modbus\_rtu\_set\_serial\_mode(3)

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NAME

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modbus\_rtu\_set\_serial\_mode - set the serial mode

SYNOPSIS

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\*int modbus\_rtu\_set\_serial\_mode(modbus\_t \*'ctx', int 'mode');\*

DESCRIPTION

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The \*modbus\_rtu\_set\_serial\_mode()\* function shall set the selected serial

mode:

\*MODBUS\_RTU\_RS232\*:: the serial line is set for RS232 communication. RS-232

(Recommended Standard 232) is the traditional name for a series of standards

for serial binary single-ended data and control signals connecting between a

DTE (Data Terminal Equipment) and a DCE (Data Circuit-terminating

Equipment). It is commonly used in computer serial ports

\*MODBUS\_RTU\_RS485\*:: the serial line is set for RS485 communication. EIA-485,

also known as TIA/EIA-485 or RS-485, is a standard defining the electrical

characteristics of drivers and receivers for use in balanced digital multipoint

systems. This standard is widely used for communications in industrial

automation because it can be used effectively over long distances and in

electrically noisy environments.

This function is only supported on Linux kernels 2.6.28 onwards.

RETURN VALUE

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The function shall return 0 if successful. Otherwise it shall return -1 and set

errno to one of the values defined below.

ERRORS

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\*EINVAL\*::

The current libmodbus backend is not RTU.

\*ENOTSUP\*::

The function is not supported on your platform.

If the call to ioctl() fails, the error code of ioctl will be returned.

AUTHORS

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