

### ### Modbus Hidden Registers

#### ## Indoor Unit

Register	Description	Signed	Multiplicator	Range	Unit	Additional Info
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0x4087	Booster Heater	-	-	0=off; 1=on	-	
0x406C	Backup Heater	-	-	0=off; 1=on	-	
0x42E9	Flow Sensor	no	x10	0-80	L/min	
0x4067	3-Way Valve	-	-	0=room; 1=tank	-	
0x40C4	Water Pump PWM	no	x1	0-100	%	
0x406F	Temperature Reference	-	-	0=room; 1=water out	-	

#### ## Outdoor Unit

Register	Description	Signed	Multiplicator	Range	Unit	Additional Info
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0x8001	Operation Mode	-	-	0=stop; 1=safety; 2=normal; 3=balance; 4=recovery; 5=deice; 6=compdown; 7=prohibit; 8=linejig; 9=pcbjig; 10=test; 11=charge; 12=pumpdown; 13=pumpout; 14=vacuum; 15=caloryjig; 16=pumpdownstop; 17=substop; 18=checkpipe; 19=checkref; 20=fptjig; 21=nonstop		<a href="#">heat_cool_change</a> ; <a href="#">22=auto_inspect</a> ; 23=electric
						<a href="#">discharge</a> ; <a href="#">24=split_deice</a> ; 25=inverter
						<a href="#">check</a> ; <a href="#">26=nonstop_deice</a> ; 27=rem
						<a href="#">test</a> ; <a href="#">28=rating</a> ; <a href="#">29=pc_test</a> ; 30=pumpdown
						<a href="#">thermooff</a> ; <a href="#">31=3phase_test</a> ; 32=smartinstall
						<a href="#">test</a> ; <a href="#">33=device_performance_test</a> ; <a href="#">34=inverter_fan_pba_check</a> ; 35=auto
						<a href="#">pip_pairing</a> ; 36=auto_charge; other=unknown
0x8010	Compressor 1 Status	-	-	0=off; 1=on	-	
0x8017	Hot Gas 1 Status	-	-	0=off; 1=on	-	
0x8019	Liquid Valuve Status	-	-	0=off; 1=on	-	
0x8021	EVI Bypass	-	-	0=off; 1=on	-	
0x801A	4-way Valve Status	-	-	0=off; 1=on	-	
0x80AF	Base Heater	-	-	0=off; 1=on	-	
0x80D7	PHE Heater	-	-	0=off; 1=on	-	
0x8204	Outdoor temperature	yes	x10	-41 - 150	°C	
0x8206	High Pressure	yes	x10	-	kgfcm2	
0x8208	Low Pressure	yes	x10	-	kgfcm2	
0x820A	Discharge 1 Temperature	yes	x10	-41 - 150	°C	
0x8217	Compressor 1 Current	no	x10	-	A?	Value seems off
0x8218	Heat exchanger outlet temperature (condout)	yes	x10	-41 - 150	°C	
0x821A	Suction Temperature	yes	x10	-41 - 150	°C	
0x821E	EVI In Temperature	yes	x10	-41 - 150	°C	
0x8220	EVI Out Temperature	yes	x10	-41 - 150	°C	
0x8229	Main EEV1	no	x1	0 - 10000	?	
0x8235	Error Code	no	-	-	-	See Error Code tables
0x8236	Compressor 1 Order Frequency	no	x1	0 - 1000	Hz	
0x8237	Compressor 1 Target Frequency	no	x1	0 - 1000	Hz	

0x8238   Compressor 1 Current Frequency   no   x1   0 - 1000   Hz
0x823B   DC Link 1 Voltage   no   x1   ?   V?
0x823D   Outdoor Fan1 RPM   no   x1   -   Hz   not yet confirmed
0x82DE   EVA In Temperature   yes   x10   -41 - 150   °C
0x8254   IPM1 Temperature   yes   x10   -41 - 150   °C
0x8278   Compressor OCT1   no   x10   ?   ?
0x8280   Compressor 1 Top Temperature   yes   x10   -41 - 150   °C
0x829F   High pressure saturation temperature   yes   x10   -41 - 150   °C
0x82A0   Low pressure saturation temperature   yes   x10   -41 - 150   °C