

제4장 Modbus system map

Communication Control	RS-485
Baud rate	9600, 19200, 38400, 57600 bps
Data Frame	1 Start bit, 8 Data bit, 1 Stop bit (Total 10 bit)
Parity	Non Parity
Slave No.	1~99 (Device Setting)
Retry time	통신 동작 모드시 180sec이내 다른 동작 Data가 없을 경우 자동으로 동작을 정지 하며 다음 Data 준비를 합니다.

4-1. SYSTEM CHECK (Input Register)

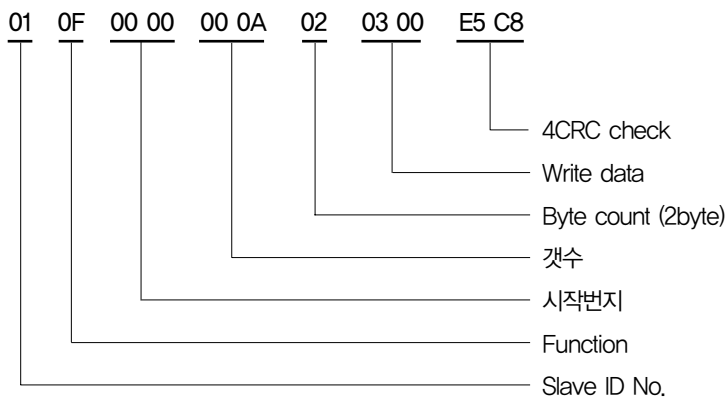
Code	Address	Parameter	Bytes	R/W	Unit	Data Mag.	Data Type
Operating mode status check							
04h	30000	Data Hi bit 15~bit 8 Reserved Data Low bit 0 mode (0=Analog signal, 1=485 data)	2	Rx	-		unsigned 16
Error signal check							
04h	30001	Data Hi bit 15~bit 8 Reserved Data Low bit 1 No Signal bit 0 Heat sink over temp. (0=Not Fault, 1=Fault)	2	Rx	-		unsigned 16
Load output status check							
04h	30002	Data Hi bit 2~7 Reserved bit 1 Line 10 bit 0 Line 9 Data LOW bit 7 Line 8 bit 6 Line 7 bit 5 Line 6 bit 4 Line 5 bit 3 Line 4 bit 2 Line 3 bit 1 Line 2 bit 0 Line 1 (0=OFF, 1=ON)	2	R	-		unsigned 16
Heat sink TEMP. check							
04h	30002	Temp. (1~120℃) Temp. ex) 1 125 Data HI 00h 00h Data LO 01h 78h	2	R	℃		unsigned 16

4-2. Output Value "cycle mode" (Holding Register)

Code	Address	Parameter	Step	Data Mag.	Bytes	R/W	Unit	Data Type
03h	40000	ch1 output value ex) Output Data HI Data LO 10% 00h 0Ah 100% 00h 64h	1	Rx	2	R	%	unsigned 16
	40001	ch2 output value						
	40002	ch3 output value						
	40003	ch4 output value						
	40004	ch5 output value						
	40005	ch6 output value						
	40006	ch7 output value						
	40007	ch8 output value						
	40008	ch9 output value						
	40009	ch10 output value						

4-3. SSR ON/OFF CONTROL (Write multiple coils)

Code	Address	Parameter	Bytes	R/W	Unit	Data Mag.	Data Type
System Status Check							
0Fh	150000	Data HI bit 0~bit 7 ch 1~8 (0=OFF, 1=ON) Data LOW bit 7~bit 2 Reserved bit 0~bit 1 ch 1~8 (0=OFF, 1=ON)	2	W	-	-	unsigned 16



4-4. SSR CYCLE CONTROL (Write multiple registers)

Code	Address	Parameter	Bytes	R/W	Unit	Data Mag.	Data Type
System Status Check							
10h	160000	Write data Output 10% Data HI Data LO 100% 00h 0Ah 100% 00h 64h	2	W	-	-	unsigned 16

