modbus\_receive\_confirmation(3)

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NAME

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modbus\_receive\_confirmation - receive a confirmation request

SYNOPSIS

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\*int modbus\_receive\_confirmation(modbus\_t \*'ctx', uint8\_t \*'rsp');\*

DESCRIPTION

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The \*modbus\_receive\_confirmation()\* function shall receive a request via the

socket of the context \_ctx\_. This function must be used for debugging purposes

because the received response isn't checked against the initial request. This

function can be used to receive request not handled by the library.

The maximum size of the response depends on the used backend, in RTU the \_rsp\_

array must be \_MODBUS\_RTU\_MAX\_ADU\_LENGTH\_ bytes and in TCP it must be

\_MODBUS\_TCP\_MAX\_ADU\_LENGTH\_ bytes. If you want to write code compatible with

both, you can use the constant \_MODBUS\_MAX\_ADU\_LENGTH\_ (maximum value of all

libmodbus backends). Take care to allocate enough memory to store responses to

avoid crashes of your server.

RETURN VALUE

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The function shall store the confirmation request in \_rsp\_ and return the

response length if sucessful. The returned request length can be zero if the

indication request is ignored (eg. a query for another slave in RTU

mode). Otherwise it shall return -1 and set errno.

EXAMPLE

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[source,c]

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uint8\_t rsp[MODBUS\_MAX\_ADU\_LENGTH];

rc = modbus\_receive\_confirmation(ctx, rsp);

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SEE ALSO

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linkmb:modbus\_send\_raw\_request[3]

AUTHORS

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