

Modbus Parameters

Mode: RTU (MSB First)

Baud Rate: 4800,9600,14400,19200,38400,56000,57600,76800,115200bps

default: 9600

Start Bits: 1

Data Bits: 8

Stop Bits: 1 / 2

default : 1

Parity: None / Odd / Even

default: None

TSP-Co Register Map Support Function: 3 4 6 16

Starting Register Decimal PLC Address(Base 1)	Data Description	Function	Read/ Write	Length	Format	Valid Response	Default	Correspond LCD Parameter
0x0001	Relay1 output	1	R	1	UINT8	0-OFF;1-ON		
0x0002	Relay2 output	1	R	1	UINT8	0-OFF;1-ON		
1x0001	V/mA choice	1	R	1	UINT8	1-4~20mA;0-0~10v		
3x0003	Co Measurement	4	R	2	Float Big-endian	0~1000 ppm		
3x0005	Temp. Measurement	4	R	2	Float Big-endian	0.0~50.0°C/32.0~122.0°F		
3x0007	Humi. Measurement	4	R	2	Float Big-endian	0.1~100.0 RH%		
3x0009	Audible alarm level	4	R	1	UINT16	P4=2(User-defined): 0~3 P4=3(GB15322): 0~1 P4=4(EN50291): 0~4 P4=5(UL2034): 0~3		
3x0011	0-10v 4-20mA analog output	4	R	2	Float Big-endian	0.0~10V/4~20mA		
4x0002	RS485 Device MAC address	3/6	R/W	1	UINT16	1~247	1	P6
4x0003	RS485 baud rate choice	3/6	R/W	1	UINT16	1-4800bps	2	P7

						2-9600bps 3-14400bps 4-19200bps 5-38400bps 6-56000bps 7-57600bps 8-76800bps 9-115200bps		
4x0004	RS485 paritys and stops choice	3/6	R/W	1	UINT16	1-None 1Stop Bit; 2-None 2Stop Bit; 3-Odd 1Stop Bit; 4-Even 1Stop Bit	1	P8
4x0005	Relay1 setpoint	3/16	R/W	2	Float Big-endian	0~1000ppm	20ppm	User "Relay1 SetPoint"
4x0007	Relay2 setpoint	3/16	R/W	2	Float Big-endian	0~1000ppm	40ppm	User Relay2 SetPoint"
4x0009	No.1 of User-defined audible alarm setpoint	3/16	R/W	2	Float Big-endian	0~1000ppm	30ppm	P1
4x0011	No.2 of User-defined audible alarm setpoint	3/16	R/W	2	Float Big-endian	0~1000ppm	50ppm	P2
4x0013	No.3 of User-defined audible alarm setpoint	3/16	R/W	2	Float Big-endian	0~1000ppm	70ppm	P3
4x0015	Audible alarm standard choice	3/6	R/W	1	UINT16	1- None; 2- User-defined; 3- China; 4- Euro; 5- 5-America	4	P4
4x0017	CO adjust target value	3/16	R/W	2	Float Big-endian	0~1000.0ppm	0.0ppm	P9
4x0019	Temp. adjust setpoint	3/16	R/W	2	Float Big-endian	-3.0~3.0°C / -6~6°F	0.0°C /0.0°F	P10
4x0021	Humi. adjust setpoint	3/16	R/W	2	Float Big-endian	-5.0~5.0%RH	0.0 %RH	P11
4x0023	Temperature unit selection	3/6	R/W	1	UINT16	1-Degreecelsius; 2-Fahrenheit	1	P12

4x0024	Which measure control relays	3/6	R/W	1	UINT16	1~9	1	P13
4x0025	Co control relay differential	3/16	R/W	2	Float Big-endian	0.0~1000.0ppm	2.0ppm	P14
4x0027	Temp. control relay differential[0.50]C	3/16	R/W	2	Float Big-endian	0~50°C / 0~100°F	2.0°C /4.0°F	P15
4x0029	Humi. control relay differential[0.50]%RH	3/16	R/W	2	Float Big-endian	0~50%RH	2%RH	P16
4x0030	Co zero self correction choice	3/6	R/W	1	UINT16	0-Disable;1-Enable	1	P17

Note : Scan Rate>=4000ms