modbus\_read\_bits(3)

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NAME

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modbus\_read\_bits - read many bits

SYNOPSIS

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\*int modbus\_read\_bits(modbus\_t \*'ctx', int 'addr', int 'nb', uint8\_t \*'dest');\*

DESCRIPTION

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The \*modbus\_read\_bits()\* function shall read the status of the \_nb\_ bits (coils)

to the address \_addr\_ of the remote device. The result of reading is stored in

\_dest\_ array as unsigned bytes (8 bits) set to `TRUE` or `FALSE`.

You must take care to allocate enough memory to store the results in \_dest\_

(at least \_nb\_ \* sizeof(uint8\_t)).

The function uses the Modbus function code 0x01 (read coil status).

RETURN VALUE

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The function shall return the number of read bits if successful. Otherwise it

shall return -1 and set errno.

ERRORS

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\*EMBMDATA\*::

Too many bits requested

SEE ALSO

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linkmb:modbus\_write\_bit[3]

linkmb:modbus\_write\_bits[3]

AUTHORS

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