6.3.3 Data Communication Address of Servo State

The communication parameter addressesare shown in the following table:

Communication data address(Hex)			Meaning	Description	Operation
Axis A	Axis B	Axis B			
0000~0348	2000~2348	4000~4348	Parameter area	Corresponding parameters in parameter list	Read/write
07F1~07FA	27F1~27FA	47F1~47FA	Alarm information memory area	Ten alarms historical record	Read only
07FD	27FD	47FD	Iu zero offset		Read only
07FE	27FE	47FE	Iv zero offset		Read only
0806~0814	2806~2814	4806~4814	Monitor data (corresponding with displayed data)		
0806	2806	4806	Speed feedback	Unit:rpm	Read only
0809	2809	4809	Internal torque reference percentage	Relative rated torque	Read only
080A	280A	480A	Number of encoder rotation pulses		Read only
080B	280B	480B	Input signal state		Read only
080C	280C	480C	Encoder signal state		Read only
080D	280D	480D	Output signal state		Read only
080E	280E	480E	Pulse setting		Read only
080F	280F	480F	Low bits of present location	Unit:1 reference pulse	Read only
0810	2810	4810	High bits of present location	Unit:10000 reference pulses	Read only
0811	2811	4811	Error pulse counter low 16 bits		Read only
0812	2812	4812	Error pulse counter high 16 bits		Read only
0813	2813	4813	Setting pulse counter low bits	Unit:1 reference pulse	Read only
0814	2814	4814	Setting pulse counter high bits	Unit:10000 reference pulses	Read only
0815	2815	4815	Load inertia percentage	%	Read only
0816	2816	4816	Servomotor overloading proportion	%	Read only
0817	2817	4817	Current alarm		Read only
0900	2900	4900	MODBUS communication IO signal	Donot save when power off.	Read/write
090E			DSP version	Version is expressed by digit.	Read only
090F			CPLD version	Version is expressed by digit.	Read only
1021	3021	5021	Clear historical alarms	01:Clear	Write only
1022	3022	5022	Clear current alarms	01:Clear	Write only

1023	3023	5023	JOG servo enabled	01:Enable 00:Disable	Write only
1024	3024	5024	JOG forward rotation	01:Forward rotation 00:Stop	Write only
1025	3025	5025	JOG reverse rotation	01:Reverse rotation 00:Stop	Write only

Note:

1. Parameter area（communication address0000～4369$_H$）

Parameter address is relevant to the parameters in the parameter list.

For example, axis A parameter Pn000 is relevant to communication address 0000$_H$; parameter Pn102 is relevant to communication address 0066$_H$.

2. Alarm information storage area（07F1～47FA$_H$）

Historical alarm number	Description	Communication address
0	Historical alarm 1 （the latest alarm）	07F1$_H$
1 ~ 8	Historical alarm 2 ~ 9	07F2$_H$ ~ 07F9$_H$
9	Historical alarm 10（the furthest alarm）	07FA$_H$

3. Monitor data area（0806～0816$_H$）

The monitor data is corresponding to servo drive panel displays Un000~Un016.

For example: the corresponding data of communication address 0807$_H$ (speed setting) is FB16$_H$.

Therefore, the speed setting is -1258r/m.

4. MODBUS communication IO signal

Use communication to control digital IO signal. This data will not be saved after power off.

It is operated with Pn512 as the communication input IO signal. That is to say, when the parameters setting in Pn512 enable the IO bit, the IO can be controlled by communication.

5. Software version（090F$_H$）

Use digit to represent servo drive software version. For example, if the read out data is 0100$_H$，it means the software version is t-1.00.