

# Modbus RS-485 communication register list

Support 03 read command, 06 write command  
9600 bps speed

Data type:

Data bit: 8

Parity bit: None

Stop bit: 1 or 2

Protocol: Modbus-RTU RS-485

## 1. 03H read command

1 Read

Bytes	0	1	2	3	4	5	6	7
Connotation	Addr	03H	parameter code		0	4	CRC	

1 answer from slave

Bytes	0	1	2	3	4	5	6	7	8	9	10	11	12
Connotation	Addr	03H	08H	PV		SV		ALM	MV	parameter value		CRC	

## 2. 06H write command

Bytes	0	1	2	3	4	5	6	7
Connotation	Addr	06H	parameter code		parameter value		CRC	

Parameter code		Controller model number
10 hex	Hexadecimal	<b>PU90 v8.26</b>
0	00H	setting value
1	01H	uPAL
2	02H	LoAL
3	03H	ESAL
4	04H	EIAL
5	05H	AHYS
6	06H	CtrL
7	07H	P
8	08H	I
9	09H	D
10	0AH	CtI
11	0BH	InP
12	0CH	dPt
13	0DH	ScL
14	0EH	ScH
15	0FH	AoP
16	10H	Scb
17	11H	oPt
18	12H	oPL
19	13H	oPH
20	14H	AF
21	15H	
22	16H	
23	17H	FILt
24	18H**	AMAn Not available for PU90
25	19H	Loc
26	1AH**	MV not available for PU90
27	1BH	Srun
28	1CH	CHYS
29	1DH	At
30	1EH	SPL
31	1FH	SPH
32	20H	Fru
33	21H	oEF oPH
34	22H	Act
35	23H	AdIS
36	24H	Aut
37	25H	P2
38	26H	I2
39	27H	d2
40	28H	CtI2
41	29H	Et
42	2AH*	SPr
43	2BH*	Pno
44	2CH*	PonP
45	2DH*	PAF
46	2EH*	StEP
47	2FH*	Program time elapsed
48	30H*	Event output status
49	31H	Not available

50	32H	Not available
51	33H	Not available
52	34H	Not available
53	35H	Not available
54	36H	Not available
55~63	37H~3FH	Not available
64~71	40H~47H	EP1~EP8
72	48H	Not available
73~79	49H~4FH	Not available
80	50H	SP1
81	51H	T1
82~...	52H~...	SP2~... Number of segments in the program assigned by parameter Pno

## 2. Program RUN/STOP

PU90 registered at 1BH (Srun)

0: RUN  
1: STOP  
2: Pause