modbus\_set\_response\_timeout(3)

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NAME

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modbus\_set\_response\_timeout - set timeout for response

SYNOPSIS

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

DESCRIPTION

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The \*modbus\_set\_response\_timeout()\* function shall set the timeout interval used

to wait for a response. When a byte timeout is set, if elapsed time for the

first byte of response is longer than the given timeout, an `ETIMEDOUT` error

will be raised by the function waiting for a response. When byte timeout is

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

the response timeout.

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

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 both \_to\_sec\_ and \_to\_usec\_ are zero, or \_to\_usec\_

is larger than 1000000.

EXAMPLE

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[source,c]

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uint32\_t old\_response\_to\_sec;

uint32\_t old\_response\_to\_usec;

/\* Save original timeout \*/

modbus\_get\_response\_timeout(ctx, &old\_response\_to\_sec, &old\_response\_to\_usec);

/\* Define a new timeout of 200ms \*/

modbus\_set\_response\_timeout(ctx, 0, 200000);

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SEE ALSO

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

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

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

AUTHORS

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