



Status of MYPRO TOUCH can be monitored by MODBUS(ASCII or RTU) reading protocol.  
 Also control of MYPRO TOUCH can be changed by MODBUS(ASCII or RTU) writing protocol.

MYPRO TOUCH can have optional one RS-485 compatible,  
 Half-Duplex Four-wire serial communication port with MODBUS protocol.

The setting of each communication port can be input on Device/PLC Setting of Periperal of Offline.

MYPRO TOUCH has two kinds of devices on MODBUS protocol, one is "Holding Registers" and another is "Coils".

Coils number 000513 to 000576 can be read using MODBUS Function Code 01h(Read Coil Status).

Coils number 000513 to 000576 can be written using  
 MODBUS Function Code 05h(Force Single Coil) or 0Fh(Force Multiple Coils).

Coils	Attribute		
000513	Read/Write		Communication Compressor Start Input
000514	Read/Write		Communication Compressor Immediate Stop Input
000515	Read/Write		Communication Compressor Full Load Input
000516	Read/Write		Communication Compressor Load Limit input
000517	Read/Write		Undefined
000518	Read/Write		Communication Chiller LBT Controler 100% Input
000519 ~000575	Reserved		These coils should not be changed.
000576	Read/Write		Communication Clear Alarm input

Holding Registers number 403001 to 403256 can be read using MODBUS Function Code 03h  
 (Read Holding Register).

"Read Write" Holding Registers can be written using MODBUS Function Code 06h  
 (Preset Single Register) or 10h(Preset Multiple Registers).

The data written to the following Holding Registers should be industrial unit X 10<sup>n</sup>.  
 ("^^" means power and "n" is the number of decimal place that is diplayed on screen.)

If the target data is displayed "12.345", "n" is three, so the written data should be 1000 times.

※1:choice of "()" is the initial value.

※2:ALARM & FAILURE more information. Refer to 7/9~9/9

※3:The information contained her is subject to change without notice

※4:Option Analog Input is assigned to the CH you have set.

"Read Write" Holding Registers can be written using MODBUS Function Code 06h(Preset Single Register) or 10h(Preset Multiple Registers).

Register Number	Attribute	Name	Range	Note
403001	Read Only	DI/O Low 16bits	DI/001 (b0) ~DI/016 (b15)	
403002	Read Only	DI/O High 16bits	DI/017 (b0) ~DI/032 (b15)	
403003	Read Only	ALARM Coil No. 129 to 144	No. 129 (b0) ~No. 144 (b15)	Please refer to the Bit Alignment
403004	Read Only	ALARM Coil No. 145 to 160	No. 145 (b0) ~No. 160 (b15)	Please refer to the Bit Alignment
403005	Read Only	ALARM Coil No. 161 to 176	No. 161 (b0) ~No. 176 (b15)	Please refer to the Bit Alignment
403006	Read Only	ALARM Coil No. 177 to 192	No. 177 (b0) ~No. 192 (b15)	Please refer to the Bit Alignment
403007	Read Only	ALARM Coil No. 193 to 208	No. 193 (b0) ~No. 208 (b15)	Please refer to the Bit Alignment
403008	Read Only	ALARM Coil No. 209 to 224	No. 209 (b0) ~No. 224 (b15)	Please refer to the Bit Alignment
403009	Read Only	ALARM Coil No. 225 to 240	No. 225 (b0) ~No. 240 (b15)	Please refer to the Bit Alignment
403010	Read Only	ALARM Coil No. 241 to 256	No. 241 (b0) ~No. 256 (b15)	Please refer to the Bit Alignment
403011	Read Only	FAILURE Coil No. 257 to 272	No. 257 (b0) ~No. 272 (b15)	Please refer to the Bit Alignment
403012	Read Only	FAILURE Coil No. 273 to 288	No. 273 (b0) ~No. 288 (b15)	Please refer to the Bit Alignment
403013	Read Only	FAILURE Coil No. 289 to 304	No. 289 (b0) ~No. 304 (b15)	Please refer to the Bit Alignment
403014	Read Only	FAILURE No. 305 to 320	No. 305 (b0) ~No. 320 (b15)	Please refer to the Bit Alignment
403015	Read Only	FAILURE No. 321 to 336	No. 321 (b0) ~No. 336 (b15)	Please refer to the Bit Alignment
403016	Read Only	FAILURE No. 337 to 352	No. 337 (b0) ~No. 352 (b15)	Please refer to the Bit Alignment
403017	Read Only	FAILURE No. 353 to 368	No. 353 (b0) ~No. 368 (b15)	Please refer to the Bit Alignment
403018	Read Only	FAILURE No. 369 to 384	No. 369 (b0) ~No. 384 (b15)	Please refer to the Bit Alignment
403019	Read Only	AI01	Industrial Unit X 10 <sup>n</sup>	Local Suction Pressure
403020	Read Only	AI02	Industrial Unit X 10 <sup>n</sup>	Discharge Pressure
403021	Read Only	AI03	Industrial Unit X 10 <sup>n</sup>	Oil Supply Pressure
403022	Read Only	AI04	Industrial Unit X 10 <sup>n</sup>	After Filter Pressure Before Filter Pressure
403023	Read Only	AI05	Industrial Unit X 10 <sup>n</sup>	Suction Temperature
403024	Read Only	AI06	Industrial Unit X 10 <sup>n</sup>	Discharge Temperature
403025	Read Only	AI07	Industrial Unit X 10 <sup>n</sup>	Oil Supply Temperature
403026	Read Only	AI08	Industrial Unit X 10 <sup>n</sup>	Oil Separator Temperature After Fine Filter Pressure OPT1~4
403027	Read Only	AI09	Industrial Unit X 10 <sup>n</sup>	Intermediate Pressure OPT1~4
403028	Read Only	AI10	Industrial Unit X 10 <sup>n</sup>	Intermediate Temperature OPT1~4
403029	Read Only	AI11	Industrial Unit X 10 <sup>n</sup>	Chiller Liquid Level OPT1~4
403030	Read Only	AI12	Industrial Unit X 10 <sup>n</sup>	Compressor Motor Electric Current
403031	Read Only	AI13	Industrial Unit X 10 <sup>n</sup>	Chiller Entering Temperature Before Filter Pressure OPT1~4
403032	Read Only	AI14	Industrial Unit X 10 <sup>n</sup>	Chiller Leaving Temperature Before Filter Pressure OPT1~4
403033	Read Only	AI15	Industrial Unit X 10 <sup>n</sup>	Low Stage Slide Valve Position
403034	Read Only	AI16	Industrial Unit X 10 <sup>n</sup>	High Stage Slide Valve position Vi Port Slide Valve Position System Suction Pressure Slide Valve Oil Supply Pressure OPT1~4
403035	Read Only	AI17	Industrial Unit X 10 <sup>n</sup>	Chiller Gas Pressure1
403036	Read Only	AI18	Industrial Unit X 10 <sup>n</sup>	Chiller Gas Temperature1
403037	Read Only	AI19	Industrial Unit X 10 <sup>n</sup>	System Suction Pressure
403038	Read Only	AI20	Industrial Unit X 10 <sup>n</sup>	Remote Capacity Control Target
403039	Read Only	AI21	Industrial Unit X 10 <sup>n</sup>	OPT1~4
403040	Read Only	AI22	Industrial Unit X 10 <sup>n</sup>	System Discharge Pressure OPT1~4
403041	Read Only	AI23	Industrial Unit X 10 <sup>n</sup>	Chiller Gas Pressure2 OPT1~4
403042	Read Only	AI24	Industrial Unit X 10 <sup>n</sup>	Chiller Gas Temperature2 OPT1~4
403043	Read Only	AI25	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403044	Read Only	AI26	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403045	Read Only	AI27	Industrial Unit X 10 <sup>n</sup>	Real Analog Input

Register Number	Attribute	Name	Range	Note
403046	Read Only	AI28	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403047	Read Only	AI29	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403048	Read Only	AI30	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403049	Read Only	AI31	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403050	Read Only	AI32	Industrial Unit X 10 <sup>n</sup>	Real Analog Input
403051	Read Only	AI65	Industrial Unit X 10 <sup>n</sup>	Oil Differential Pressure
403052	Read Only	AI66	Industrial Unit X 10 <sup>n</sup>	Filter Differential Pressure
403053	Read Only	AI67	Industrial Unit X 10 <sup>n</sup>	Differential Pressure
403054	Read Only	AI68	Industrial Unit X 10 <sup>n</sup>	Suction Superheat
403055	Read Only	AI69	Industrial Unit X 10 <sup>n</sup>	Intermediate Superheat
403056	Read Only	AI70	Industrial Unit X 10 <sup>n</sup>	Discharge Superheat
403057	Read Only	AI71	Industrial Unit X 10 <sup>n</sup>	Discharge/Suction Pressure Ratio
403058	Read Only	AI72	Industrial Unit X 10 <sup>n</sup>	Calculated Vi
403059	Read Only	AI73	Industrial Unit X 10 <sup>n</sup>	Current Vi
403060	Read Only	AI74	Industrial Unit X 10 <sup>n</sup>	Compressor Capacity
403061	Read Only	AI75	Industrial Unit X 10 <sup>n</sup>	Slide Valve Percentage
403062	Read Only	AI76	Industrial Unit X 10 <sup>n</sup>	Auto Stage Target Pressure
403063	Read Only	AI77	Industrial Unit X 10 <sup>n</sup>	Oil Differential Pressure2
403064	Read Only	AI78	Industrial Unit X 10 <sup>n</sup>	Suction Superheat2
403065	Read Only	AI79	Industrial Unit X 10 <sup>n</sup>	Fine Filter Differential Pressure Filter Differential Pressure2
403066	Read Only	AI80	Industrial Unit X 10 <sup>n</sup>	AUTO STAGE Target-Temperature
403067	Read Only	PID 1/16SV	Industrial Unit X 10 <sup>n</sup>	
403068	Read Only	PID 1/16PV	Industrial Unit X 10 <sup>n</sup>	Local/System Suction/Discharge Pressure
403069	Read Only	PID 1/16MV	0.0~100.0%:0~1000	Output of Low Stage Slide Valve Control on Pressure/Combined
403070	Read Only	PID 2/16SV	Industrial Unit X 10 <sup>n</sup>	
403071	Read Only	PID 2/16PV	Industrial Unit X 10 <sup>n</sup>	Chiller Leaving Temperature
403072	Read Only	PID 2/16MV	0.0~100.0%:0~1000	Output of Low Stage Slide Valve Control on Temperature
403073	Read Only	PID 3/16SV	Industrial Unit X 10 <sup>n</sup>	
403074	Read Only	PID 3/16PV	Industrial Unit X 10 <sup>n</sup>	Suction Superheat
403075	Read Only	PID 3/16MV	0.0~100.0%:0~1000	Output of Chiller Expansion Valve Control
403076	Read Only	PID 4/16SV	Industrial Unit X 10 <sup>n</sup>	
403077	Read Only	PID 4/16PV	Industrial Unit X 10 <sup>n</sup>	Local Suction Pressure
403078	Read Only	PID 4/16MV	0.0~100.0%:0~1000	Output of Limitation of Chiller Expansion Valve Control
403079	Read Only	PID 5/16SV	Industrial Unit X 10 <sup>n</sup>	
403080	Read Only	PID 5/16PV	Industrial Unit X 10 <sup>n</sup>	Chiller Leaving Temperature
403081	Read Only	PID 5/16MV	0.0~100.0%:0~1000	Output of Limitation of Chiller Expansion Valve Control
403082	Read Only	PID 6/16SV	Industrial Unit X 10 <sup>n</sup>	
403083	Read Only	PID 6/16PV	Industrial Unit X 10 <sup>n</sup>	Intermediate Superheat
403084	Read Only	PID 6/16MV	0.0~100.0%:0~1000	Output of Economizer/Inter Cooler Expansion Valve Control
403085	Read Only	PID 7/16SV	Industrial Unit X 10 <sup>n</sup>	
403086	Read Only	PID 7/16PV	Industrial Unit X 10 <sup>n</sup>	Discharge Temperature/Superheat
403087	Read Only	PID 7/16MV	0.0~100.0%:0~1000	Output of Liquid Injection Control
403088	Read Only	PID 8/16SV	Industrial Unit X 10 <sup>n</sup>	
403089	Read Only	PID 8/16PV	Industrial Unit X 10 <sup>n</sup>	Chiller Leaving Temperature
403090	Read Only	PID 8/16MV	0.0~100.0%:0~1000	Output of Brine Flow Control
403091	Read Only	PID 9/16SV	Industrial Unit X 10 <sup>n</sup>	
403092	Read Only	PID 9/16PV	Industrial Unit X 10 <sup>n</sup>	Local/System Discharge pressure
403093	Read Only	PID 9/16MV	0.0~100.0%:0~1000	Output of Condenser Fan/Pump Control
403094	Read Only	PID10/16SV	Industrial Unit X 10 <sup>n</sup>	
403095	Read Only	PID10/16PV	Industrial Unit X 10 <sup>n</sup>	Intermediate Pressure
403096	Read Only	PID10/16MV	0.0~100.0%:0~1000	Output of High Stage Slide Valve Control
403097	Read Only	PID11/16SV	Industrial Unit X 10 <sup>n</sup>	
403098	Read Only	PID11/16PV	Industrial Unit X 10 <sup>n</sup>	Local/System Suction/Discharge Pressure
403099	Read Only	PID11/16MV	0.0~100.0%:0~1000	Output of Compressor Motor on Pressure/Combined
403100	Read Only	PID12/16SV	Industrial Unit X 10 <sup>n</sup>	
403101	Read Only	PID12/16PV	Industrial Unit X 10 <sup>n</sup>	Chiller Leaving Temperature
403102	Read Only	PID12/16MV	0.0~100.0%:0~1000	Output of Compressor Motor on Temperature
403103	Read Only	PID13/16SV	Industrial Unit X 10 <sup>n</sup>	

Register Number	Attribute	Name	Range	Note
403104	Read Only	PID13/16PV	Industrial Unit X 10 <sup>n</sup>	Suction Superheat2
403105	Read Only	PID13/16MV	0.0~100.0%:0~1000	Output of Chiller Expansion Valve2 Control
403106	Read Only	PID14/16SV	Industrial Unit X 10 <sup>n</sup>	
403107	Read Only	PID14/16PV	Industrial Unit X 10 <sup>n</sup>	Chiller Gas Pressure2
403108	Read Only	PID14/16MV	0.0~100.0%:0~1000	Output of Limitation of Chiller Expansion Valve2 Control
403109	Read Only	PID15/16SV	Industrial Unit X 10 <sup>n</sup>	
403110	Read Only	PID15/16PV	Industrial Unit X 10 <sup>n</sup>	Chiller Liquid Level
403111	Read Only	PID15/16MV	0.0~100.0%:0~1000	Output of Chiller Liquid Level Control
403112	Read Only	PID16/16SV	Industrial Unit X 10 <sup>n</sup>	Undefined
403113	Read Only	PID16/16PV	Industrial Unit X 10 <sup>n</sup>	Undefined
403114	Read Only	PID16/16MV	0.0~100.0%:0~1000	Undefined
403115	Read Only	RUN TIME Low		Low 16bits of 32bits Hours
403116	Read Only	RUN TIME High	RUN TIME = (R403115) + 65536 X (R403116)	High 16bits of 32bits Hours
403117	Read Only	TOTAL RUN TIME Low		Low 16bits of 32bits Hours
403118	Read Only	TOTAL RUN TIME High	TPTAL RUN TIME = (R403117) + 65536 X (R403118)	High 16bits of 32bits Hours
403119	Read Only	RTC	0(SUN.) to Six(SAT.)	Week
403120	Read Only	RTC	1 to 12	Month
403121	Read Only	RTC	1 to 31	Day
403122	Read Only	RTC	A. D. Four digits.	Year
403123	Read Only	RTC	0 to 23	Hour
403124	Read Only	RTC	0 to 59	Minute
403125	Read Only	RTC	0 to 59	Second
403126	Read Only	Undefined		
403127	Read Only	Undefined		
403128	Read Only	Undefined		
403129	Read/Write	CUT IN Set Point	Industrial Unit X 10 <sup>n</sup>	H40967:0→A101 H40967:1→ A116 (H40983:0~3, 5, 10~12) or A119 (H40983:4, 6~9) H40967:2→A113 H40967:3→A114
403130	Read/Write	CUT OUT Set Point	Industrial Unit X 10 <sup>n</sup>	H40967:0→A101 H40967:1→ A116 (H40983:0~3, 5, 10~12) or A119 (H40983:4, 6~9) H40967:2→A113 H40967:3→A114
403131	Read/Write	Pressure Set Point of CAPACITY CONTROL	Industrial Unit X 10 <sup>n</sup>	H40968:0, 3→A101 H40968:1, 4→ A116 (H40983:0~3, 5, 10~12) or A119 (H40983:4, 6~9) H40968:5→A102
403132	Read/Write	Temperature Set Point of CAPACITY CONTROL	Industrial Unit X 10 <sup>n</sup>	A114
403133	Read/Write	Capacity Set Point	0.0~100.0%:0~1000	
403134	Read Only	Reserved		
403135	Read Only	Reserved		
403136	Read Only	Reserved		
403137	Read Only	Reserved		
403138	Read Only	Reserved		
403139	Read Only	Reserved		
403140	Read Only	Reserved		
403141	Read Only	Reserved		
403142	Read Only	Reserved		
403143	Read Only	Reserved		
403144	Read Only	Reserved		
403145	Read/Write	PID 1/16MVL	0.0~100.0%:0~1000	Set Point MVL of VFD COMPRESSOR CONTROLLER on Pressure
403146	Read/Write	PID 1/16MVH	0.0~100.0%:0~1000	Set Point MVH of VFD COMPRESSOR CONTROLLER on Pressure
403147	Read/Write	PID 2/16MVL	0.0~100.0%:0~1000	Set Point MVL of VFD COMPRESSOR CONTROLLER on Temperature
403148	Read/Write	PID 2/16MVH	0.0~100.0%:0~1000	Set Point MVH of VFD COMPRESSOR CONTROLLER on Temperature
403149	Read/Write	PID11/16MVL	0.0~100.0%:0~1000	Set Point MVL of VFD COMPRESSOR CONTROLLER on Pressure
403150	Read/Write	PID11/16MVH	0.0~100.0%:0~1000	Set Point MVH of VFD COMPRESSOR CONTROLLER on Pressure
403151	Read/Write	PID12/16MVL	0.0~100.0%:0~1000	Set Point MVL of VFD COMPRESSOR CONTROLLER on Temperature
403152	Read/Write	PID12/16MVH	0.0~100.0%:0~1000	Set Point MVH of VFD COMPRESSOR CONTROLLER on Temperature

Register Number	Attribute	Name	Range	Note
403153	Read/Write	MODE SELECT	(0) : LOCAL .1: REMOTE .2: COMM .3: AUTO STAGE .4: Not Use .5: AUTO STAGE REMOTE .6: AUTO STAGE COMM	OPERATION MODE>OPERATION
403154	Read/Write	AUTO START SELECT	0: NO, (1) : YES	OPERATION MODE>COMPRESSOR AUTO START/STOP
403155	Read/Write	SET POINT No. SELECT	(0) : SETPOINT #1 .1: SETPOINT #2 .2: SETPOINT #3 .3: SETPOINT #4 .4: SCHEDULER .5: COMM	SET POINTS>SCHEDULER>CUT IN/CUT OUT
403156	Read/Write	SET POINT No. SELECT	(0) : SETPOINT #1 .1: SETPOINT #2 .2: SETPOINT #3 .3: SETPOINT #4 .4: SCHEDULER .5: COMM	SET POINTS>SCHEDULER>CONTROL TARGET
403157	Read/Write	ALARM/FAILURE SELECT	(0) : SET_POINT#1, 1: SET_POINT#2	OPERATION MODE>ALARM/FAILURE
403158	Read/Write	CAPACITY CONTROL SELECT	(0) : MANUAL .1: AUTO .2: REMOTE DIGITAL .3: REMOTE ANALOG .4: COMM	CAPACITY CONTROL>MONITOR>OPERATION
403159	Read/Write	VFD COMPRESSOR CONTROL SELECT	(0) : MANUAL .1: AUTO .2: REMOTE DIGITAL .3: REMOTE ANALOG .4: COMM	VFD COMPRESSOR CONTROL>MONITOR>OPERATION
403160	Read/Write	CAPACITY CONTROL>MVL%/MVH% BY COMM	(0) : DISABLE, 1: ENABLE	CAPACITY CONTROL>MVL%/MVH% BY COMM
403161	Read Only	Reserved		
403162	Read Only	Reserved		
403163	Read Only	Reserved		
403164	Read Only	Reserved		
403165	Read Only	Reserved		
403166	Read Only	Reserved		
403167	Read Only	Reserved		
403168 ~403256	Read Only	Reserved		
403240	Read/Write	LOGIC1	-32768 to 32767	
403241	Read/Write	LOGIC2	-32768 to 32767	
403242	Read/Write	LOGIC3	-32768 to 32767	
403243	Read/Write	LOGIC4	-32768 to 32767	
403244	Read/Write	LOGIC5	-32768 to 32767	
403245	Read/Write	LOGIC6	-32768 to 32767	
403246	Read/Write	LOGIC7	-32768 to 32767	
403247	Read/Write	LOGIC8	-32768 to 32767	
403248	Read/Write	LOGIC9	-32768 to 32767	
403249	Read/Write	LOGIC10	-32768 to 32767	
403250	Read/Write	HeartBeat	-32768 to 32767	
403251 ~403256	Read Only	Reserved		
403257	Read Only	Current CUT-IN Set Point	Range Low to High: 0 to 4095	same400129
403258	Read Only	Current PRESSURE CONTROL Set Point	Range Low to High: 0 to 4095	same400130
403259	Read Only	Current TEMPERATURE CONTROL Set Point	Range Low to High: 0 to 4095	same400131
403260	Read Only	Current CUT-OUT Set Point	Range Low to High: 0 to 4095	same400132
403261	Read Only	ALARM Status	(0): NO ALARM-NO FAILURE .1: ALARM-NO FAILURE .2: NO ALARM-FAILURE .3: ALARM-FAILURE	same402013
403262	Read Only	COMPRESSOR OPERATION MODE	(0) : LOCAL-OFF .1: LOCAL-ON .2: REMOTE-OFF .3: REMOTE-ON .4: COMM-OFF .5: COMM-ON .6: AUTO STAGE-OFF .7: AUTO STAGE-ON	same402015
403263	Read Only	COMPRESSOR STATUS	(0) : STOP .1: ANTI CYCLE .2: AUTO STOP .3: CUT IN .4: SYSTEM START .5: OIL PUMP START .6: PRE START .7: START .8: RUN .9: CUT OUT 10: PUMP OUT	same402017
403264	Read Only	Delay Timers to Time Up.	Seconds	same402018
403265	Read Only	COMPRESSOR MOTOR SPEED	RPM/Hz	same402038
403266	Read Only	CONDENSER FAN/PUMP SPEED	RPM/Hz	same402039

Register Number	Attribute	Name	Range	Note
400281 403003	Read Only	ALARM Coil No. 129 to 144	Bit 0: Undefined Bit 1: $\angle$ OP LOW HMI No. #47 Bit 2: $\angle$ P LOW HMI No. #48 Bit 3: DISCHARGE PRESSURE HIGH HMI No. #49 Bit 4: DISCHARGE TEMPERATURE HIGH HMI No. #50 Bit 5: OIL SUPPLY TEMPERATURE HIGH HMI No. #51 Bit 6: COMPRESSOR MOTOR CURRENT HIGH HMI No. #52 Bit 7: INTERMEDIATE PRESSURE HIGH HMI No. #53 Bit 8: SUCTION PRESSURE LOW HMI No. #54 Bit 9: LEAVING BRINE TEMPERATURE LOW HMI No. #55 Bit 10: CAPACITY NO DOWN HMI No. #56 Bit 11: SUCTION SUPERHEAT LOW HMI No. #57 Bit 12: OIL FILTER HMI No. #58 Bit 13: RE-START HMI No. #59 Bit 14: HIGH STAGE HMI No. #60 Bit 15: INTERMEDIATE SUPERHEAT LOW HMI No. #61	
400282 403004	Read Only	ALARM Coil No. 145 to 160	Bit 0: ENTERING BRINE TEMPERATURE LOW HMI No. #62 Bit 1: SEPARATOR OIL TEMPERATURE LOW HMI No. #63 Bit 2: $\angle$ OP2 LOW HMI No. #64 Bit 3: SUCTION SUPERHEAT2 LOW HMI No. #65 Bit 4: AUTO Vi SLIDE HMI No. #66 Bit 5: FINE FILTER HMI No. #67 Bit 6: DISCHARGE SUPERHEAT LOW HMI No. #68 Bit 7: SUCTION PRESSURE HIGH HMI No. #69 Bit 8: SUCTION TEMPERATURE HIGH HMI No. #70 Bit 9: CHILLER LIQUID LEVEL LOW HMI No. #71 Bit 10: SUCTION TEMPERATURE LOW HMI No. #300 Bit 11: EVAPORATOR OIL RETURN LEVEL SWITCH HMI No. #304 Bit 12: EVPR OIL RETURN MV HMI No. #306 Bit 13: HIGH LSV POSITION HMI No. #308 Bit 14: OIL FILTER2 HMI No. #311 Bit 15: HEART BEAT ALARM	
400283 403005	Read Only	ALARM Coil No. 161 to 176	Bit 0: AUTO STAGE NO REQUEST HMI No. #72 Bit 1: AUTO STAGE LIST1 NO RESPONSE HMI No. #73 Bit 2: AUTO STAGE LIST2 NO RESPONSE HMI No. #74 Bit 3: AUTO STAGE LIST3 NO RESPONSE HMI No. #75 Bit 4: AUTO STAGE LIST4 NO RESPONSE HMI No. #76 Bit 5: AUTO STAGE LIST5 NO RESPONSE HMI No. #77 Bit 6: AUTO STAGE LIST6 NO RESPONSE HMI No. #78 Bit 7: AUTO STAGE LIST7 NO RESPONSE HMI No. #79 Bit 8: AUTO STAGE LIST8 NO RESPONSE HMI No. #80 Bit 9: OPTION ANALOG INPUT1 LOW HMI No. #81 Bit 10: OPTION ANALOG INPUT1 HIGH HMI No. #82 Bit 11: OPTION ANALOG INPUT2 LOW HMI No. #83 Bit 12: OPTION ANALOG INPUT2 HIGH HMI No. #84 Bit 13: OPTION ANALOG INPUT3 LOW HMI No. #85 Bit 14: OPTION ANALOG INPUT3 HIGH HMI No. #86 Bit 15: OPTION ANALOG INPUT4 LOW HMI No. #87	
400284 403006	Read Only	ALARM Coil No. 177 to 192	Bit 0: OPTION ANALOG INPUT4 HIGH HMI No. #88 Bit 1: Undefined (Always OFF.) Bit 2: Undefined (Always OFF.) Bit 3: Undefined (Always OFF.) Bit 4: Undefined (Always OFF.) Bit 5: Undefined (Always OFF.) Bit 6: Undefined (Always OFF.) Bit 7: Undefined (Always OFF.) Bit 8: Undefined (Always OFF.) Bit 9: Undefined (Always OFF.) Bit 10: Undefined (Always OFF.) Bit 11: Undefined (Always OFF.) Bit 12: Undefined (Always OFF.) Bit 13: Undefined (Always OFF.) Bit 14: Undefined (Always OFF.) Bit 15: Undefined (Always OFF.)	
400285 403007	Read Only	ALARM Coil No. 193 to 208	Undefined (Always Zero.)	
400286 403008	Read Only	ALARM Coil No. 209 to 224	Undefined (Always Zero.)	
400287 403009	Read Only	ALARM Coil No. 225 to 240	Undefined (Always Zero.)	

Register Number	Attribute	Name	Range	Note
400288 403010	Read Only	ALARM Coil No. 241 to 256	Undefined (Always Zero.)	
400289 403011	Read Only	FAILURE Coil No. 257 to 272	Bit 0: START HMI No. #89 Bit 1: JOP LOW HMI No. #90 Bit 2: J/P LOW HMI No. #91 Bit 3: DISCHARGE PRESSURE HIGH HMI No. #92 Bit 4: DISCHARGE TEMPERATURE HIGH HMI No. #93 Bit 5: OIL SUPPLY TEMPERATURE HIGH HMI No. #94 Bit 6: COMPRESSOR MOTOR CURRENT HIGH HMI No. #95 Bit 7: OIL FILTER HMI No. #96 Bit 8: INTERLOCK-2 HMI No. #97 Bit 9: EMERGENCY STOP HMI No. #98 Bit 10: OIL LEVEL LOW HMI No. #99 Bit 11: FINE FILTER HMI No. #100 Bit 12: INTERMEDIATE PRESSURE HIGH HMI No. #101 Bit 13: INTERLOCK HMI No. #102 Bit 14: LEAVING BRINE TEMPERATURE LOW HMI No. #103 Bit 15: INTERLOCK-3 HMI No. #104	
400290 403012	Read Only	FAILURE Coil No. 273 to 288	Bit 0: SUCTION PRESSURE LOW HMI No. #105 Bit 1: SUCTION PRESSURE OVER RANGE HMI No. #106 Bit 2: DISCHARGE PRESSURE UNDER RANGE HMI No. #107 Bit 3: OIL SUPPLY PRESSURE OVER RANGE HMI No. #108 Bit 4: OIL FILTER PRESSURE OVER RANGE HMI No. #109 Bit 5: SUCTION TEMPERATURE UNDER/OVER RANGE HMI No. #110 Bit 6: DISCHARGE TEMPERATURE UNDER RANGE HMI No. #111 Bit 7: OIL SUPPLY TEMPERATURE UNDER RANGE HMI No. #112 Bit 8: INTERMEDIATE PRESSURE UNDER RANGE HMI No. #113 Bit 9: INTERMEDIATE TEMPERATURE UNDER/OVER RANGE HMI No. #114 Bit 10: COMPRESSOR MOTOR CURRENT UNDER RANGE HMI No. #115 Bit 11: LEAVING BRINE TEMPERATURE OVER RANGE HMI No. #116 Bit 12: LOW SLIDE VALVE POSITION UNDER/OVER RANGE HMI No. #117 Bit 13: HIGH SLIDE VALVE POSITION UNDER/OVER RANGE HMI No. #118 Bit 14: CHILLER GAS TEMPERATURE1&2 UNDER/OVER RANGE HMI No. #119 Bit 15: SUCTION PRESSURE1&2 UNDER/OVER RANGE HMI No. #120	
400291 403013	Read Only	FAILURE Coil No. 289 to 304	Bit 0: Undefined (Always OFF.) Bit 1: SUCTION SUPERHEAT LOW HMI No. #121 Bit 2: SUCTION SUPERHEAT2 LOW HMI No. #122 Bit 3: SUCTION PRESSURE HIGH HMI No. #123 Bit 4: SUCTION TEMPERATURE HIGH HMI No. #124 Bit 5: SUCTION TEMPERATURE LOW HMI No. #301 Bit 6: ENTERING BRINE TEMPERATURE UNDER/OVER RANGE HMI No. #302 Bit 7: EVAPORATOR OIL RETURN LEVEL SWITCH HMI No. #305 Bit 8: EVPR OIL RETURN MV HMI No. #307 Bit 9: OPTION ANALOG INPUT1 LOW HMI No. #125 Bit 10: OPTION ANALOG INPUT1 HIGH HMI No. #126 Bit 11: OPTION ANALOG INPUT2 LOW HMI No. #127 Bit 12: OPTION ANALOG INPUT2 HIGH HMI No. #128 Bit 13: OPTION ANALOG INPUT3 LOW HMI No. #129 Bit 14: OPTION ANALOG INPUT3 HIGH HMI No. #130 Bit 15: OPTION ANALOG INPUT4 LOW HMI No. #131	



Register Number	Attribute	Name	Range	Note
400292 403014	Read Only	FAILURE Coil No. 305 to 320	Bit 0:OPTION ANALOG INPUT4 HIGH HMI No.#132	
			Bit 1:SEPARATOR OIL TEMPERATURE LOW HMI No.#309	
			Bit 2:OIL FILTER2 HMI No.#600	
			Bit 3:HMI COMMUNICATION FAILURE	
			Bit 4:HEART BEAT FAILURE	
			Bit 5:Undefined (Always OFF.)	
			Bit 6:Undefined (Always OFF.)	
			Bit 7:Undefined (Always OFF.)	
			Bit 8:Undefined (Always OFF.)	
			Bit 9:Undefined (Always OFF.)	
			Bit10:Undefined (Always OFF.)	
			Bit11:Undefined (Always OFF.)	
			Bit12:Undefined (Always OFF.)	
			Bit13:Undefined (Always OFF.)	
			Bit14:Undefined (Always OFF.)	
			Bit15:Undefined (Always OFF.)	

Revision Record			
Version		Date	Revision
Ver. 120.101.101		2013/1/16	First edition release
Ver. 203.116.136		2014/3/14	Update to Ver.203 403257~403266 Add ALARM & FAILURE more information Add
Ver. 207.120.135 Ver. 138.120.135		2014/9/25	Update to Ver.207 403134~403141 Change "Undefined" 403161~403167 Change "Undefined" 403004-bit10,11,12 Add 403013-bit5,6,7,8 Add
Ver. 208.121.135 Ver. 140.121.135		2014/10/23	400282 HIGH LSV POSITION ALARM Add
Ver. 220.133.145 Ver. 155.133.145		2016/8/17	ALARM&FAILURE Bit  403240~403249 LOGIC 403250 HeartBeat