

Instruction manual EFR4000IP

updated: 2018-06-07 / sm
from Firmware: 0-00

- Modbus TCP communication protocol

Table of Contents

1	Important Information	1
2	Interface parameters	1
3	Telegram structure	1
4	Supported Function Codes	2
5	Data Types	2
6	Modbus register tabelle	2
6.1	Reading measured values, status values and min. / max.	2
6.2	Parameter read and write	6
6.3	Trigger reset function	8

1 Important Information

Please also read the general instruction manual of the EFR4000IP carefully and observe the safety instructions.

2 Interface parameters

TCP Port: 502
Max. TCP connections: 1

The Modbus TCP protocol must be activated via the integrated web server of the EFR4000IP:

- Enter the IP address of the device in the web browser (on computers in the same networks)
- Select the menu tab „network“
- Activate Modbus TCP



3 Telegram structure

According to Modbus TCP specification.
For details, refer to the Modbus original documentation, available at:
<http://www.modbus.org>

4 Supported Function Codes

Function code	Designation	use
3 (03H)	Read Holding Registers	Read data from the registers
16 (10H)	Write Multiple Registers	Write data into registers

5 Data Types

The following data types are used in the Modbus registers:

Data type	Size	Range of numbers
signed int	16 Bit, register value	-32768 ... 32767
unsigned int	16 Bit, register value	0 ... 65535
signed long	32 Bit, divided over two registers	-2147483648 ... 2147483647
unsigned long	32 Bit, divided over two registers	0 ... 4294967296

6 Modbus register tables

6.1 Reading measured values, status values and min. / max.

- Modbus function code 0x03 (Read Holding Registers)

Adr. hex	Data type	register	Range of numbers		Prog. -Nr.							
			Min.	Max.	1	2	3	4	5	6		
0x0000 0x0001	signed long <i>low</i> <i>high</i>	Actual value U - L1 [0,1 V]	150 ...	3300	x	x	x	x	x	x		
0x0002 0x0003	signed long <i>low</i> <i>high</i>	Actual value U - L2 [0,1 V]	150 ...	3300	x	x	x	x	x	x		
0x0004 0x0005	signed long <i>low</i> <i>high</i>	Actual value U - L3 [0,1 V]	150 ...	3300	x	x	x	x	x	x		
0x0006 0x0007	signed long <i>low</i> <i>high</i>	Actual value I - L1 [mA]	0 ...	1200000	x	x	x	x	x	x		
0x0008 0x0009	signed long <i>low</i> <i>high</i>	Actual value I - L2 [mA]	0 ...	1200000	x	x	x	x	x	x		
0x000A 0x000B	signed long <i>low</i> <i>high</i>	Actual value I - L3 [mA]	0 ...	1200000	x	x	x	x	x	x		
0x000C 0x000D	signed long <i>low</i> <i>high</i>	Actual value P - L1 [W]	-350000 ...	350000	x	x	x	x	x	x		
0x000E 0x000F	signed long <i>low</i> <i>high</i>	Actual value P - L2 [W]	-350000 ...	350000	x	x	x	x	x	x		
0x0010 0x0011	signed long <i>low</i> <i>high</i>	Actual value P - L3 [W]	-350000 ...	350000	x	x	x	x	x	x		
0x0012 0x0013	signed long <i>low</i> <i>high</i>	Actual value P - L123 [W]	-999999 ...	999999	x	x	x	x	x	x		
0x0014 0x0015	signed long <i>low</i> <i>high</i>	Actual value frequency [0,01 Hz]	4450 ...	6550	x	x	x	x	x	x		
0x0016	signed int	status measured value I - L1	0 = measured value ok 1 = measuring range exceeded 2= measuring range below 3= simulation			x	x	x	x	x	x	
0x0017	signed int	status measured value I - L2				x	x	x	x	x	x	x
0x0018	signed int	status measured value I - L3				x	x	x	x	x	x	x
0x0019	signed int	status measured value U - L1				x	x	x	x	x	x	x
0x001A	signed int	status measured value U - L2				x	x	x	x	x	x	x
0x001B	signed int	status measured value U - L3				x	x	x	x	x	x	x
0x001C	signed int	status measured value P - L1				x	x	x	x	x	x	x
0x001D	signed int	status measured value P - L2				x	x	x	x	x	x	x
0x001E	signed int	status measured value P - L3				x	x	x	x	x	x	x
0x001F	signed int	status measured value P - L123				x	x	x	x	x	x	x

Adr. hex	Data type		register	Range of numbers		Prog. -Nr.						
				Min.	Max.	1	2	3	4	5	6	
0x0020 0x0021	signed long	<i>low</i> <i>high</i>	On time K1 [min.]	0 ...	2147483648	x	x	x	x	x	x	
0x0022 0x0023	signed long	<i>low</i> <i>high</i>	On time K2 [min.]	0 ...	2147483648	x	x	x	x	x	x	
0x0024 0x0025	signed long	<i>low</i> <i>high</i>	On time K3 [min.]	0 ...	2147483648	x	x	x	x	x	x	
0x0026	signed int		Current error (error)	0 = currently no error 1 = error		x	x	x	x	x	x	
0x0027	signed int		Error memory (limit error)	0 ...	99	x	x	x	x	x	x	
0x0028	signed int		Error memory (load difference)	0 ...	99	x	x	x	x	x	x	
0x0029	signed int		Error memory (AD converter)	0 ...	99	x	x	x	x	x	x	
0x002A	signed int		Error memory (adjustment values)	0 ...	99	x	x	x	x	x	x	
0x002B	signed int		Error memory (parameter over range)	0 ...	99	x	x	x	x	x	x	
0x002C	signed int		Error memory (scaling analogue output)	0 ...	99	x	x	x	x	x	x	
0x002D	signed int		Error memory (check current transformer)	0 ...	99	x	x	x	x	x	x	
0x002E	signed int		Error memory (min. 2 same load values)	0 ...	99	x	x	x	x	x	x	
0x002F	signed int		Error memory (reserve)	0 ...	99	x	x	x	x	x	x	
0x0030	signed int		Relay status K1	0 (off)...	1 (on)	x	x	x	x	x	x	
0x0031	signed int		Relay status K2	0 (off)...	1 (on)	x	x	x	x	x	x	
0x0032	signed int		Relay status K3	0 (off)...	1 (on)	x	x	x	x	x	x	
0x0033	signed int		Alarm status 0 (K1 / step 1)	0 = alarm off 1 = delay time on 2 = alarm on 3 = alarm delay 4 = alarm locked		x	x	x	x	x	x	
0x0034	signed int		Alarm status 1 (K2 / step 2)			x	x	x	x	x	x	x
0x0035	signed int		Alarm status 2 (K3 / step 3)			x	x	x	x	x	x	x
0x0036	signed int		Alarm status 3 (step 4)						x			
0x0037	signed int		Alarm status 4 (step 5)						x			
0x0038	signed int		Alarm status 5 (step 6)									
0x0039	signed int		Alarm status 6 (step 7)									
0x003A 0x003B	signed long	<i>low</i> <i>high</i>	Device status	Only for internal service purposes		x	x	x	x	x	x	
0x003C 0x003D	signed long	<i>low</i> <i>high</i>	Serial number			x	x	x	x	x	x	
0x003E 0x003F	signed long	<i>low</i> <i>high</i>	Operating hours	hours [h]		x	x	x	x	x	x	
0x0040	signed int		Firmware version, Application	e. g. 0x0B01 (hex)		x	x	x	x	x	x	
0x0041	signed int		Firmware version, Bootloader	-> 12720-1411-01 (Dec)		x	x	x	x	x	x	
0x0042 0x0043	signed long	<i>low</i> <i>high</i>	Min. value U - L1 [0,1 V]	150 ...	3300	x	x	x	x	x	x	
0x0044 0x0045	signed long	<i>low</i> <i>high</i>	Max. value U - L1 [0,1 V]	150 ...	3300	x	x	x	x	x	x	
0x0046 0x0047	signed long	<i>low</i> <i>high</i>	Min. value U - L2 [0,1 V]	150 ...	3300	x	x	x	x	x	x	
0x0048 0x0049	signed long	<i>low</i> <i>high</i>	Max. value U - L2 [0,1 V]	150 ...	3300	x	x	x	x	x	x	
0x004A 0x004B	signed long	<i>low</i> <i>high</i>	Min. value U - L3 [0,1 V]	150 ...	3300	x	x	x	x	x	x	
0x004C 0x004D	signed long	<i>low</i> <i>high</i>	Max. value U - L3 [0,1 V]	150 ...	3300	x	x	x	x	x	x	
0x004E 0x004F	signed long	<i>low</i> <i>high</i>	Min. value I - L1 [mA]	0 ...	1200000	x	x	x	x	x	x	
0x0050 0x0051	signed long	<i>low</i> <i>high</i>	Max. value I - L1 [mA]	0 ...	1200000	x	x	x	x	x	x	

Adr. hex	Data type		register	Range of numbers		Prog.-Nr.					
				Min.	Max.	1	2	3	4	5	6
0x0052 0x0053	signed long	<i>low</i> <i>high</i>	Min. value I - L2 [mA]	0 ...	1200000	x	x	x	x	x	x
0x0054 0x0055	signed long	<i>low</i> <i>high</i>	Max. value I - L2 [mA]	0 ...	1200000s	x	x	x	x	x	x
0x0056 0x0057	signed long	<i>low</i> <i>high</i>	Min. value I - L3 [mA]	0 ...	1200000	x	x	x	x	x	x
0x0058 0x0059	signed long	<i>low</i> <i>high</i>	Max. value I - L3 [mA]	0 ...	1200000	x	x	x	x	x	x
0x005A 0x005B	signed long	<i>low</i> <i>high</i>	Min. value P - L1 [W]	-350000 ...	350000	x	x	x	x	x	x
0x005C 0x005D	signed long	<i>low</i> <i>high</i>	Max. value P - L1 [W]	-350000 ...	350000	x	x	x	x	x	x
0x005E 0x005F	signed long	<i>low</i> <i>high</i>	Min. value P - L2 [W]	-350000 ...	350000	x	x	x	x	x	x
0x0060 0x0061	signed long	<i>low</i> <i>high</i>	Max. value P - L2 [W]	-350000 ...	350000	x	x	x	x	x	x
0x0062 0x0063	signed long	<i>low</i> <i>high</i>	Min. value P - L3 [W]	-350000 ...	350000	x	x	x	x	x	x
0x0064 0x0065	signed long	<i>low</i> <i>high</i>	Max. value P - L3 [W]	-350000 ...	350000	x	x	x	x	x	x
0x0066 0x0067	signed long	<i>low</i> <i>high</i>	Min. value P - L123 [W]	-999999 ...	999999	x	x	x	x	x	x
0x0068 0x0069	signed long	<i>low</i> <i>high</i>	Max. value P - L123 [W]	-999999 ...	999999	x	x	x	x	x	x
0x006A 0x006B	signed long	<i>low</i> <i>high</i>	Sum of connected loads via relay [W]	0...	150000	x	x	x	x	x	x
0x006C 0x006D	unsigned long	<i>low</i> <i>high</i>	Controlled load via analogue output I [W]	0...	50000	x	x	x	x	x	x
0x006E 0x006F	unsigned long	<i>low</i> <i>high</i>	Controlled load via analogue output U [W]	0...	50000	x	x	x	x	x	x
0x0070	signed int		Digital input Y1	0...	1	x	x	x	x	x	x
0x0071	signed int		Digital input Y2	0...	1	x	x	x	x	x	x
0x0072	signed int		Digital input Y3	0...	1	x	x	x	x	x	x
0x0073	signed int		Digital input Y4	0...	1	x	x	x	x	x	x
0x0074	signed int		Hardware Version	00...		x	x	x	x	x	x
0x0075	signed int		Status timer function K1	0=auto/off, 1=on for, 2=off for, 3=manually on, 4=manually off		x	x	x			
0x0076	signed int		Status timer function K2			x	x	x			
0x0077	signed int		Status timer function K3			x	x	x			
0x0078	signed int		Status timer function Out I			x	x	x			
0x0079	signed int		Status timer function Out U			x	x	x			
0x007A 0x007B	unsigned long	<i>low</i> <i>high</i>	Actual time of Timer function K1 [s]	0...	86400	x	x	x			
0x007C 0x007D	unsigned long	<i>low</i> <i>high</i>	Actual time of Timer function K2 [s]	0...	86400	x	x	x			
0x007E 0x007F	unsigned long	<i>low</i> <i>high</i>	Actual time of Timer function K3 [s]	0...	86400	x	x	x			
0x0080 0x0081	unsigned long	<i>low</i> <i>high</i>	Actual time of Timer function Out I [s]	0...	86400	x	x	x			
0x0082 0x0083	unsigned long	<i>low</i> <i>high</i>	Actual time of Timer function Out U [s]	0...	86400	x	x	x			

Adr. hex	Data type		register	Range of numbers		Prog. -Nr.					
				Min.	Max.	1	2	3	4	5	6
0x0084 0x0085	signed long	<i>low</i> <i>high</i>	Feed-in L1 [Wh]	0...	2147483648	x	x	x	x	x	x
0x0086 0x0087	signed long	<i>low</i> <i>high</i>	Feed-in L2 [Wh]	0...	2147483648	x	x	x	x	x	x
0x0088 0x0089	signed long	<i>low</i> <i>high</i>	Feed-in L3 [Wh]	0...	2147483648	x	x	x	x	x	x
0x008A 0x008B	signed long	<i>low</i> <i>high</i>	Feed-in L123 [Wh]	0...	2147483648	x	x	x	x	x	x
0x008C 0x008D	signed long	<i>low</i> <i>high</i>	Draw L1 [Wh]	-2147483648	...0	x	x	x	x	x	x
0x008E 0x008F	signed long	<i>low</i> <i>high</i>	Draw L2 [Wh]	-2147483648	...0	x	x	x	x	x	x
0x0090 0x0091	signed long	<i>low</i> <i>high</i>	Draw L3 [Wh]	-2147483648	...0	x	x	x	x	x	x
0x0092 0x0093	signed long	<i>low</i> <i>high</i>	Draw L123 [Wh]	-2147483648	...0	x	x	x	x	x	x
0x0094 0x0095	signed long	<i>low</i> <i>high</i>	Draw – feed-in L123 [Wh]	-2147483648	2147483648	x	x	x	x	x	x
0x0096 0x0097	signed long	<i>low</i> <i>high</i>	Own consumption at K1 [kWh]	0...	2147483648	x	x	x	x	x	x
0x0098 0x0099	signed long	<i>low</i> <i>high</i>	Own consumption at K2 [kWh]	0...	2147483648	x	x	x	x	x	x
0x009A 0x009B	signed long	<i>low</i> <i>high</i>	Own consumption at K3 [kWh]	0...	2147483648	x	x	x	x	x	x
0x009C 0x009D	signed long	<i>low</i> <i>high</i>	Own consumption at Out I [kWh]	0...	2147483648	x	x	x	x	x	x
0x009E 0x009F	signed long	<i>low</i> <i>high</i>	Own consumption at Out U [kWh]	0...	2147483648	x	x	x	x	x	x
0x00A0 0x00A1	signed long	<i>low</i> <i>high</i>	Own consumption at K123 + Out I + U [kWh]	0...	2147483648	x	x	x	x	x	x

6.2 Parameter read and write

- Modbus function code 0x03 (Read Holding Registers)
- Modbus function code 0x10 (Write Multiple registers)

Adr. hex	Data type		register	Range of numbers		Prog. -Nr.					
				Min.	Max.	1	2	3	4	5	6
0x0200	signed int		Program number	1...	6	x	x	x	x	x	x
0x0201	signed int		Current transformer-Primary [A]	1...	1000	x	x	x	x	x	x
0x0202	signed int		Current transformer -Secondary [0,1 A]	1...	50	x	x	x	x	x	x
0x0203	signed long	low	Power at K1 (step 10 W) [W]	0...	500000	x	x	x	x		
0x0204		high									
0x0205	signed long	low	Power at K2 (step 10 W) [W]	0...	500000	x	x	x	x		
0x0206		high									
0x0207	signed long	low	Power at K3 (step 10 W) [W]	0...	500000	x	x	x	x		
0x0208		high									
0x0209	signed int		Phase on relay K1	-5=L123, -4=L3, -3=L2, -2=L1, -1=off		x	x	x	x	x	x
0x020A	signed int		Phase on relay K2								
0x020B	signed int		Phase on relay K3								
0x020C	signed int		Relay function K1	-2 = 11-12	-1 = 11-14	x	x	x	x		
0x020D	signed int		Relay function K2	-2 = 21-22	-1 = 21-24	x	x	x	x		
0x020E	signed int		Relay function K3	-2 = 31-32	-1 = 31-34	x	x	x	x		
0x020F	signed long	low	Delay on K1 [s]	10...	86399	x	x		x	x	x
0x0210		high	Delay on [s]					x			
0x0211	signed long	low	Delay on K2 [s]	10...	86399	x	x		x	x	x
0x0212		high									
0x0213	signed long	low	Delay on K3 [s]	10...	86399	x	x		x	x	x
0x0214		high									
0x0215	signed long	low	Min. on K1 [s]	10...	86399	x	x		x		
0x0216		high	Min. on [s]	10...	86399			x			
0x0217	signed long	low	Min. on K2 [s]	10...	86399	x	x		x		
0x0218		high									
0x0219	signed long	low	Min. on K3 [s]	10...	86399	x	x		x		
0x021A		high									
0x021B	signed long	low	Delay off K1 [s]	10...	86399	x	x		x		
0x021C		high	Delay off [s]	10...	86399			x			
			Delay off K1 [0,01s]	0...	359999					x	x
0x021D	signed long	low	Delay off K2 [s]	10...	86399	x	x		x		
0x021E		high	Delay off K2 [0,01s]	0...	359999					x	x
0x021F	signed long	low	Delay off K3 [s]	10...	86399	x	x		x		
0x0220		high	Delay off K3 [0,01s]	0...	359999					x	x
0x0221	signed long	low	Load regulation K1 [s]	10...	86399	x	x		x		
0x0222		high									
0x0223	signed long	low	Load regulation K2 [s]	10...	86399	x	x		x		
0x0224		high									
0x0225	signed long	low	Load regulation K3 [s]	10...	86399	x	x		x		
0x0226		high									
0x0227	signed long	low	Power K1 on (step 10 W) [W]	-999990...	999990	x	x		x	x	x
0x0228		high	Switch off value (step 10 W) [W]					x			
0x0229	signed long	low	Power K2 on (step 10 W) [W]	-999990...	999990	x	x		x	x	x
0x022A		high									
0x022B	signed long	low	Power K3 on (step 10 W) [W]	-999990...	999990	x	x		x	x	x
0x022C		high									

Adr. hex	Data type		register	Range of numbers		Prog.-Nr.						
				Min.	Max.	1	2	3	4	5	6	
0x022D 0x022E	signed long	<i>low</i> <i>high</i>	Power K1 off (step 10 W) [W]	-999990...	999990	x	x		x	x	x	
0x022F 0x0230	signed long	<i>low</i> <i>high</i>	Power K2 off (step 10 W) [W]	-999990...	999990	x	x		x	x	x	
0x0231 0x0232	signed long	<i>low</i> <i>high</i>	Power K3 off (step 10 W) [W]	-999990...	999990	x	x		x	x	x	
0x0233	signed int		Auto reset K1	-1 = on	-2 = off						x x	
0x0234	signed int		Auto reset K2	-1 = on	-2 = off						x x	
0x0235	signed int		Auto reset K3	-1 = on	-2 = off						x x	
0x0236	signed int		Function input Y1	-13=Aout-U 100%, -12=Aout-U 0%, -11=Aout-I 100%, -10=Aout-I 0%, -9=K3 off, -8=K2 off, -7=K1 off, -6=K3 on, -5=K2 on, -4=K1 on, -3=K1-3 on, -2=K1-3 off, -1=off		x	x	x	x			
0x0237	signed int	Function input Y2	x			x	x	x				
0x0238	signed int	Function input Y3	x			x	x	x				
0x0239	signed int	Function input Y4	x			x	x	x				
0x023A	signed int		Analog output I, Function	-9=K3 off, -8=K2 off, -7=K1 off, -6=K3 on, -5=K2 on, -4=K1 on, -3=K1-3 on, -2=K1-3 off, -1= off		x	x	x	x	x	x	
0x023B	signed int	Analog output I, 0-20mA / 4-20 mA / Individually	-3=Ind, -2=4-20 mA, -1=0-20 mA			x	x	x	x	x	x	x
0x023C	signed int	Analog output I, individual zero point [0,01 mA]	0 ... 1000			x	x	x	x	x	x	x
0x023D 0x023E	signed long	<i>low</i> <i>high</i>	Analog output I, Zero point (step 10 W) [W]			-999990...	999990	x	x	x	x	x
0x023F 0x0240	signed long	<i>low</i> <i>high</i>	Analog output I, Full scale (step 10 W) [W]	-999990...	999990	x	x	x	x	x	x	
0x0241 0x0242	signed long	<i>low</i> <i>high</i>	Analog output I, Setpoint (step 10 W) [W]	-999990...	999990	x	x	x	x	x	x	
0x0243 0x0244	signed long	<i>low</i> <i>high</i>	Analog output I, max. power (step 10 W) [W]	0... 500000		x	x	x	x	x	x	
0x0245	signed int		Analog output I, Regulation speed [%]	20... 90		x	x	x	x	x	x	
0x0246	signed int		Analog output I, Regulation interval [0,1 s]	5... 600		x	x	x	x	x	x	
0x0247	signed int		Analog output I, Regulation tolerance [%]	5... 50		x	x	x	x	x	x	
0x0248	signed int		Analog output U, Function	-9=load-L3, -8=load-L2, -7=load-L1, -6=load-L123, -5=kW-L3, -4=kW L2, -3=kW-L1, -2=kW-L123, -1=off		x	x	x	x	x	x	
0x0249	signed int	Analog output U, 0-10V / 2-10V / Individually	-3=Ind, -2=2-10 V, -1=0-10 V			x	x	x	x	x	x	x
0x024A	signed int	Analog output U, individual zero point [0,01 V]	0 ... 500			x	x	x	x	x	x	x
0x024B 0x024C	signed long	<i>low</i> <i>high</i>	Analog output U, Zero point (step 10 W) [W]			-999990...	999990	x	x	x	x	x
0x024D 0x024E	signed long	<i>low</i> <i>high</i>	Analog output U, Full scale (step 10 W) [W]	-999990...	999990	x	x	x	x	x	x	
0x024F 0x0250	signed long	<i>low</i> <i>high</i>	Analog output U, Setpoint (step 10 W) [W]	-999990...	999990	x	x	x	x	x	x	

Adr. hex	Data type		register	Range of numbers		Prog.-Nr.					
				Min.	Max.	1	2	3	4	5	6
0x0251 0x0252	signed long	low high	Analog output U, max. power (step 10 W) [W]	0...	500000	x	x	x	x	x	x
0x0253	signed int		Analog output U, Regulation speed [%]	20...	90	x	x	x	x	x	x
0x0254	signed int		Analog output U, Regulation interval [0,1 s]	5...	600	x	x	x	x	x	x
0x0255	signed int		Analog output U, Regulation tolerance [%]	5...	50	x	x	x	x	x	x
0x0256	signed int		Language	-2=English, -1=German		x	x	x	x	x	x
0x0257	signed int		TFT brightness [%]	20...	100	x	x	x	x	x	x
0x0258	signed int		TFT, time to dim ... [s]	10...	3600	x	x	x	x	x	x
0x0259	signed int		Display interval [0,1 s]	1...	20	x	x	x	x	x	x
0x025A	signed int		Timer function K1	0=auto, 1=on for, 2=off for, 3=manually on, 4=manually off		x	x	x	x		
0x025B	signed int	Timer function K2	x			x	x	x			
0x025C	signed int	Timer function K3	x			x	x	x			
0x025D	signed int	Timer function Out I	x			x	x	x			
0x025E	signed int	Timer function Out U	x			x	x	x			
0x025F	signed int		Timer function K1, Time of "on for / off for" [min.]	1...	1440	x	x	x	x		
0x0260	signed int		Timer function K2, Time of "on for / off for" [min.]	1...	1440	x	x	x	x		
0x0261	signed int		Timer function K3, Time of "on for / off for" [min.]	1...	1440	x	x	x	x		
0x0262	signed int		Timer function I, Time of "on for / off for" [min.]	1...	1440	x	x	x	x		
0x0263	signed int		Timer function U, Time of "on for / off for" [min.]	1...	1440	x	x	x	x		
0x0264	signed int		Timer function, Load at Out I [%]	0...	100	x	x	x	x		
0x0265	signed int		Timer function, Load at Out U [%]	0...	100	x	x	x	x		

6.3 Trigger reset function

- Modbus function code 0x10 (Write Multiple registers)

Adr. hex	Data type	register	value	Prog.-Nr.					
				1	2	3	4	5	6
0x0100	signed int	Reset min/max U	<i>write 1 -> reset all U</i>	x	x	x	x	x	x
0x0101	signed int	Reset min/max I	<i>write 1 -> reset all I</i>	x	x	x	x	x	x
0x0102	signed int	Reset min/max P	<i>write 1 -> reset all P</i>	x	x	x	x	x	x
0x0103	signed int	On time K1...K3	<i>write 1 -> reset all times</i>	x	x	x	x	x	x
0x0104	signed int	Error memory	<i>write 1 -> reset all errors</i>	x	x	x	x	x	x
0x0105	signed int	Locked relays	<i>write 1 -> reset locked relays</i>						x
0x0106	signed int	Reset energy meter	<i>write 1 -> reset</i>	x	x	x	x	x	x