

**NAME**

modbus\_reply – send a reponse to the received request

**SYNOPSIS**

```
*int modbus_reply(modbus_t *ctx, const uint8_t *req, int req_length, modbus_mapping_t
*mb_mapping);
```

**DESCRIPTION**

The *modbus\_reply()* function shall send a response to received request. The request *req* given in argument is analyzed, a response is then built and sent by using the information of the modbus context *ctx*.

If the request indicates to read or write a value the operation will done in the modbus mapping *mb\_mapping* according to the type of the manipulated data.

If an error occurs, an exception response will be sent.

This function is designed for Modbus server.

**RETURN VALUE**

The *modbus\_reply()* function shall return the length of the response sent if successful. Otherwise it shall return -1 and set errno.

**ERRORS**

EMBMDATA

Sending has failed

See also the errors returned by the syscall used to send the response (eg. send or write).

**SEE ALSO**

**modbus\_reply\_exception(3)** **libmodbus(7)**

**AUTHORS**

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**NOTES**

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