

Modbus Communication Reference

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1 Modbus TCP

- IP Address: _____
- Port: _____

2 Modbus RS485

- Baud Rate: _____
- COM Port: _____
- Word Length: _____
- Parity: _____
- Stop Bits: _____

3 Modbus Addressing

- Starting Address: _____
- Length: _____
- Device ID: _____

4 Function Codes & Address Ranges

Function	Access	Code	Address Range	Example
Coil	Read/Write	FC1	0000X	0000Y
Input Status (Coil)	Read Only	FC2	1000X	1000Y
Holding Register	Read/Write	FC3	4000X	4000Y
Input Register	Read Only	FC4	3000X	3000Y
Write Single Coil	Write	0x05	0000X	Force ON/OFF
Write Single Register	Write	0x06	4000X	Write 16-bit
Write Multiple Coils	Write	0x0F (15)	0000X	Bit array
Write Multiple Registers	Write	0x10 (16)	4000X	Bulk data write