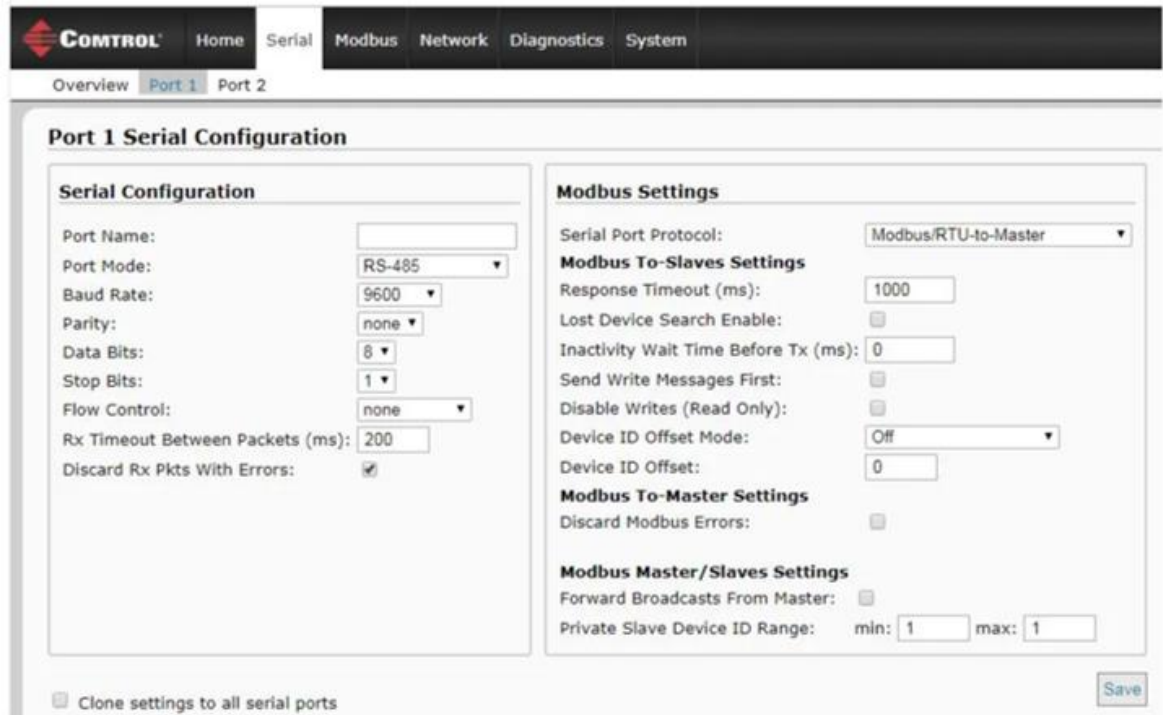


HOW TO CONFIGURE THE NIR-O FOR RS485 COMMUNICATION

Warning! Do not connect RS-422/485 devices until the IP address is configured and an appropriate port interface type has been configured. The default port setting is RS-232.

1. Configure the DeviceMaster as follows. **Don't forget to save!** Port 1 is shown, but either port can be RS485.



The screenshot shows the CONTROL web interface for configuring a DeviceMaster. The navigation menu includes Home, Serial, Modbus, Network, Diagnostics, and System. The current page is 'Port 1 Serial Configuration'.

Serial Configuration

- Port Name: [text input]
- Port Mode: RS-485 (dropdown)
- Baud Rate: 9600 (dropdown)
- Parity: none (dropdown)
- Data Bits: 8 (dropdown)
- Stop Bits: 1 (dropdown)
- Flow Control: none (dropdown)
- Rx Timeout Between Packets (ms): 200 (text input)
- Discard Rx Pkts With Errors:

Modbus Settings

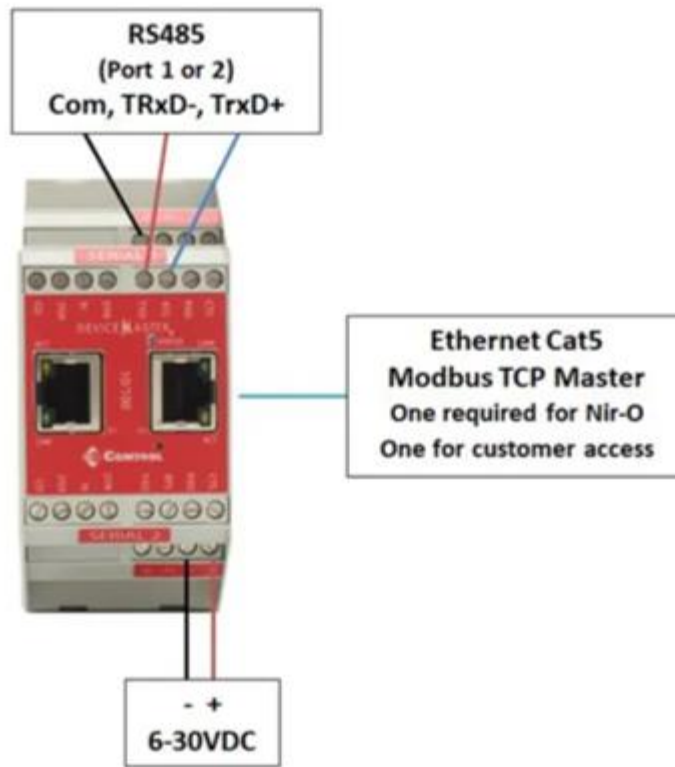
- Serial Port Protocol: Modbus/RTU-to-Master (dropdown)
- Modbus To-Slaves Settings**
 - Response Timeout (ms): 1000 (text input)
 - Lost Device Search Enable:
 - Inactivity Wait Time Before Tx (ms): 0 (text input)
 - Send Write Messages First:
 - Disable Writes (Read Only):
 - Device ID Offset Mode: Off (dropdown)
 - Device ID Offset: 0 (text input)
- Modbus To-Master Settings**
 - Discard Modbus Errors:
- Modbus Master/Slaves Settings**
 - Forward Broadcasts From Master:
 - Private Slave Device ID Range: min: 1 max: 1 (text inputs)

At the bottom left, there is a checkbox for 'Clone settings to all serial ports'. At the bottom right, there is a 'Save' button.

NIR-O Port 1 is shown, but either port can be used

NIR-O Port 1 is shown, but either port can be used

2. Wire up the DeviceMaster to RS485 device



NIR-O Port 1 or 2

NIR-O Port 1 or 2

3. Wire up using only Txd , RTS and Signal gnd.

DEVICE MASTER	AS TESTED on MY PC with USB 422/485 CONVERTER
TxD	TxD-
RTS	TxD+
Signal Gnd	Com