modbus\_set\_byte\_timeout(3)

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NAME

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modbus\_set\_byte\_timeout - set timeout between bytes

SYNOPSIS

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\*void modbus\_set\_byte\_timeout(modbus\_t \*'ctx', uint32\_t 'to\_sec', uint32\_t 'to\_usec');\*

DESCRIPTION

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The \*modbus\_set\_byte\_timeout()\* function shall set the timeout interval between

two consecutive bytes of the same message. The timeout is an upper bound on the

amount of time elapsed before \*select()\* returns, if the time elapsed is longer

than the defined timeout, an `ETIMEDOUT` error will be raised by the

function waiting for a response.

The value of \_to\_usec\_ argument must be in the range 0 to 999999.

If both \_to\_sec\_ and \_to\_usec\_ are zero, this timeout will not be used at all.

In this case, \*modbus\_set\_response\_timeout()\* governs the entire handling of the

response, the full confirmation response must be received before expiration of

the response timeout. When a byte timeout is set, the response timeout is only

used to wait for until the first byte of the response.

RETURN VALUE

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The function shall return 0 if successful. Otherwise it shall return -1 and set

errno.

ERRORS

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\*EINVAL\*::

The argument \_ctx\_ is NULL or \_to\_usec\_ is larger than 1000000.

SEE ALSO

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linkmb:modbus\_get\_byte\_timeout[3]

linkmb:modbus\_get\_response\_timeout[3]

linkmb:modbus\_set\_response\_timeout[3]

AUTHORS

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