DataOnline Interceptor

Required Hardware and Tools

To complete installation of a VMG DataOnline Interceptor device ensure that the following items are on-hand.

VMG Sensor

VMG DataOnline interceptor unit

▶ DataOnline Data Port product assembly

▶ 18-inch Sensor Cable (included in interceptor kit)

▶ Cable gland (similar to Bud Industries NG-9511)

▶ 2.0 mm flathead screwdriver

▶ Philips head screwdriver

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1 Open the DataOnline unit by unscrewing the plastic screws at the four corners of the unit with a Philips head screw driver. When the unit is opened it will look like **Figure 1**.
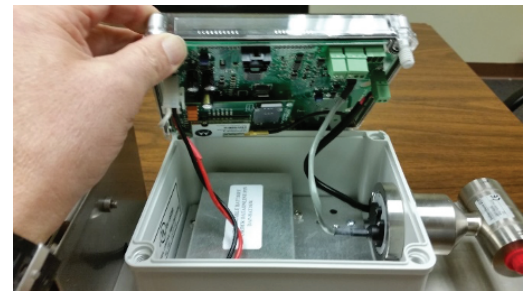

Figure 1. Inside of a DataOnline unit

2 Disconnect the white 4-pin connector, the green 3-pin screw terminal connector, and the green 2-pin screw terminal connector to separate the control board from the pressure sensor and battery **(Figure 2)**.

Figure 2. Disassembled DataOnline Unit

3 Remove the green 3-pin connector from the red and black wire of the pressure sensor. Once the connector is removed from the wiring, reinsert it onto the control board.

Figure 3. Removal of green 3-pin connector

4 Install the pressure sensor wires (the wires just unscrewed) onto the Interceptor terminals as shown in **Figure 4**. It is important that the wires are placed in the proper receptacles. The red wire should be installed closest to the short group of wires protruding from the DataOnline Interceptor board.
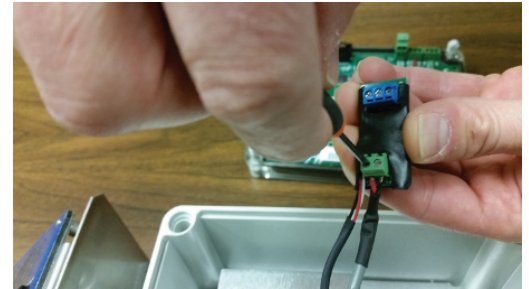

Figure 4. Attaching pressure sensor to DataOnline Interceptor

5 The red, white, and black wires protruding from the DataOnline Interceptor board (VMG Part) will connect to the DataOnline control board in the manner pictured in Figure 5. The red wire will be placed into the middle of the 3-pin connector labelled "VE", the white wire will be placed into the connector labelled "IP1", and the black wire will be placed into the green 2-pin connector labelled "GND".

Figure 5. Connecting DataOnline Interceptor to DataOnline control board.

6 To connect the VMG Sensor to the unit, the 18-inch cable will have to be fed into the DataOnline unit through a small access gland at the bottom-left of the unit. Once inserted, connect the red, white, and black wires of the 18-inch cable into the blue connector of the DataOnline Interceptor board. **Note: The cable gland (not supplied) should replace the vent in the enclosure.**

Connect the red wire to the far left end labelled "VIN", the white wire to the middle connector labelled "OUT", and the black wire to the far right connector labelled "GND".
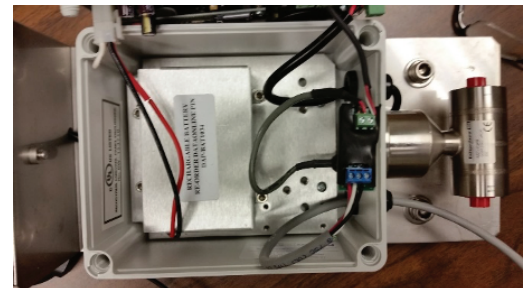

Figure 6. Fully assembled unit connected to VMG Sensor.

7   Reconnect the white 4-pin battery connector and the 2-pin solar collector connector to the control board. Reinstall the control board and cover assembly making sure the Interceptor and wiring are not stressed or pinched. Fasten the cover and screws on top of the DataOnline unit.

8   Attach the red, white and black wiring from the 18" cable into the Sensor terminals according to the Sensor terminal definitions. [P = Red wire, G=Black wire, 1=White wire]

Mechanical attachment of the Sensor is left to the discretion of the installer.

Installation of the DataOnline Interceptor is complete.

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