



MODBUS-MAP

(Ground Fault Relay)

1 Circuit type

WYGF-D11S, D11T

MODBUS System Control for 1_GFR

Communication Control	RS-485
Baud rate	9600, 19200, 38400 bps
Data Frame	1 Start bit, 8 Data bit, 1 Stop bit (Total 10 bit)
Parity	Non Parity
Slave No. 지정	1 ~ 100 (Device Setting)

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1. SYSTEM STATUS CHECK (Input Register)

Code	Address	Parameter	Bytes	R/W	Unit	Data Mag.	Data Type
System Status Check							
04h	30000	Data HI bit 15 ~ bit 8 Reserved Data LOW bit 7 ~ bit 2 Reserved bit 1 AUTO RESET (0=OFF, 1=ON) bit 0 FREQUENCY SET (0=60Hz, 1=50Hz)	2	R	A		unsigned 16

2. FAULT STATUS CHECK (Input Register)

Code	Address	Parameter	Bytes	R/W	Unit	Data Mag.	Data Type
Line Phase Check (Fault Monitoring)							
04h	30001	Data HI bit 15 ~ bit 8 Reserved Data LOW bit 7 Reserved bit 6 Reserved bit 5 Reserved bit 4 Reserved bit 3 Reserved bit 2 Reserved bit 1 Reserved bit 0 1_GFR Fault (0=Not Fault, 1=Fault)	2	R	A		unsigned 16

3. LINE CURRENT CHECK (Input Register)

Code	Address	Parameter	Bytes	R/W	Unit	Data Mag.	Data Type
Analog Data Check (Current Monitoring)							
04h	30002	1_GFR Current ex) Current Data HI Data LO 0.2A 00h 14h ~ 10A 03h E8h	2	R	A	1000	unsigned 16

4. SETCHECK (Holding Register)

Code	Address	Parameter	Step	Data Mag.	Bytes	R/W	Unit	Data Type
Channel Operating Set (OCGR Set)								
03h	40000	1_GFR Current Setting TAP Range (Inst, 0.1 ~ 10.0 A) ex) Current Data HI Data LO LOCK 00h 00h 0.2A 00h 02h ~ 2A 00h 14h	1		2	R/W	A	unsigned 16
	40001	1_GFR Delay Time Setting TAP Range (Inst, 0.1 ~ 10 Sec) ex) Time Data HI Data LO INST 00h 00h 0.1 00h 0Ah ~ 10 03h E8h						

5. FAULT MEMORY CHECK (Holding Register)

Code	Address	Parameter	Step	Data Mag.	Bytes	R/W	Unit	Data Type
Fault Check								
03h	40002	Latest Fault Memory Check ex) Current Data HI Data LO 0.1 00h 0Ah ~ 10.0 03h E8h (0=Not Fault, XXh=Fault)			2	R		unsigned 16
	40003	Latest Fault - 1 (0=Not Fault, XXh=Fault)						
	40004	Latest Fault - 2 (0=Not Fault, XXh=Fault)						
	40005	Latest Fault - 3 (0=Not Fault, XXh=Fault)						
	40006	Latest Fault - 4 (0=Not Fault, XXh=Fault)						
	40007	Latest Fault - 5 (0=Not Fault, XXh=Fault)						
	40008	Latest Fault - 6 (0=Not Fault, XXh=Fault)						
	40009	Latest Fault - 7 (0=Not Fault, XXh=Fault)						
	40010	Latest Fault - 8 (0=Not Fault, XXh=Fault)						
	40011	Latest Fault - 9 (0=Not Fault, XXh=Fault)						

6. FAULT CLEAR (Control Output)

Code	Address	Parameter	Bytes	R/W	Unit	Data Type
Fault Memory Clear						
05h	0	Clear Fault Memory	2	W	없음	unsigned 16

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