1:Indicating 1# outdoor unit running status，1：ON，0：OFF bit2:Indicating 2# outdoor unit running status，1：ON，0：OFF bit3:Indicating 3# outdoor unit running status，1：ON，0：OFF

		30025	00~15 indoor unit fault status	bit0:Indicating 0# indoor unit fault status，1：YES，0：NO bit1:Indicating 1# indoor unit fault status，1：YES，0：NO …… bit15:Indicating 15# indoor unit fault status，1：YES，0：NO
		30026	16~31 indoor unit fault status	bit0:Indicating 16# indoor unit fault status，1：YES，0：NO bit1:Indicating 17# indoor unit fault status，1：YES，0：NO …… bit15:Indicating 31# indoor unit fault status，1：YES，0：NO
		30027	32~47 indoor unit fault status	bit0:Indicating 32# indoor unit fault status，1：YES，0：NO bit1:Indicating 33# indoor unit fault status，1：YES，0：NO …… bit15:Indicating 47# indoor unit fault status，1：YES，0：NO
		30028	48~63 indoor unit fault status	bit0:Indicating 48# indoor unit fault status，1：YES，0：NO bit1:Indicating 49# indoor unit fault status，1：YES，0：NO …… bit15:Indicating 63# indoor unit fault status，1：YES，0：NO
		30029	00~15 indoor unit running status	bit0:Indicating 0# indoor unit running status，1：ON，0：OFF bit1:Indicating 1# indoor unit running status，1：ON，0：OFF …… bit15:Indicating 15# indoor unit running status，1：ON，0：OFF

		30030	16~31 indoor unit running status		bit0:Indicating 16# indoor unit running status，1：ON，0：OFF bit1:Indicating 17# indoor unit running status，1：ON，0：OFF …… bit15:Indicating 31# indoor unit running status，1：ON，0：OFF
		30031	32~47 indoor unit running status		bit0:Indicating 32# indoor unit running status，1：ON，0：OFF bit1:Indicating 33# indoor unit running status，1：ON，0：OFF …… bit15:Indicating 47# indoor unit running status，1：ON，0：OFF
		30032	48~63 indoor unit running status		bit0:Indicating 48# indoor unit running status，1：ON，0：OFF bit1:Indicating 49# indoor unit running status，1：ON，0：OFF …… bit15:Indicating 63# indoor unit running status，1：ON，0：OFF
	1	30033	Reserve		Reserved, set 0
		30034	Model Information 1		-
		30035	Model Information 2		-
		30036	Setting temperature Ts		16~32 stands for 16~32℃
		30037	Indoor temperature T1		0~240 indicating -20~100℃
		30038	Evaporator tube temperature T2A		0~240 indicating -20~100℃
		30039	Evaporation pipe middle temperature T2B		0~240 indicating -20~100℃
		30040	Condenser tube temperature T3		0~240 indicating -20~100℃
		30041	Compressor current		0~200 indicating current 0A~200A
		30042	Humidity		0~100 indicating Relative Humidity 0%～100%
		30043	Timed startup time		0-96 indicating no timer to 24-hour timer
		30044	Timed shutdown time		0-96 indicating no timer to 24-hour timer
		30045	Electric power consumption		Unit of 0.1HP
		30046~30064	Reserve		Reserved, set 0
	n	30000+n*32+1	Reserve		The same as 1# indoor unit
		30000+n*32+2	Model Information 1		
		30000+n*32+3	Model Information 2		
		30000+n*32+4	Setting temperature Ts		

		30000+n*32+5	Indoor temperature T1		
		30000+n*32+6	Evaporator tube temperature T2A		
		30000+n*32+7	Evaporation pipe middle temperature T2B		
		30000+n*32+8	Condenser tube temperature T3		
		30000+n*32+9	Compressor current		
		30000+n*32+10	Humidity		
		30000+n*32+11	Timed startup time		
		30000+n*32+12	Timed shutdown time		
		30000+n*32+13	Electric power consumption		
		（30000+n*32+14） ~ （30000+n*32+32）	Reserve		
	63	32017	Reserve		The same as 1# indoor unit
		32018	Model Information 1		
		32019	Model Information 2		
		32020	Setting temperature Ts		
		32021	Indoor temperature T1		
		32022	Evaporator tube temperature T2A		
		32023	Evaporation pipe middle temperature T2B		
		32024	Condenser tube temperature T3		
		32025	Compressor current		
		32026	Humidity		
		32027	Timed startup time		
		32028	Timed shutdown time		
		32029	Electric power consumption		
		32030~32048	Reserve		

Modbus-description	Indoor-number	Modbus-address for registers	Data name		Explanation
Holding register (W)	0	40001	Refrigeration System Switch (reserved)		

		40002	Mode	bit15~bit8：Reserve bit7：Switch，1：ON，0：OFF bit6：Reserve bit5：Reserve bit4：Auto mode 1：YES，0：NO bit3：Cooling mode 1：YES，0：NO bit2：Heating mode 1：YES，0：NO bit1：Dehumidification mode 1：YES，0：NO bit0：Ventilation mode 1：YES，0：NO bit6~bit0 mutual exclusion
		40003	Setting wind speed	bit15~bit8：Reserve bit7：Auto wind 1：YES，0：NO bit6~bit3 Reserve bit2：Low speed 1：YES，0：NO bit1：Middle speed 1：YES，0：NO bit0：High speed 1：YES，0：NO bit7~bit0 mutual exclusion
		40004	Setting temperature	16~32 stands for 16~32℃，Other data does not change the original setting
		40005	Timed startup time	0-96 indicating no timer to 24-hour timer
		40006	Timed shutdown time	0-96 indicating no timer to 24-hour timer
		40007	Auxiliary function status	bit15~bit4：Reserved, set 0 bit3：Ventilation 1：ON，0：OFF bit2：Swing 1：ON，0：OFF bit1：Electric auxiliary heating 1：ON，0：OFF bit0：Economic Operation 1：ON，0：OFF
		40008~40032	Reserve	Reserved, can not write
	1	40033	Reserve	Reserved, can not write
		40034	Mode	The same as 0# indoor unit
		40035	Setting wind speed	
		40036	Setting temperature	
		40037	Timed startup time	
		40038	Timed shutdown time	
		40039	Auxiliary function status	

		40040~40064	Reserve		Reserve
	n	40000+n*32+1	Reserve		The same as 1# indoor unit
		40000+n*32+2	Mode		
		40000+n*32+3	Setting wind speed		
		40000+n*32+4	Setting temperature		
		40000+n*32+5	Timed startup time		
		40000+n*32+6	Timed shutdown time		
		40000+n*32+7	Auxiliary function status		
		(40000+n*32+8)~(40000+n*32+32）	Reserve		
	63	42017	Reserve		The same as 1# indoor unit
		42018	Mode		
		42019	Setting wind speed		
		42020	Setting temperature		
		42021	Timed startup time		
		42022	Timed shutdown time		
		42023	Auxiliary function status		
		42024~42048	Reserve		