

Android Modbus RTU

Baud rate: 9600 bps
Data Bits: 8 bit
Parity Bit: NOTE
Stop Bit: 1 bit

The communication address is set to No. 1, operating as a slave station and configurable.

Note: During write operations, it is necessary to send once after making the operational changes. You can send using 06|16, but continuous sending is not allowed. A maximum of 30 addresses can be read at a time.

Sequence Number	Variable Description	Function Code	Data Type	MODBUS Address	Bit	Read/Write	Note
1	air temperature	03	WORD	4x0001	0-15	R	X10 (integer), range 0-500, unit: °C
2	air humidity	03	WORD	4x0002	0-15	R	X10 (integer), range 0-999, unit: °C
3	room pressure difference	03	WORD	4x0003	0-15	R	Integer, range ±100, unit: Pa
4	temperature setting	03 06 16	WORD	4x0004	0-15	R/W	Integer, range 0-50
5	humidity setting	03 06 16	WORD	4x0005	0-15	R/W	Integer, range 0-99
6	differential pressure setting	03 06 16	WORD	4x0006	0-15	R/W	Integer, range +50
7	On/Off Button (for Air Conditioning Unit)	03 06 16	WORD	4x0007	0-15	R/W	1: ON 0: OFF
8	Standby Button (for Air Conditioning Unit)	03 06 16	WORD	4x0008	0-15	R/W	1: ON 0: OFF
9	Disinfection Button (for Air Conditioning Unit)	03 06 16	WORD	4x0009	0-15	R/W	1: ON 0: OFF
10	Positive/Negative Pressure Button (for Air Conditioning Unit)	03 06 16	WORD	4x0010	0-15	R/W	1: ON 0: OFF
11	Control Panel -- Lighting 1 Button	03 06 16	WORD	4x0011	0	R/W	1: ON 0: OFF
	Control Panel -- Lighting 2 Button	03 06 16			1	R/W	1: ON 0: OFF
	Control Panel -- Exhaust Fan Button	03 06 16			2	R/W	1: ON 0: OFF
	Control Panel -- Viewing Light Button	03 06 16			3	R/W	1: ON 0: OFF
	Control Panel -- Shadowless Lamp Button	03 06 16			4	R/W	1: ON 0: OFF
	Control Panel -- Writing Desk Button	03 06 16			5	R/W	1: ON 0: OFF
	Control Panel -- Surgery in Progress Button	03 06 16			6	R/W	1: ON 0: OFF
	Control Panel -- AutoMatic Door Button	03 06 16			7	R/W	1: ON 0: OFF
	Control Panel -- Standby 2	03 06 16			8	R/W	1: ON 0: OFF
	Control Panel -- Standby 3	03 06 16			9	R/W	1: ON 0: OFF
	Control Panel -- Standby 4	03 06 16			10	R/W	1: ON 0: OFF
	Control Panel -- Standby 5	03 06 16			11	R/W	1: ON 0: OFF
	Control Panel -- Standby 6	03 06 16			12	R/W	1: ON 0: OFF
	Control Panel -- Standby 7	03 06 16			13	R/W	1: ON 0: OFF
	Control Panel -- Standby 8	03 06 16			14	R/W	1: ON 0: OFF
	Control Panel -- Standby 9	03 06 16			15	R/W	1: ON 0: OFF
12	Unit Status - System Running	03	WORD	4x0012	0	R	1: RUN 0: STOP
	Unit Status - Standby Operation	03			1	R	1: RUN 0: STOP
	Unit Status - System Fault	03			2	R	1: ALARM 0: NORMAL
	Unit Status - Primary Alarm	03			3	R	1: ALARM 0: NORMAL
	Unit Status - Intermediate Alarm	03			4	R	1: ALARM 0: NORMAL
	Unit Status - High-efficiency Alarm	03			5	R	1: ALARM 0: NORMAL
	Unit Status - Air Deficiency Alarm	03			6	R	1: ALARM 0: NORMAL
	Unit Status - High Temperature Alert	03			7	R	1: ALARM 0: NORMAL
	Unit Status - Electric Heating 1 Operating	03			8	R	1: RUN 0: STOP
	Unit Status - Electric Heating 2 Operating	03			9	R	1: RUN 0: STOP
	Unit Status - Electric Heating 3 Operating	03			10	R	1: RUN 0: STOP
	Unit Status - Humidification Operating	03			11	R	1: RUN 0: STOP
	Fire Protection Status	03			12	R	1: ALARM 0: NORMAL
	IT Power Supply Status	03			13	R	1: ALARM 0: NORMAL
	Unit Status -Standby 1	03			14	R	
	Unit Status -Standby 2	03			15	R	
13	O2_High Level Alarm	03	WORD	4x0013	0	R	1: ALARM 0: NORMAL
	O2_Low Level Alarm	03			1	R	1: ALARM 0: NORMAL
	N2_High Level Alarm	03			2	R	1: ALARM 0: NORMAL
	N2_Low Level Alarm	03			3	R	1: ALARM 0: NORMAL
	N2O_High Level Alarm	03			4	R	1: ALARM 0: NORMAL
	N2O_Low Level Alarm	03			5	R	1: ALARM 0: NORMAL
	AR_High Level Alarm	03			6	R	1: ALARM 0: NORMAL
	AR_Low Level Alarm	03			7	R	1: ALARM 0: NORMAL
	AIR_High Level Alarm	03			8	R	1: ALARM 0: NORMAL
	AIR_Low Level Alarm	03			9	R	1: ALARM 0: NORMAL
	CO2_High Level Alarm	03			10	R	1: ALARM 0: NORMAL
	CO2_Low Level Alarm	03			11	R	1: ALARM 0: NORMAL
	VAC_High Level Alarm	03			12	R	1: ALARM 0: NORMAL
	VAC_Low Level Alarm	03			13	R	1: ALARM 0: NORMAL
	_High Level Alarm	03			14	R	1: ALARM 0: NORMAL
	_Low Level Alarm	03			15	R	1: ALARM 0: NORMAL

Remarks:

Two icons: one for normal status, the other for alarm.

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