

Qulon RTS protocol description

Protocol type	Modbus RTU
Bitrate	9600 b/s
Parameters	8 data bits, no parity
Default device's address	19

Modbus registers map

Address range	Value type	Description
7000-7002	float (32 bits)	The value is located in two successive 16-bit registers. Registers contain the same data as 32-bit registers from the area 7500-7501. Registers are only for readout.
7500-7501	float (32 bits)	The value is located in the 32-bit register. Registers contain measured and calculated data of the sensor. Registers are only for readout.
16011-16011	uint (16 bits)	The value is located in the 16-bit register. Register stores device's Modbus address and can be read and written.

Registers for Readout (function 0x03) only

Address in the area 7000...7002	Address in the area 7500...7505	Name	Description
7000	7500	Identifier	the value 180.0
7002	7501	Temperature	in °C

Register for Write (function 0x06) and Readout (function 0x03)

Address	Name	Range	Description
16011	Address	1...254	Device address. To change it, write new value to this register then write any value to register 16031. Device would reboot and start to work with new address.