

Fire Alarm Controller FAC100 MODBUS RTU REGISTER TABLE

Modbus Address (HEX)	modbus data type	Data Name	Read Write	Multiplier	Unit	Max. Value	Min. Value
0000	U16	Country Code (869)	R				
0001	U16	Company Code(7436)	R				
0002							
0003	U32	Product Code	R				
0004	U16	Barcode Check	R				
0005	U16	Program Communication Version	R				
0006	U16	User define number H	R/W			0xFFFF	0x0000
0007	U16	User define number L	R/W			0xFFFF	0x0000

Read Register Table							
Modbus Address (HEX)	modbus data type	Data Name	Read Write	Multiplier	Unit	Max. Value	Min. Value
0FFF	U16	Status Flags Bit0 =1 ; 1.sensor open circuit if 0 ; no err Bit1 =1 ; 2.sensor open circuit if 0 ; no err Bit2 =1 ; 3.sensor open circuit if 0 ; no err Bit3 =1 ; 4.sensor open circuit if 0 ; no err Bit4 =1 ; 1.sensor short circuit if 0 ; no err Bit5 =1 ; 2.sensor short circuit if 0 ; no err Bit6 =1 ; 3.sensor short circuit if 0 ; no err Bit7 =1 ; 4.sensor short circuit if 0 ; no err Bit8 =1 ; 1.sensor fault temprature err if 0 ; no err Bit9 =1 ; 2.sensor fault temprature err if 0 ; no err Bit10 =1 ; 3.sensor fault temprature err if 0 ; no err Bit11 =1 ; 4.sensor fault temprature err if 0 ; no err Bit12 =1 ; Fault Happened if 0 ; no err Bit13 =1 ; Alarm Happened if 0 ; no err Bit14 =1 ; Fan Happened if 0 ; no err Bit15 =1 ; Trip Happened if 0 ; no err	R				
1000	S16	1. Sensor Pt100 Temprature	R	10	°C	250	-10
1001	S16	2. Sensor Pt100 Temprature	R	10	°C	250	-10
1002	S16	3. Sensor Pt100 Temprature	R	10	°C	250	-10
1004	U16	Report Count Value	R				2
Getting 40 report data							
1005	8 byte per register adress	1. byte Report No					
1009		2. byte Sensor Channel No					
100D		3. byte Record Type (0 : Alarm , Trip : 1 ,FaultFcd : 2)					
....		4. byte Record Hour					
....		5. byte Record Minutes					
....		6. byte Record Year					
...		7. byte Record Month					
10A1		8. byte Record Day	R				

Parameters(Read-Write Register)							
Modbus Address (HEX)	modbus data type	Data Name	Read Write	Multiplier	Unit	Max. Value	Min. Value
2000	U16	Language Settings //0-Turkish //1-English //2-Russia	R/W			2	0
2001	U16	Temprature Unit Settings //0-Celcius //1-Fahrenheit	R/W			1	0
2003	U16	Alarm Set Value Settings	R/W		°C-°F	Alarm Set Value	30°C – 86°F
2004	U16	Trip Set Value Settings	R/W		°C-°F	250°C – 482°F	Trip Set Value
2005	U16	Fan Parameter //0-Close //1-CH123	R/W			1	0
2006	U16	Fan Parameter Start Value	R/W		°C-°F	250°C – 482°F	30°C – 86°F
2007	U16	Fan Parameter Stop Value	R/W		°C-°F	Fan Parameter Start Value – 5	30°C – 86°F
2008	U16	Fan On Time (tp) //0-Closed	R/W		Minute	30	0
2009	U16	Fan Off Time (ts) //0-Closed	R/W		Hour	24	1
200A	U16	Fault Settings //0- Closed	R/W		°C/sn	30°C/sn – 86°F/sn	0°C – 33°F
200B	U16	Screen Saver //0- Closed //1- Open	R/W			1	0
200C	U16	Modbus device number (1-255)	R/W			255	1
200D	U16	modbus working speed (0-7) //0-2400 bit/sec //1-4800 bit/sec //2-9600 bit/sec //3-19200 bit/sec //4-28800 bit/sec //5-38400 bit/sec //6-57600 bit/sec //7-115200 bit/sec	R/W			7	0
200E	U16	modbus comm. Parity //0- no parity //1- odd parity //2- even parity	R/W			2	0
200F	U16	modbus comm. Stop Bit //0 - 1 stop bit is transmitted at the end of frame //1 - 0.5 stop bit is transmitted at the end of frame //2 - 2 stop bit is transmitted at the end of frame //3 - 1.5 stop bit is transmitted at the end of frame	R/W			3	0
2010	U16	modbus write protect	R/W			1	0
2011	U16	modbus read protect	R/W			1	0
2012	U16	modbus write code	R/W			9999	0000
2013	U16	modbus read code	R/W			9999	0000
2014	U16	Relay-1 Status 0-Close 1-Open	R/W			1	0000
2015	U16	Relay-2 Status 0-Close 1-Open	R/W			1	0000
2016	U16	Relay-3 Status 0-Close 1-Open	R/W			1	0000
2017	U16	Relay-4 Status 0-Close 1-Open	R/W			1	0000

Parameters(Read-Write Register)							
Modbus Address (HEX)	modbus data type	Data Name	Read Write	Multiplier	Unit	Max. Value	Min. Value
5002	U16	Digital Input-1 0-Close 1-Open	R			1	0000

5003	U16	Digital Input-2 0-Close 1-Open	R				1	0000
5004	U16	Demand Record Count Value	R				2937	0000
Parameters(Read-Write Register)								
Modbus Address (HEX)	modbus data type	Data Name	Read Write	Multiplier	Unit		Max. Value	Min. Value
FFF8	U8	Real Time Year	R/W	1			99	0
FFF9	U8	Real Time Month	R/W	1			12	1
FFFA	U8	Real Time Day	R/W	1			31	1
FFFB	U8	Real Time Hour	R/W	1			23	0
FFFC	U8	Real Time Minute	R/W	1			59	0
FFFD	U8	Real Time Second	R/W	1			59	0
FFFE	U16	RESET FACTORY SETTINGS	R/W	1			0x5A5A	0x5A5A
FFFF	U16	DEVICE REBOOT	R/W	1			0x5A5A	0x5A5A

KAEL Mühendislik LTD. Şti