

MYPRO TOUCH AREA

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	Address	
Read/Write	000513	Communication Compressor Start Input
Read/Write	000514	Communication Compressor Immediate Stop Input
Read/Write	000515	Communication Compressor Full Load Input
Read/Write	000516	Communication Compressor Load Limit input
Read/Write	000517	Undefined
Read/Write	000518	Communication Chiller LBT Controller 100% Input
Reserved	000519 ~000575	These coils should not be changed.
Read/Write	000576	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 10ⁿ.
 ("^" means power and "n" is the number of decimal place that is displayed 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.

Register Number	Attribute	Range	Note
403001	Read Only	DI/001 (b0) ~DI/016 (b15)	
403002	Read Only	DI/017 (b0) ~DI/032 (b15)	
403003	Read Only	No. 1 (b0) ~No. 16 (b15)	Refer ALARM&FAILURE Bits Sheet
403004	Read Only	No. 17 (b0) ~No. 32 (b15)	Refer ALARM&FAILURE Bits Sheet
403005	Read Only	No. 33 (b0) ~No. 48 (b15)	Refer ALARM&FAILURE Bits Sheet
403006	Read Only	No. 49 (b0) ~No. 64 (b15)	Refer ALARM&FAILURE Bits Sheet
403007	Read Only	No. 65 (b0) ~No. 80 (b15)	Refer ALARM&FAILURE Bits Sheet
403008	Read Only	No. 81 (b0) ~No. 96 (b15)	Refer ALARM&FAILURE Bits Sheet
403009	Read Only	No. 97 (b0) ~No.112 (b15)	Refer ALARM&FAILURE Bits Sheet
403010	Read Only	No.113 (b0) ~No.128 (b15)	Refer ALARM&FAILURE Bits Sheet
403011	Read Only	No. 1 (b0) ~No. 16 (b15)	Refer ALARM&FAILURE Bits Sheet
403012	Read Only	No. 17 (b0) ~No. 32 (b15)	Refer ALARM&FAILURE Bits Sheet
403013	Read Only	No. 33 (b0) ~No. 48 (b15)	Refer ALARM&FAILURE Bits Sheet
403014	Read Only	No. 49 (b0) ~No. 64 (b15)	Refer ALARM&FAILURE Bits Sheet
403015	Read Only	No. 65 (b0) ~No. 80 (b15)	Refer ALARM&FAILURE Bits Sheet
403016	Read Only	No. 81 (b0) ~No. 96 (b15)	Refer ALARM&FAILURE Bits Sheet
403017	Read Only	No. 97 (b0) ~No.112 (b15)	Refer ALARM&FAILURE Bits Sheet
403018	Read Only	No.113 (b0) ~No.128 (b15)	Refer ALARM&FAILURE Bits Sheet
403019	Read Only	Industrial Unit X 10 ⁿ	Local Suction Pressure
403020	Read Only	Industrial Unit X 10 ⁿ	Discharge Pressure
403021	Read Only	Industrial Unit X 10 ⁿ	Oil Supply Pressure
403022	Read Only	Industrial Unit X 10 ⁿ	After Filter Pressure
403023	Read Only	Industrial Unit X 10 ⁿ	Suction Temperature
403024	Read Only	Industrial Unit X 10 ⁿ	Discharge Temperature
403025	Read Only	Industrial Unit X 10 ⁿ	Oil Supply Temperature
403026	Read Only	Industrial Unit X 10 ⁿ	Oil Separator Temperature
403027	Read Only	Industrial Unit X 10 ⁿ	Intermediate Pressure
403028	Read Only	Industrial Unit X 10 ⁿ	Intermediate Temperature
403029	Read Only	Industrial Unit X 10 ⁿ	Chiller Liquid Level
403030	Read Only	Industrial Unit X 10 ⁿ	Compressor Motor Electric Current
403031	Read Only	Industrial Unit X 10 ⁿ	Chiller Inlet Temperature
403032	Read Only	Industrial Unit X 10 ⁿ	Chiller Outlet Temperature
403033	Read Only	Industrial Unit X 10 ⁿ	Low Stage Slide Valve Position
403034	Read Only	Industrial Unit X 10 ⁿ	High Stage Slide Valve position/Vi Port Slide Valve Position/System Suction Pressure
403035	Read Only	Industrial Unit X 10 ⁿ	Chiller Gas Pressure1
403036	Read Only	Industrial Unit X 10 ⁿ	Chiller Gas Temperature1
403037	Read Only	Industrial Unit X 10 ⁿ	System Suction Pressure
403038	Read Only	Industrial Unit X 10 ⁿ	Remote Capacity Control Target
403039	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403040	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403041	Read Only	Industrial Unit X 10 ⁿ	Chiller Gas Pressure2
403042	Read Only	Industrial Unit X 10 ⁿ	Chiller Gas Temperature2

Register Number	Attribute	Range	Note
403043	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403044	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403045	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403046	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403047	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403048	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403049	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403050	Read Only	Industrial Unit X 10 ⁿ	Real Analog Input
403051	Read Only	Industrial Unit X 10 ⁿ	Oil Differential Pressure
403052	Read Only	Industrial Unit X 10 ⁿ	Filter Differential Pressure
403053	Read Only	Industrial Unit X 10 ⁿ	Differential Pressure
403054	Read Only	Industrial Unit X 10 ⁿ	Suction Superheat
403055	Read Only	Industrial Unit X 10 ⁿ	Intermediate Superheat
403056	Read Only	Industrial Unit X 10 ⁿ	Discharge Superheat
403057	Read Only	Industrial Unit X 10 ⁿ	Discharge/Suction Pressure Ratio
403058	Read Only	Industrial Unit X 10 ⁿ	Calculated Vi
403059	Read Only	Industrial Unit X 10 ⁿ	Current Vi
403060	Read Only	Industrial Unit X 10 ⁿ	Compressor Capacity
403061	Read Only	Industrial Unit X 10 ⁿ	Slide Valve Percentage
403062	Read Only	Industrial Unit X 10 ⁿ	Auto Stage Target Pressure
403063	Read Only	Industrial Unit X 10 ⁿ	Oil Differential Pressure2
403064	Read Only	Industrial Unit X 10 ⁿ	Suction Superheat2
403065	Read Only	Industrial Unit X 10 ⁿ	Fine Filter Differential Pressure
403066	Read Only	Industrial Unit X 10 ⁿ	Pseudo Analog Input
403067	Read Only	Industrial Unit X 10 ⁿ	PID1/16SV
403068	Read Only	Industrial Unit X 10 ⁿ	Local/System Suction/Discharge Pressure
403069	Read Only	0.0~100.0%:0~1000	Output of Low Stage Slide Valve Control on Pressure/Combined
403070	Read Only	Industrial Unit X 10 ⁿ	PID2/16SV
403071	Read Only	Industrial Unit X 10 ⁿ	Chiller Outlet Temperature
403072	Read Only	0.0~100.0%:0~1000	Output of Low Stage Slide Valve Control on Temperature
403073	Read Only	Industrial Unit X 10 ⁿ	PID3/16SV
403074	Read Only	Industrial Unit X 10 ⁿ	Suction Superheat
403075	Read Only	0.0~100.0%:0~1000	Output of Chiller Expansion Valve Control
403076	Read Only	Industrial Unit X 10 ⁿ	PID4/16SV
403077	Read Only	Industrial Unit X 10 ⁿ	Local Suction Pressure
403078	Read Only	0.0~100.0%:0~1000	Output of Limitation of Chiller Expansion Valve Control
403079	Read Only	Industrial Unit X 10 ⁿ	PID5/16SV
403080	Read Only	Industrial Unit X 10 ⁿ	Chiller Outlet Temperature
403081	Read Only	0.0~100.0%:0~1000	Output of Limitation of Chiller Expansion Valve Control
403082	Read Only	Industrial Unit X 10 ⁿ	PID6/16SV
403083	Read Only	Industrial Unit X 10 ⁿ	Intermediate Superheat
403084	Read Only	0.0~100.0%:0~1000	Output of Economizer/Inter Cooler Expansion Valve Control
403085	Read Only	Industrial Unit X 10 ⁿ	PID7/16SV
403086	Read Only	Industrial Unit X 10 ⁿ	Discharge Temperature/Superheat
403087	Read Only	0.0~100.0%:0~1000	Output of Liquid Injection Control
403088	Read Only	Industrial Unit X 10 ⁿ	PID8/16SV
403089	Read Only	Industrial Unit X 10 ⁿ	Chiller Outlet Temperature
403090	Read Only	0.0~100.0%:0~1000	Output of Brine Flow Control
403091	Read Only	Industrial Unit X 10 ⁿ	PID9/16SV
403092	Read Only	Industrial Unit X 10 ⁿ	Local/System Discharge pressure
403093	Read Only	0.0~100.0%:0~1000	Output of Condenser Fan/Pump Control
403094	Read Only	Industrial Unit X 10 ⁿ	PID10/16SV
403095	Read Only	Industrial Unit X 10 ⁿ	Intermediate Pressure
403096	Read Only	0.0~100.0%:0~1000	Output of High Stage Slide Valve Control
403097	Read Only	Industrial Unit X 10 ⁿ	PID11/16SV
403098	Read Only	Industrial Unit X 10 ⁿ	Local/System Suction/Discharge Pressure
403099	Read Only	0.0~100.0%:0~1000	Output of Compressor Motor on Pressure/Combined
403100	Read Only	Industrial Unit X 10 ⁿ	PID12/16SV
403101	Read Only	Industrial Unit X 10 ⁿ	Chiller Outlet Temperature
403102	Read Only	0.0~100.0%:0~1000	Output of Compressor Motor on Temperature
403103	Read Only	Industrial Unit X 10 ⁿ	PID13/16SV

Register Number	Attribute	Range	Note
403104	Read Only	Industrial Unit X 10 ⁿ	Suction Superheat2
403105	Read Only	0.0~100.0%:0~1000	Output of Chiller Expansion Valve2 Control
403106	Read Only	Industrial Unit X 10 ⁿ	PID14/16SV
403107	Read Only	Industrial Unit X 10 ⁿ	Suction Pressure2
403108	Read Only	0.0~100.0%:0~1000	Output of Limitation of Chiller Expansion Valve2 Control
403109	Read Only	Industrial Unit X 10 ⁿ	PID15/16SV
403110	Read Only	Industrial Unit X 10 ⁿ	Chiller Liquid Level
403111	Read Only	0.0~100.0%:0~1000	Output of Chiller Liquid Level Control
403112	Read Only	Industrial Unit X 10 ⁿ	Undefined
403113	Read Only	Industrial Unit X 10 ⁿ	Undefined
403114	Read Only	0.0~100.0%:0~1000	Undefined
403115	Read Only		RUN TIME Low 16bits of 32bits Hours
403116	Read Only	RUN TIME = (R43065) + 65536 X (R43066)	RUN TIME High 16bits of 32bits Hours
403117	Read Only		TOTAL RUN TIME Low 16bits of 32bits Hours
403118	Read Only	RUN TIME = (R43067) + 65536 X (R43068)	TOTAL RUN TIME High 16bits of 32bits Hours
403119	Read Only	0(SUN.) to Six(SAT.)	Week
403120	Read Only	1 to 12	Month
403121	Read Only	1 to 31	Day
403122	Read Only	A.D. Four digits.	Year
403123	Read Only	0 to 23	Hour
403124	Read Only	0 to 59	Minute
403125	Read Only	0 to 59	Second
403126	Read Only	Undefined	
403127	Read Only	Undefined	
403128	Read Only	Undefined	
403129	Read/Write	Industrial Unit X 10 ⁿ	CUT IN Set Point
403130	Read/Write	Industrial Unit X 10 ⁿ	CUT OUT Set Point
403131	Read/Write	Industrial Unit X 10 ⁿ	Pressure Set Point of CAPACITY CONTROL
403132	Read/Write	Industrial Unit X 10 ⁿ	Temperature Set Point of CAPACITY CONTROL
403133	Read/Write	0.0~100.0%:0~1000	Capacity Set Point
403134	Read/Write	Undefined	
403135	Read/Write	Undefined	
403136	Read/Write	Undefined	
403137	Read/Write	Undefined	
403138	Read/Write	Undefined	
403139	Read/Write	Undefined	
403140	Read/Write	Undefined	
403141	Read/Write	Undefined	
403142	Read/Write	Undefined	
403143	Read/Write	Undefined	
403144	Read/Write	Undefined	

Register Number	Attribute	Range	Note
403145	Read/Write	0.0~100.0%:0~1000	PID 1/16 Set Point MVL of VFD COMPRESSSER CONTROLLER on Press
403146	Read/Write	0.0~100.0%:0~1000	PID 1/16 Set Point MVH of VFD COMPRESSOR CONTROLLER on Press
403147	Read/Write	0.0~100.0%:0~1000	PID 2/16 Set Point MVL of VFD COMPRESSOR CONTROLLER on Temp
403148	Read/Write	0.0~100.0%:0~1000	PID 2/16 Set Point MVH of VFD COMPRESSOR CONTROLLER on Temp
403149	Read/Write	0.0~100.0%:0~1000	PID11/16 Set Point MVL of VFD COMPRESSOR CONTROLLER on Press
403150	Read/Write	0.0~100.0%:0~1000	PID11/16 Set Point MVH of VFD COMPRESSOR CONTROLLER on Press
403151	Read/Write	0.0~100.0%:0~1000	PID12/16 Set Point MVL of VFD COMPRESSOR CONTROLLER on Temp
403152	Read/Write	0.0~100.0%:0~1000	PID12/16 Set Point MVH of VFD COMPRESSOR CONTROLLER on Temp
403153	Read/Write	(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	0:NO, (1):YES	OPERATION MODE>COMPRESSOR AUTO START/STOP
403155	Read/Write	(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	(0):SETPOINT #1 , 1:SETPOINT #2 , 2:SETPOINT #3 , 3:SETPOINT #4 , 4:SCHEDULER , 5:COMM	SET POINTS>SCHEDULER>CONTROL TARGET
403157	Read/Write	(0):SET POINT#1, 1:SET POINT#2	OPERATION MODE>ALARM/FAILURE
403158	Read/Write	(0):MANUAL , 1:AUTO , 2:REMOTE DIGITAL , 3:REMOTE ANALOG , 4:COMM	CAPACITY CONTROL>MONITOR>OPERATION
403159	Read/Write	(0):MANUAL , 1:AUTO , 2:REMOTE DIGITAL , 3:REMOTE ANALOG , 4:COMM	VFD COMPRESSOR CONTROL>MONITOR>OPERATION
403160	Read/Write	(0):DISABLE, 1:ENABLE	CAPACITY CONTROL>MVL%/MVH% BY COMM
403161 ~403256	Read/Write	Undefined	

Register Number	Attribute	Range	Note
403257	Read Only	Range Low to High:0 to 4095	Current CUT-IN Set Point
403258	Read Only	Range Low to High:0 to 4095	Current PRESSURE CONTROL Set Point
403259	Read Only	Range Low to High:0 to 4095	Current TEMPERATURE CONTROL Set Point
403260	Read Only	Range Low to High:0 to 4095	Current CUT-OUT Set Point
403261	Read Only	(0):NO ALARM-NO FAILURE ,1:ALARM-NO FAILURE ,2:NO ALARM-FAILURE ,3:ALARM-FAILURE	ALARM Status
403262	Read Only	(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	COMPRESSOR OPERATION MODE
403263	Read Only	(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	:COMPRESSOR STATUS
403264	Read Only	Seconds	Delay Timers to Time Up.
403265	Read Only	RPM/Hz	VFD COMPRESSOR Revolution
403266	Read Only	RPM/Hz	VFD CONDENSER Revolution
403267 ~403385	Read Only	Undefined	

Register Number	Attribute	Reference	Bit Alignment
403003	ALARM No. 1to16	400281	Bit 0:Undefined
			Bit 1:△OP LOW
			Bit 2:△P LOW
			Bit 3:DISCHARGE PRESSURE HIGH
			Bit 4:DISCHARGE TEMPERATURE HIGH
			Bit 5:OIL SUPPLY TEMPERATURE HIGH
			Bit 6:COMPRESSOR MOTOR CURRENT HIGH
			Bit 7:INTERMEDIATE PRESSURE HIGH
			Bit 8:SUCTION PRESSURE LOW
			Bit 9:LEAVING BRINE TEMPERATURE LOW
			Bit10:CAPACITY NO DOWN
			Bit11:SUCTION SUPERHEAT LOW
			Bit12:OIL FILTER
			Bit13:RE-START
			Bit14:HIGH STAGE
			Bit15:INTERMEDIATE SUPERHEAT LOW
403004	ALARM No. 17to32	400282	Bit 0:ENTERING BRINE TEMPERATURE LOW
			Bit 1:SEPARATOR OIL TEMPERATURE LOW
			Bit 2:△OP2 LOW
			Bit 3:SUCTION SUPERHEAT2 LOW
			Bit 4:AUTO Vi SLIDE
			Bit 5:FINE FILTER
			Bit 6:DISCHARGE SUPERHEAT LOW
			Bit 7:SUCTION PRESSURE HIGH
			Bit 8:SUCTION TEMPERATURE HIGH
			Bit 9:CHILLER LIQUID LEVEL LOW
			Bit10:SUCTION TEMPERATURE LOW
			Bit11:EVAPORATOR OIL RETURN LEVEL SWITCH
			Bit12:EVPR OIL RETURN MV
			Bit13:HIGH LSV POSITION
			Bit14:Undefined
			Bit15:Undefined
403005	ALARM No. 33to48	400283	Bit 0:AUTO STAGE NO REQUEST
			Bit 1:AUTO STAGE LIST1 NO RESPONSE
			Bit 2:AUTO STAGE LIST2 NO RESPONSE
			Bit 3:AUTO STAGE LIST3 NO RESPONSE
			Bit 4:AUTO STAGE LIST4 NO RESPONSE
			Bit 5:AUTO STAGE LIST5 NO RESPONSE
			Bit 6:AUTO STAGE LIST6 NO RESPONSE
			Bit 7:AUTO STAGE LIST7 NO RESPONSE
			Bit 8:AUTO STAGE LIST8 NO RESPONSE
			Bit 9:OPTION ANALOG INPUT1 LOW
			Bit10:OPTION ANALOG INPUT1 HIGH
			Bit11:OPTION ANALOG INPUT2 LOW
			Bit12:OPTION ANALOG INPUT2 HIGH
			Bit13:OPTION ANALOG INPUT3 LOW
			Bit14:OPTION ANALOG INPUT3 HIGH
			Bit15:OPTION ANALOG INPUT4 LOW
403006	ALARM No. 49to64	400284	Bit 0:OPTION ANALOG INPUT4 HIGH
			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.)
			Bit10:Undefined (Always OFF.)
			Bit11:Undefined (Always OFF.)
			Bit12:Undefined (Always OFF.)
			Bit13:Undefined (Always OFF.)
			Bit14:Undefined (Always OFF.)
			Bit15:Undefined (Always OFF.)

Register Number	Attribute	Reference	Bit Alignment
403007	ALARM No. 65to80	400285	Undefined (Always Zero.)
403008	ALARM No. 80to96	400286	Undefined (Always Zero.)
403009	ALARM No. 97 to112	400287	Undefined (Always Zero.)
403010	ALARM No. 113 to128	400288	Undefined (Always Zero.)
403011	FAILURE No. 1to16	400289	Bit 0:START
			Bit 1:TOP LOW
			Bit 2:AP LOW
			Bit 3:DISCHARGE PRESSURE HIGH
			Bit 4:DISCHARGE TEMPERATURE HIGH
			Bit 5:OIL SUPPLY TEMPERATURE HIGH
			Bit 6:COMPRESSOR MOTOR CURRENT HIGH
			Bit 7:OIL FILTER
			Bit 8:INTERLOCK-2
			Bit 9:EMERGENCY STOP
			Bit10:OIL LEVEL LOW
			Bit11:FINE FILTER
			Bit12:INTERMEDIATE PRESSURE HIGH
			Bit13:INTERLOCK
			Bit14:LEAVING BRINE TEMPERATURE LOW
			Bit15:INTERLOCK-3
403012	FAILURE No. 17to32	400290	Bit 0:SUCTION PRESSURE LOW
			Bit 1:SUCTION PRESSURE OVER RANGE
			Bit 2:DISCHARGE PRESSURE UNDER RANGE
			Bit 3:OIL SUPPLY PRESSURE OVER RANGE
			Bit 4:OIL FILTER PRESSURE OVER RANGE
			Bit 5:SUCTION TEMPERATURE UNDER/OVER RANGE
			Bit 6:DISCHARGE TEMPERATURE UNDER RANGE
			Bit 7:OIL SUPPLY TEMPERATURE UNDER RANGE
			Bit 8:INTERMEDIATE PRESSURE UNDER RANGE
			Bit 9:INTERMEDIATE TEMPERATURE UNDER/OVER RANGE
			Bit10:COMPRESSOR MOTOR CURRENT UNDER RANGE
			Bit11:LEAVING BRINE TEMPERATURE OVER RANGE
			Bit12:LOW SLIDE VALVE POSITION UNDER/OVER RANGE
			Bit13:HIGH SLIDE VALVE POSITION UNDER/OVER RANGE
			Bit14:CHILLER GAS TEMPERATURE1&2 UNDER/OVER RANGE
			Bit15:SUCTION PRESSURE1&2 UNDER/OVER RANGE
403013	FAILURE No. 33to48	400291	Bit 0:Undefined (Always OFF.)
			Bit 1:SUCTION SUPERHEAT LOW
			Bit 2:SUCTION SUPERHEAT2 LOW
			Bit 3:SUCTION PRESSURE HIGH
			Bit 4:SUCTION TEMPERATURE HIGH
			Bit 5:SUCTION TEMPERATURE LOW
			Bit 6:ENTERING BRINE TEMPERATURE UNDER/OVER RANGE
			Bit 7:EVAPORATOR OIL RETURN LEVEL SWITCH
			Bit 8:EVPR OIL RETURN MV
			Bit 9:OPTION ANALOG INPUT1 LOW
			Bit10:OPTION ANALOG INPUT1 HIGH
			Bit11:OPTION ANALOG INPUT2 LOW
			Bit12:OPTION ANALOG INPUT2 HIGH
			Bit13:OPTION ANALOG INPUT3 LOW
			Bit14:OPTION ANALOG INPUT3 HIGH
			Bit15:OPTION ANALOG INPUT4 LOW

Register Number	Attribute	Reference	Bit Alignment
403014	FAILURE No. 49to64	400292	Bit 0:OPTION ANALOG INPUT4 HIGH
			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.)
			Bit10:Undefined (Always OFF.)
			Bit11:Undefined (Always OFF.)
			Bit12:Undefined (Always OFF.)
			Bit13:Undefined (Always OFF.)
			Bit14:Undefined (Always OFF.)
			Bit15:Undefined (Always OFF.)
403015	FAILURE No. 65to80	400293	Undefined (Always Zero.)
403016	FAILURE No. 80to96	400294	Undefined (Always Zero.)
403017	FAILURE No. 97 to112	400295	Undefined (Always Zero.)
403018	FAILURE No. 113 to128	400296	Undefined (Always Zero.)

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