

Troubleshooting Serial Cable Wiring with a Null Modem Adapter

Issue: Indicator unable to establish a connection to the device

Potential Cause: Serial cable wires are switched inside the indicator

Solution: Attach a null modem adapter to the connector to troubleshoot wiring



Manuals and additional resources are available from Rice Lake Weighing Systems at www.ricelake.com/manuals

Warranty information can be found at www.ricelake.com/warranties

A null modem adapter can be used to troubleshoot wiring without opening the enclosure of the indicator. This is a temporary fix to switch the transmit and receive pins of the serial cable connection if it is incorrectly wired. See the indicator technical manual for connector locations and pin assignments.

Available Null Modem Parts

- Null Modem Cable (64794)
- Null Modem Adapter (130798)
- Communication Kit (166204)



NOTE: The Communication Kit includes PN 130798.

Use the following procedure to test the wiring of a serial cable with a null modem adapter:

1. Acquire the correct type of null modem adapter for the serial cable connection.



Figure 1

2. Attach a null modem adapter to the serial cable connector.

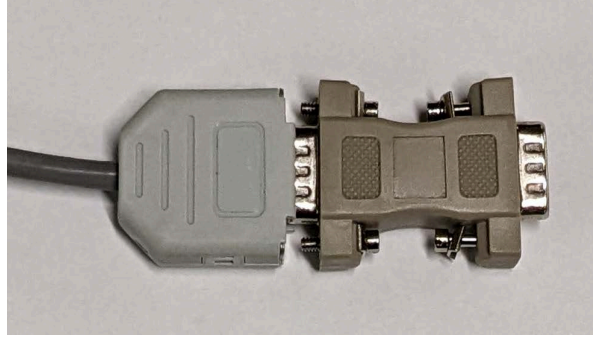


Figure 2

3. If needed, add a gender changer to the connector cable.

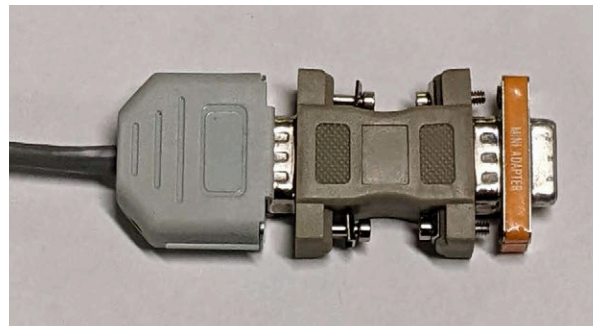


Figure 3

4. Test for connectivity. If connectivity test fails, consult a technician for repair.



NOTE: Use the null modem adapter until wiring can be corrected by a trained technician.



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