

UW-FWP Quick Start

Wiring



SensorBUS Signal	UW-8P Pin	Standard NexSens Cable Color	UW-FWP Terminal Name	UW-FWP Terminal Pin
RS-232 Tx	1	Orange	RS232 TX	J1
Ground	2	Black	GND	J2
RS-232 Rx	3	Yellow	RS232 RX	J3
5V	4	White	5V	J4
12V	5	Red	12V	J5
SDI-12	6	Brown	SDI-12	J6
RS-485 B	7	Blue	RS485 B	J7
RS-485 A	8	Green	RS485 A	J8



Assembly

1. Mark the cable at 3" and 5-3/4" from the end



2. Strip the cable jacket at the 3" mark
3. Cut away any unneeded cable shielding, fillers, etc.
 - Sensor manufacturers often recommend connecting the cable's drain wire to the logger's ground for noise reduction. If this is the case, do not cut the drain wire and instead cover all but the end with heat shrink
4. Strip all wires 1/8"
 - It is recommended to tin the wires to ensure a more secure connection



5. Disassemble the UW-FWP
 1. Remove the two set screws with a 7/64" hex driver
 2. Pull the sleeve off the bulkhead



6. Feed the wires through the flex fitting and sleeve



7. Align the top of the flex fitting with the 5-3/4" mark



8. Tighten the flex fitting onto the cable using a wrench
 - It is important to get this tight to prevent moisture incursion into the connector
 - Do not over-tighten with vented sensors to avoid pinching the vent tube closed
9. Screw the wires into the appropriate terminal pins (see table above) using a small flathead screwdriver



10. Gently press the bulkhead into the sleeve
 - Desiccant should be installed at this point for the vented version [-V]
 - Ensure the set screw holes align before pressing closed



11. Install the set screws through the sleeve and into the bulkhead