

ADDRESS MAP AND DATA FORMAT

■ Data Format :

1. Transmission data format

The MODBUS protocol used in this instrument is RTU (Remote Terminal Unit) mode.
Transmitted data is "numeric value" and not "ASCII code" .

2. Internal calculation value and engineering unit

Normal value:

The data value is transfer into Hexadecimal regardless of decimal. For example: 1000 °C will be transfered to 03E8(hex), However, such as output percentage and PB (proportional band), 100.0 % will be transfered to 03E8(hex).

Index code:

Some parameters value is set by index code. For example, to change the unit to °C via communication. The data value would be 0C(hex).

Code	English	Code	English	Code	English	Code	English
00	J	0F	ENG	1E	9.6K	2D	1101
01	K	10	0000	1F	19.2K	2E	1110
02	T	11	000.0	20	0000	2F	1111
03	E	12	00.00	21	0001	30	HI
04	B	13	0.000	22	0010	31	LO
05	R	14	REV	23	0011	32	DIF.H
06	S	15	DIR	24	0100	33	DIF.L
07	N	16	NONE	25	0101	34	BD.HI
08	C	17	STDY	26	0110	35	BD.LO
09	D-PT	18	LATH	27	0111	36	T.ON
0A	J-PT	19	ST.LA	28	1000	37	T.OFF
0B	LINE	1A	HH.MM	29	1001	38	NONE
0C	°C	1B	MM.SS	2A	1010	39	LO
0D	°F	1C	2.4K	2B	1011	3A	HI
0E	ENG	1D	4.8K	2C	1100	3B	HI.LO

■ Data Address Map :

Word data (read-out/write-in) : Function code [03, 06]

Data Address	PM Designer	Parameter	Range	Unit
0000	40001	SV	HiLt~LoLt	°C/°F
0001	40002	SPOF	-1000~1000	°C/°F
0002	40003	PVOF	-1000~1000	°C/°F
0003	40004	A1SP	-1000~1000	°C/°F
0004	40005	A2SP	-1000~1000	°C/°F
0005	40006	A3SP	-1000~1000	°C/°F
0006	40007	PB	0.0~300.0	%
0007	40008	TD	900	Sec
0008	40009	CT	0~100	Sec
0009	40010	HYST	0~2000	°C/°F
000A	40011	A1HY	0~2000	°C/°F
000B	40012	A2HY	0~2000	°C/°F
000C	40013	A3HY	0~2000	°C/°F
000D	40014	LOCK	0000~1111	
000E	40015	TYPE	J/K/B/R/S/T/E/N/C/DPT/JPT/LINE (English code)	
000F	40016	UNIT	°C / °F / ENG (English code)	
0010	40017	DP	0000/000.0/00.00/0.000 (English code)	
0011	40018	ACT	REV / DIR (English code)	
0012	40019	LOLT	-1999~9999	°C/°F
0013	40020	HILT	-1999~9999	°C/°F
0014	40021	FILT	0.0~-100.0	
0015	40022	A1FU	None/Hi/Lo/dif.H/dif.L/bd.Hi/bd.Lo/T.SN L (English code)	
0016	40023	A1MD	None/Stdy/Lath/St.La/T.End (English code)	

0017	40024	A2FU	None/Hi/Lo/dif.H/dif.L/bd.Hi/bd.Lo/T.SN L (English code)	
0018	40025	A2MD	None/Stdy/Lath/St.La/T.End (English code)	
0019	40026	A3FU	None/Hi/Lo/dif.H/dif.L/bd.Hi/bd.Lo/T.SN L (English code)	
001A	40027	A3MD	None/Stdy/Lath/St.La/T.End (English code)	
001B	40028	ADDR	0~255	0
001C	40029	BAND		
001D	40030	CH01	0~2000	
001E	40031	CL01	0~2000	
001F	40032	RTSH	0~3000	
0020	40033	RTSL	0~3000	
0021	40034	MR	0.0~100.0	%

Word data (read-out only) : Function code [04]

Data Address	PM Designer	Parameter	Contents	Unit
1000	34097	PV	Process value	

PM Designer Driver : Modicon Corp. / Modicon 984 Device Slave (RTU).