

Software protocol MODBUS-RTU

Modbus RTU

Communication settings:

9600 baud

8 data bits

No parity

1 stop bit

Supported functions:

Read register (3)		
Request : Byte 0 : FC = 0x03 Byte 1-2: Address Byte 3-4: Number	Response: Byte 0 : FC = 0x03 Byte 1 : Number of bytes Byte 2-n: Values	Exceptions: Byte 0 : FC = 0x83 Byte 1 : 0x02 (Illegal address)

Write register (6)		
Request : Byte 0 : FC = 0x06 Byte 1-2: Address Byte 3-4: New value	Response: Byte 0 : FC = 0x06 Byte 1-2: Address Byte 3-4: New value	Exceptions: Byte 0: FC = 0x86 Byte 1: 0x02 (Illegal address) 0x03 (Illegal value)

Read actual value (4)		
Request : Byte 0 : FC = 0x04 Byte 1-2: Address Byte 3-4: Number	Response: Byte 0 : FC = 0x04 Byte 1 : Number of bytes Byte 2-n: Values	Exceptions: Byte 0 : FC = 0x84 Byte 1 : 0x02 (Illegal address)

Request slave ID (17)		
Request : Byte 0 : FC = 0x11	Response: Byte 0 : FC = 0x11 Byte 1 : Number of bytes Byte 2 : Slave ID Byte 3 : Status (0 = OFF, 0xFF = ON)	Exceptions: None

Illegal function (all not listed Requests)		
Example Request : Byte 0 : FC = 0x02	Response: None	Exceptions: Byte 0 : FC = 0x82 Byte 1 : 0x01 (Illegal function)

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