modbus\_read\_input\_registers(3)

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NAME

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modbus\_read\_input\_registers - read many input registers

SYNOPSIS

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\*int modbus\_read\_input\_registers(modbus\_t \*'ctx', int 'addr', int 'nb', uint16\_t \*'dest');\*

DESCRIPTION

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

input registers to address \_addr\_ of the remote device. The result of the

reading is stored in \_dest\_ array as word values (16 bits).

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

least \_nb\_ \* sizeof(uint16\_t)).

The function uses the Modbus function code 0x04 (read input registers). The

holding registers and input registers have different historical meaning, but

nowadays it's more common to use holding registers only.

RETURN VALUE

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The function shall return the number of read input registers 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\_read\_input\_bits[3]

linkmb:modbus\_write\_register[3]

linkmb:modbus\_write\_registers[3]

AUTHORS

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