BINMASTER *SMART*BOB SYSTEM
RS232/RS485 INTERFACE MODULE
INSTALLATION INSTRUCTIONS

1. Connect the RS485 cable to the proper terminals of the connector block. Take care to maintain the correct polarity of the wires. The terminal block is a pluggable type and can be unplugged to facilitate attachment of the wires.

NOTE: The ends of an RS485 line are typically terminated with a resistor. The BinMaster interface is shipped from the factory with a termination resistor connected. This is correct for most installations since the interface is usually connected to one end of the RS485 line. If the interface is not at the end of the RS485 line, the termination resistor should be disconnected. To accomplish this, remove the top cover of the interface by removing the four screws from the bottom of the unit. On the circuit board near the RS485 connector is a movable jumper labeled NTR. Move this jumper to the OFF terminals to disconnect the resistor. Replace the top cover on the interface.
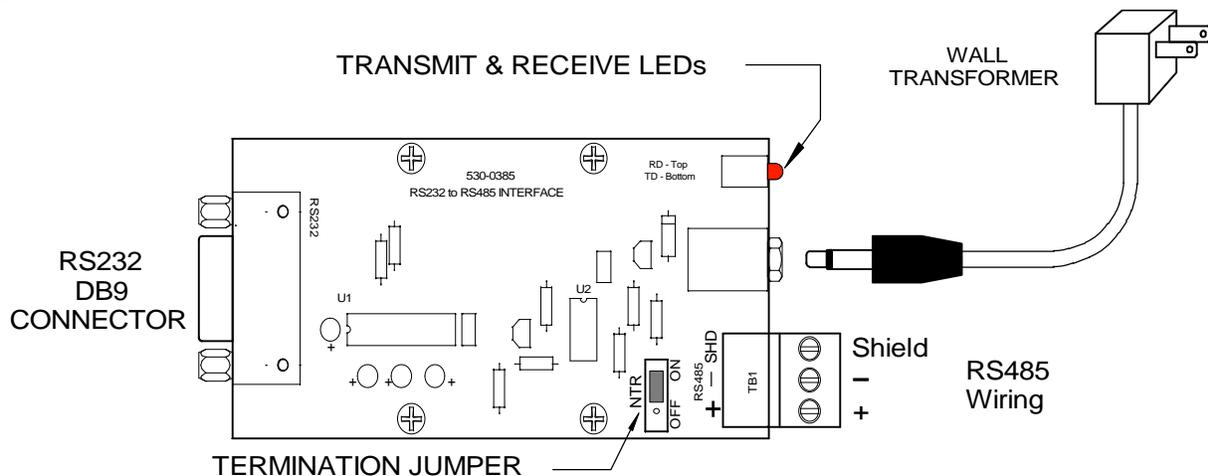
2. Using the male/female DB9 serial cable supplied with the BinMaster interface, connect the unit to the RS232 port on the computer that is selected in the BinMaster IMS program.

3. Plug the 9VDC power connector from the wall transformer into the interface and plug the transformer into a 115VAC power outlet. The top LED indicator on the interface should light red. If it does not, check the 115VAC power connection.

NOTE: When the computer is powered up, the lower LED near the power plug on the interface should light Red or Green. When a vessel measurement is taken from the IMS software the lower LED should be Red and flashes Green once at the moment the measurement is requested. If it does not do this, check that the port is properly selected in the IMS software and that no other program on the computer is using the same port.

The lower LED is the transmit data (TD) indicator. It flashes Green whenever data is sent from the computer to the SmartBob sensors.

The upper LED is the receive data (RD) indicator. It flashes Green whenever data is received from a SmartBob sensor.

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