modbus\_mask\_write\_register(3)

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NAME

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modbus\_mask\_write\_register - mask a single register

SYNOPSIS

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\*int modbus\_mask\_write\_register(modbus\_t \*'ctx', int 'addr', uint16\_t 'and', uint16\_t 'or');\*

DESCRIPTION

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The \*modbus\_mask\_write\_register()\* function shall modify the value of the

holding register at the address 'addr' of the remote device using the algorithm:

new value = (current value AND 'and') OR ('or' AND (NOT 'and'))

The function uses the Modbus function code 0x16 (mask single register).

RETURN VALUE

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

errno.

SEE ALSO

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linkmb:modbus\_read\_registers[3]

linkmb:modbus\_write\_registers[3]

AUTHORS

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