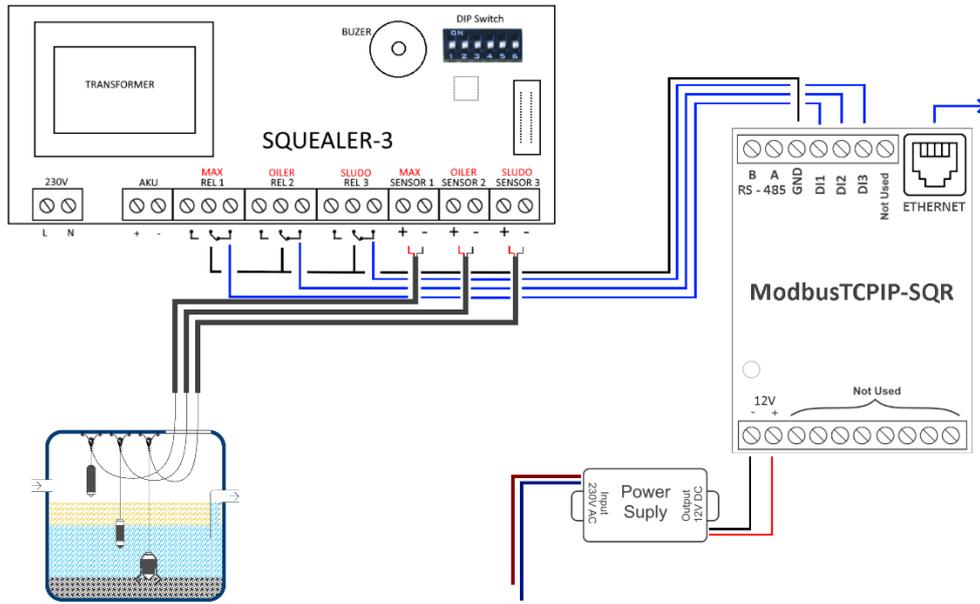# MODBUSTCPIP-SQR

CE – A device used to transmit the status of relays from the Squealer-1/2/3 controller to the BMS monitoring station using the MODBUS-TCP/IP protocol.

Communication parameters:

- Transmition speed: 9600bps (customizable),
-Connection mode: TCP Slave

Connetor Description:

-12V+- - Powe supply
- B, A   - RS485 Signal
-DI1, DI2, DI3 – Input Signals

Technical Data:

Power supply:	DC 8-28V
Inputs:	8DI, Ethernet, RS-485
Operating temperature:	-40°C ÷ +85°C
Operating humidity:	5% ～ 95%RH
Transmission speed:	1200bps - 115200bps
Connection mode:	TCP Slave (with access up to 4 clients)
Dimensions (without cable glands):	121 x 72 x 34 mm

Communication description:

01 00   00 00   00 06   01   05   00 00   FF 00

1   2   3   4 5   6   7

1- Transaction ID
1   - Protocol identifier
2   - Length
3   - Modbus address
4   - Function code
6,7 – Data

Inquiry about the alarm status:
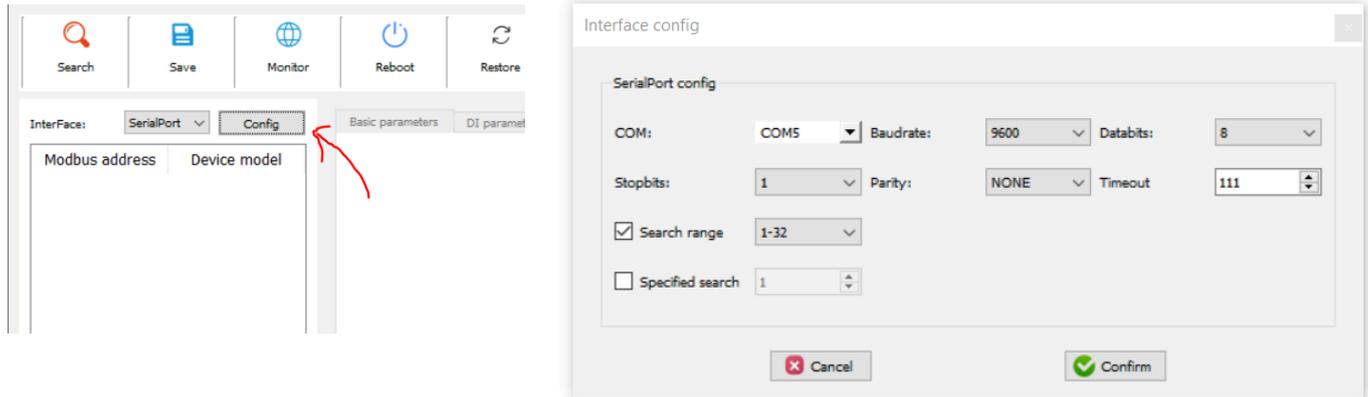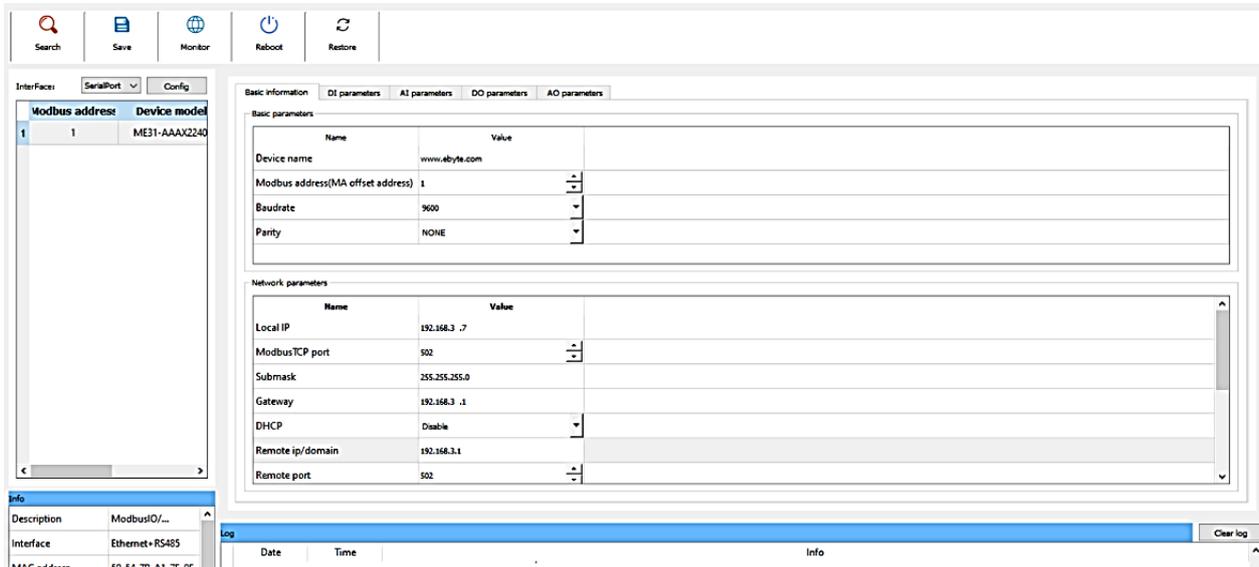
01 00 00 00 00 06 01 02 00 00 00 08

Possible answers:

Response Code	Device status
01 00 00 00 00 04 01 02 01 00	Ok, normal state
01 00 00 00 00 04 01 02 01 01	Max probe alarm
01 00 00 00 00 04 01 02 01 02	Oiler probe alarm
01 00 00 00 00 04 01 02 01 03	Oiler, Max probes alarm
01 00 00 00 00 04 01 02 01 04	Sludo probe alarm
01 00 00 00 00 04 01 02 01 05	Sludo, Max probes alarm
01 00 00 00 00 04 01 02 01 06	Sludo, Oiler probes alarm
01 00 00 00 00 04 01 02 01 07	Sludo, Oler, Max probes alarm

First Configuration:

1. Download the Modbus_Config.exe program from our website novabo.com. You will find it under the tab:

Products > Alarms for separators > Accessories > MODBUSTCPIP-SQR

2. Connect the RS485-USB adapter to the device via the 485 connector and to the computer via the USB connector. Power on the device.

3. Run the Modbus_Config.exe program on the computer.

4. From the window on the left, select the "Serial port" interface option, choose the COM port to which the adapter is connected, set the other parameters as shown in the picture, and press the "Search" button.

5. On the right side, change the network settings to match your local network.

Instructions for Safe Use:

The device should be used according to its intended purpose. Before installation, please read the device's manual.

In the case of installation, servicing, inspection, and repairs in areas with potentially explosive atmospheres, the regulations and standards applicable in the respective country should be followed.

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