

Modbus Parameters

Mode: RTU (MSB First)

Baud Rate: 1-4800 2-9600 3-14400 4-19200 5-38400 bps

default: 4-19200bps

Start Bits: 1

Data Bits: 8

Stop Bits: 1 / 2

default: 1

Parity: None / Odd / Even

default: None

O3L Ozone Detector Modbus Register Map

Support Function: 3 4 6

Starting Register Decimal	Data Description	Function	Read /Write	Length	Format	Valid Response	Default
1 Read Coils							
0	Relay Status	1	R	1	UINT16	1-ON; 0-OFF	
4 Read Input Registers							
0	O3 Measurement Value	4	R	1	UINT16	ppb	
1	Temp. Measurement Value	4	R	1	INT16	-200~600 ->(-20.0~60.0℃)	
2	LED Status	4	R	1	UINT16		
3 Read Holding Registers/6 Write Single Register(UINT16 or INT16)							
0	Modbus Address	3/6	R/W	1	UINT16	1~255	1
1	Modbus Baud Rate	3/6	R/W	1	UINT16	1-4800bps 2-9600bps 3-14400bps 4-19200bps 5-38400bps	4
2	Modbus Stop Bit	3/6	R/W	1	UINT16	1-None 1Stop; 2-None 2Stop; 3-Odd 1Stop;	1

						4-Even 1Stop	
3	O3 Adjust Setpoint	3/6	R/W	1	INT16	-30~30	0
4	No.1 Relay Setpoint	3/6	R/W	1	UINT16	0~500	100
5	No.2 Relay Setpoint	3/6	R/W	1	UINT16	0~500	70
6	No.3 Relay Setpoint	3/6	R/W	1	UINT16	0~500	200
7	No.4 Relay Setpoint	3/6	R/W	1	UINT16	0~500	300
8	Relay Logic	3/6	R/W	1	UINT16	0:Add O3 1:Dec O3	1
9	O3 SetPoint <->DC1 0V/4mA	3/6	R/W	1	UINT16	0~500	0
10	O3 SetPoint <->DC1 10V/20mA	3/6	R/W	1	UINT16	0~500	500
11	O3-LED1 Setpoint	3/6	R/W	1	UINT16	0~500	0
12	O3-LED2 Setpoint	3/6	R/W	1	UINT16	0~500	25
13	O3-LED3 Setpoint	3/6	R/W	1	UINT16	0~500	50
14	O3-LED4 Setpoint	3/6	R/W	1	UINT16	0~500	75
15	O3-LED5 Setpoint	3/6	R/W	1	UINT16	0~500	100
16	O3-LED6 Setpoint	3/6	R/W	1	UINT16	0~500	300
17	O3 Current AD Value	3/6	R	1	UINT16	0~1023	
18	AD Adjust Setpoint	3/6	R/W	1	INT16	-500~500	0
19	Temp Adjust Setpoint	3/6	R/W	1	INT16	-30~30->(-3.0~3.0°C)	0
20	O3 Adjust Aim Setpoint	3/6	R/W	1	UINT16	0~500 ppb	

Note: Scan Rate>=4000ms