DW8 MODBUS USER INSTRUCTIONS

1, The instrument RS485 communication BPS is fixed at 9600 bits/s, start bit=1, data bit=8, stop bit=1, starting and ending time >5ms.

2, The format of the data reading and writing is same as standard Modbus protocol. Definition as follows:

Request:

01	03	198(00C6H)	0002	(24 36)
ADD	COM	KW	Counts	CRC

Response:

01	03	04	6D96 49F3	7166
ADD	COM	Counts	KW	CRC

PV1 = 6D96.49F3H = INT 6D96H+ POINT 49F3H=28054（demical）+18931（demical）=28054.18931

When Max bit is “1”, means negative,

PV1=ED9649F3= ED96.49F3H = -(6D96H+0.49F3H) = -28054.1893

ED96 bit 15=1 is negative, viz. -6D96H

3, When setting parameters, can read multi- parameters; when writing, can write 1 parameter only every time

4, Commands:

02H: read digital value / discrete I/O parameters

03H: read holding registers parameters

06H: write single holding register parameter value

10H: write multi holding registers parameters value

5, Communication parameters:

Parameters address	Parameter type	COUNTS（Words）	Function	Remark
B6H(0182)	AV	2	Voltage measuring value	Read only
B9H(0185)	AI	2	Current measuring value	Read only
BCH(0188)	HZ	1	HZ	Read only
BD(0189)	PF	2	Power factor	Read only
COH(0192)	VAR	2	Reactive Power	Read only
C3H(0195)	VA	2	Apparent power	Read only
C6H(0198)	KW	2	Active power	Read only
CAH(0202)	KWH	2	KWH	Read only
0001	CT	2	Current	Read and write
0004	PT	2	Voltage change	Read and write
0015	Add	1	Communication address	Read and write
0016	AL1	2	AL1 value	Read and write

0020	HY1	2	AL1 hysteres	Read and write
0023	AM1	1	AL1 mode	Read and write
0024	AL2	2	AL2 value	Read and write
0028	HY2	2	AL2 hysteres	Read and write
F0H(0031)	AM2	1	AL2 mode	Read and write