RS485(ModBus RTU Mode)

1. Function 03H (Read Holding Registers)

Request Data Frame; EX: Read the data of display value(0000H starts from 1 Word)

SLAVE Address	FUNCTION	Starting Address Hi	Starting Address Lo	No. of Word Hi	No. of Word Lo	CRC Lo	CRC Hi
01H	03H	00H	00H	00H	01H	84H	0AH

Response Data Frame; EX: The response value is ”0”

SLAVE Address	FUNCTION	Byte count	Data Hi	Data Lo	CRC Lo	CRC Hi
01H	03H	02H	00H	00H	B8H	44H

Request Data Frame (EX: Continue to request the data of 10 points)

SLAVE Address	FUNCTION	Starting Address Hi	Starting Address Lo	No. of Word Hi	No. of Word Lo	CRC Lo	CRC Hi
01H	03H	00H	00H	00H	0AH	C5H	CDH

Response Data Frame

SLAVE Address	FUNCTION	Byte count	Data(1) Hi	Data(1) Lo	…	…	Data(10) Hi	Data(10) Lo	CRC Lo	CRC Hi
01H	03H	14H	00H	00H	…	…	01H	00H	--	--

2. Writing Command by Function 06H (Preset Single Register)

Request Data Frame

SLAVE Address	FUNCTION Code	Starting Address Hi	Starting Address Lo	Preset DATA Hi	Preset DATA Lo	CRC Lo	CRC Hi
01H	06H	00H	00H	00H	02H	08H	0BH

Response Data Frame

SLAVE Address	FUNCTION Code	Starting Address Hi	Starting Address Lo	Preset DATA Hi	Preset DATA Lo	CRC Lo	CRC Hi
01H	06H	00H	00H	00H	02H	08H	0BH

■ DKWH ADDRESS TABLE **Address number are Hexadecimal

➢ USER LEVEL

Name	Address	Range	Explain	Initial	Write/Read	Note
		Three Word Area				
TOTAL*	0000h	-1999999999~ 9999999999	Energy ***(High Word)**		R	
TOTAL*	0001h		Energy ***(Mid Word)**		R	
TOTAL*	0002h		Energy ***(Low Word)**		R	
BATCH ENERGY*	0003h	-1999999999~ 9999999999	Batch Energy Energy ***(High Word)**		R	
BATCH ENERGY*	0004h		Batch Energy Energy ***(Mid Word)**		R	
BATCH ENERGY*	0005h		Batch Energy Energy ***(Low Word)**		R	
1	0060h	0~3	RS485 parity **0:** n-8-1 **1:** n-8-2, **2:** odd, **3:** even,	01h	R/W	