modbus\_read\_input\_bits(3)

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NAME

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modbus\_read\_input\_bits - read many input bits

SYNOPSIS

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

DESCRIPTION

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The \*modbus\_read\_input\_bits()\* function shall read the content of the \_nb\_ input

bits 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 0x02 (read input status).

RETURN VALUE

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The function shall return the number of read input status if

successful. Otherwise it shall return -1 and set errno.

ERRORS

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\*EMBMDATA\*::

Too many discrete inputs requested

SEE ALSO

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linkmb:modbus\_read\_input\_registers[3]

AUTHORS

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