

Hengtong HT_EMS

Supported Series : HT_EMS

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	HT_EMS		
PLC I/F	RS232		
Baud rate	115200		
Data bits	8		
Parity	None		
Stop bits	1		
PLC sta. no.	0		

Online simulator	YES	Extend address mode	YES
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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	EMS Bit	DDDDDDdd	0 ~ 3276715	EMS bit
W	EMS	DDDD	0 ~ 1023	
W	PCS	DDDD	0 ~ 1023	
W	STS	DDDD	0 ~ 1023	
W	Central control Postive	DDDD	0 ~ 1023	*Note1,*Note4
W	Central control Negtive	DDDD	0 ~ 1023	*Note1,*Note4
W	Battery stack	DDDD	0 ~ 1023	
W	Battery cluster	DDDD	0 ~ 1023	
W	PV INV	DDDD	0 ~ 1023	
W	PV junction box	DDDD	0 ~ 1023	
W	DC charging pile	DDDD	0 ~ 1023	
W	AC charging pile	DDDD	0 ~ 1023	
W	Grid gateway meter	DDDD	0 ~ 1023	
W	ESS gateway meter	DDDD	0 ~ 1023	
W	PV INV gateway meter	DDDD	0 ~ 1023	
W	Charging pile gateway	DDDD	0 ~ 1023	
W	Wind energy gateway	DDDD	0 ~ 1023	
W	Load gateway meter	DDDD	0 ~ 1023	

Bit/Word	Device type	Format	Range	Memo
W	ACDC	DDDD	0 ~ 1023	
W	DCDC	DDDD	0 ~ 1023	
W	Air-condition	DDDD	0 ~ 1023	
W	Fire fighting	DDDD	0 ~ 1023	
W	UPS	DDDD	0 ~ 1023	
W	Diesel engine	DDDD	0 ~ 1023	
W	EQP_LIST	DDDD	0 ~ 1023	*Note2
W	SYS_INFO	DDDD	0 ~ 1023	*Note2
W	SYS_TIME	D	0 ~ 5	*Note1,*Note3
W	ESS inside meter	DDDD	0 ~ 1023	
W	Dynamic Station Number	D	0 ~ 2	Note5
W	High voltage side meter	DDDD	0 ~ 1023	

Note1: Only Central control Postive, Central control Negative,SYS_TIME can be written.

Note2: EQP_LIST,SYS_INFO only support ASCII object.

Note3: SYS_TIME year(SYS_TIME-1) is necessary to more than 2000,when its values be written,PLC will update every 500 ms,so it may display the previous value once to twice.

Note4: Central control Postive, Central control Negative write in same address.The only difference bwteern two address type is only write type.

Note5: Address 0: enable=1, disable=0

Address1: PV INV station

Address2: Battery cluster station

After the dynamic station number function is enabled at address 0, you can use address 1 and address 2 to specify the PV INV and Battery cluster communication station numbers

Note6: To query the third device, you need to set the object address to 2#.

For example, DC Charge pile with the signal ID 1 of the third device, set it to 2#1

Wiring Diagram:

RS-232

The serial port pin assignments may vary between HMI models, please click the following link for more information.

