Instruction

SNQ Modbus RTU slave – Modbus RTU master connection

1 Required information for Hug Engineering

To prepare the NOx-Controller Modbus software in advance to the commissioning, Hug Engineering requires the following information from the customer side (see also document C.01818):

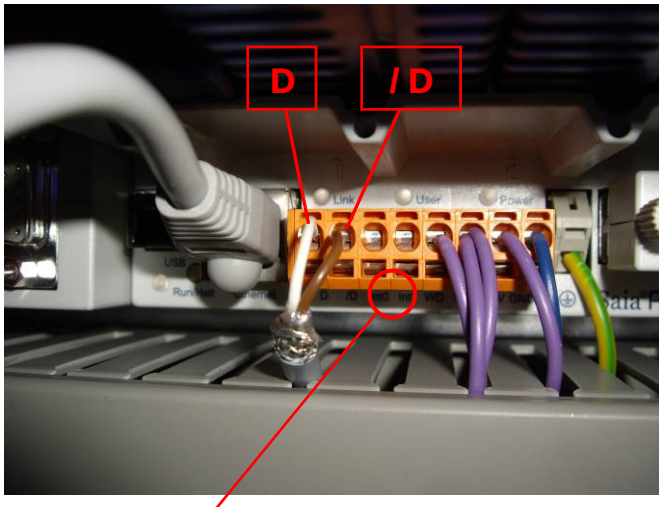
- Modbus Slave Address for every device
- Modbus Baudrate
- Number of Databits
- Number of Stoppbits
- Parity

2 Necessary information for the customer

Read the registers with Modbus function code 03 (Read Holding Registers)
The **size** of the standard communication data block is **16 Registers** (32Byte). Order and resolution of the data can be found in the document "**SNQ Modbus Register Map**" (C.01763).
The lifebit (register 40001, mask 0x0100 in the communication data block) toggles every second and can be used to monitor the Modbus communication.

3 Hardware connection

A preinstalled, shielded, two-wire signal cable has to be connected to the intended RS485 interface Terminals "**D**"(-) and "**/D**"(+) on the PLC in the cabinet.
The RS485 terminator switch needs to be switched to "C" (on).



RS485 terminator Switch O ◨ C