

NexSens RS-485 to RS-232 Adapter Quick Start Guide

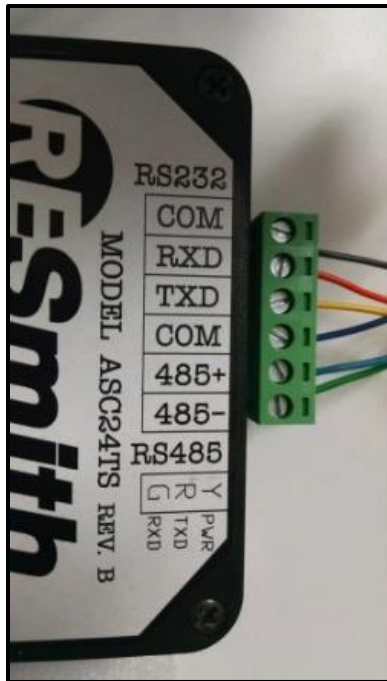
The RS-485-RS-232 adapter converts RS-485 sensor communication to RS-232 for use with thermistor strings and water quality sensors.



Wiring

To interface with sensors fitted with a NexSens UW receptacle, a flying lead cable (UW-FLx) must be used to connect the sensor to the RS485 inputs on the terminal strip.

RESmith Adapter Terminal Connection	UW-FLx Wire Color	Source
485-COM	-	Jump to UW-FLx Black
485+	Blue	UW-FLx Flying Lead
485-	Green	UW-FLx Flying Lead



An example setup for the right terminal strip. 485+ is blue, 485- is green, and 485-COM contains a free wire connected to ground.

The RS232 cable connection should be inserted in the spots above the 485 connection.



UW-FLx

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- 1 Once the proper connections are made, remove the cover on the adapter to access the 8-15VDC terminal inputs.



- 2 Connect the power and ground signals on the adapter between the 8-15VDC terminals and a 12VDC source to apply power.
- 3 Either route the power (Red) and ground (Black) wires on the UW-FLx into the same terminals or connect the wires to a separate 12VDC source to apply power to the sensor.