

5.1 Real Time Register

Register Num.	Property	Type	Definition	Remark
40001	RO	UINT	Voltage	Calculation factor 0.1
40002	RO	UINT	Reserve	
40003	RO	UINT	Reserve	
40004	RO	UINT	Reserve	
40005	RO	UINT	Reserve	
40006	RO	UINT	Reserve	
40007	RO	UINT	Reserve	
40008	RO	UINT	Reserve	
40009	RO	UINT	Reserve	
40010	RO	UINT	Reserve	
40011	RO	UINT	Branch Circuit 1 Voltage	Calculation factor 0.1
40012	RO	UINT	Branch Circuit 1 Current	Calculation factor 0.01
40013	RO	UINT	Branch Circuit 1 Power Low Byte	Calculation factor 0.1
40014	RO	UINT	Branch Circuit 1 Power High Byte	
40015	RO	UINT	Branch Circuit 1 Total Active Energy Low Byte	Calculation factor 0.1
40016	RO	UINT	Branch Circuit 1 Total Active Energy High Byte	
40017	RO	UINT	Branch Circuit 1 Input Active Energy Low Byte	Calculation factor 0.1
40018	RO	UINT	Branch Circuit 1 Input Active Energy High Byte	
40019	RO	UINT	Branch Circuit 1 Output Active Energy Low Byte	Calculation factor 0.1
40020	RO	UINT	Branch Circuit 1 Output Active Energy High Byte	
40021	RO	UINT	Reserve	
40022	RO	UINT	Reserve	
40023	RO	UINT	Branch Circuit 2 Voltage	Calculation factor 0.1
40024	RO	UINT	Branch Circuit 2 Current	Calculation factor 0.01
40025	RO	UINT	Branch Circuit 2 Power Low Byte	Calculation factor 0.1
40026	RO	UINT	Branch Circuit 2 Power High Byte	
40027	RO	UINT	Branch Circuit 2 Total Active Energy Low Byte	Calculation factor 0.1

40028	RO	UINT	Branch Circuit 2 Total Active Energy High Byte	
40029	RO	UINT	Branch Circuit 2 Input Active Energy Low Byte	Calculation factor 0.1
40030	RO	UINT	Branch Circuit 2 Input Active Energy High Byte	
40031	RO	UINT	Branch Circuit 2 Output Active Energy Low Byte	Calculation factor 0.1
40032	RO	UINT	Branch Circuit 2 Output Active Energy High Byte	
40033	RO	UINT	Reserve	
40034	RO	UINT	Reserve	
40035-40046	RO	UINT	Branch Circuit 3 Electrical parameters	
40047-40058	RO	UINT	Branch Circuit 4 Electrical parameters	
40059-40070	RO	UINT	Branch Circuit 5 Electrical parameters	
40071-40082	RO	UINT	Branch Circuit 6 Electrical parameters	
40083-40094	RO	UINT	Branch Circuit 7 Electrical parameters	
40095-40106	RO	UINT	Branch Circuit 8 Electrical parameters	
40107-40118	RO	UINT	Branch Circuit 9 Electrical parameters	
40119-40130	RO	UINT	Branch Circuit 10 Electrical parameters	
40131-40142	RO	UINT	Branch Circuit 11 Electrical parameters	
40143-40154	RO	UINT	Branch Circuit 12 Electrical parameters	
40155	RO	BIT	Voltage Over Limit Alarm Status	bit0: Low Voltage Alarm bit1: High Voltage Alarm
40156	RO	BIT	Branch Circuit 1~12 Current Over Limit Alarm Status	bit0~bit12: Branch Circuit 1~12 Current Over Limit Alarm
40157	RO	BIT	Reserve	
40158	RO	BIT	Branch Circuit 1~12 Communication Fault Status	bit0~bit12: Branch Circuit 1~12 Communication Fault
40159	RO	UINT	Reserve	
40160	RO	UINT	Reserve	

5.2 Device Parameter Register

5.2.1 Basic Parameter

Register Num.	Type	Definition	Range
40501	R/W	Controller Communication Address	1 ~ 247
40502	R/W	Communication Baud Rate	0:4800 1:9600 2:19200
40503	R/W	Reserve	
40504	R/W	Communication Module Quantity	1-12
40505	R/W	Voltage Upper Limit Setting	0-1000, Calculation factor 0.1
40506	R/W	Voltage Lower Limit Setting	0-1000, Calculation factor 0.1
40507	R/W	Reserve	
40508	R/W	Current 1 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40509	R/W	Current 2 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40510	R/W	Current 3 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40511	R/W	Current 4 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40512	R/W	Current 5 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40513	R/W	Current 6 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40514	R/W	Current 7 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40515	R/W	Current 8 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40516	R/W	Current 9 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40517	R/W	Current 10 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40518	R/W	Current 11 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40519	R/W	Current 12 Upper Limit Alarm Threshold	0-10000, Calculation factor 0.01
40520	R/W	Reserve	
40521	R/W	Reserve	
40522	R/W	Device serial number Low Byte	
40523	R/W	Device serial number High Byte	

5.2.2 Down-end probe address settings

Register Num.	Type	Definition	Remark
41001	R/W	Branch Circuit 1 Address	Setting range: 0~11, respectively represents the down address: 0~12; Attention: 12 addresses can not repeat
41002	R/W	Branch Circuit 2 Address	
41003	R/W	Branch Circuit 3 Address	
41004	R/W	Branch Circuit 4 Address	
41005	R/W	Branch Circuit 5 Address	
41006	R/W	Branch Circuit 6 Address	
41007	R/W	Branch Circuit 7 Address	
41008	R/W	Branch Circuit 8 Address	
41009	R/W	Branch Circuit 9 Address	
41010	R/W	Branch Circuit 10 Address	
41011	R/W	Branch Circuit 11 Address	
41012	R/W	Branch Circuit 12 Address	

5.3 Version and Customized Order Information

Register Num.	Property	Data Type	Definition	Range
49501	RO	U16	Software Version Number	100~999
49502	RO	U16	Software Internal Test Version Number	1~999
49503 ~49563	RO	U16	Customized Order Information	Represented by ASCII code, namely one register with two ASCII values, high and low byte respectively represent one ASCII value; If for the the standard version program, then all values of this register will be 0;
49564	RO	U16	Firmware Version Number	100~999