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Summary

Modbus String data type Support

Question

Does Modbus communication support String data type?

Answer

The Modbus model supports reading and writing holding register memory as an ASCII string. When using holding registers for string data, each register will contain two bytes of ASCII data. The order of the ASCII data within a given register can be selected when the string is defined. The length of the string can be from 2 to 240 bytes and is entered in place of a bit number. The length must be entered as an even number. The byte order is specified by appending either a "H" or "L" to the address.

String Examples:

- $1.\ To\ address\ a\ string\ starting\ at\ 40200\ with\ a\ length\ of\ 100\ bytes\ and\ HiLo\ byte\ order,\ enter\ "40200.100H".$
- 2. To address a string starting at 40500 with a length of 78 bytes and LoHi byte order, enter "40500.78L".

Note: The string's length may be limited by the maximum size of the write request that the device will allow. If, while utilizing a string tag, an error message of "Unable to write to address <address> on device <device>:

Device responded with exception code 3" is received in the server event window, this means that the device did not like the string's length. If possible, shorten the string.

Was this answer helpful?

 \bigcirc Yes \bigcirc No

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