900M-RSU-V — Setup Instructions

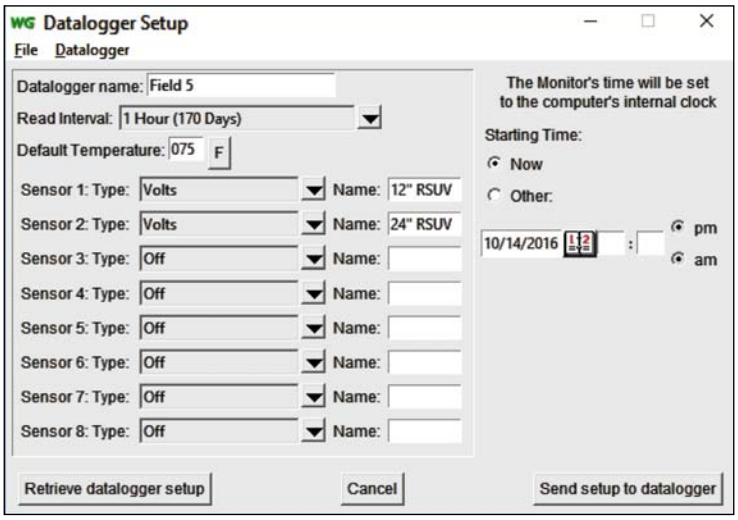
IRROMETER Voltage Remote Sensing Units (RSU-V) report voltage value to the WATERMARK Monitor. To read the output properly, both the Monitor and WaterGraph software must be configured.

Setting Up the WATERMARK Monitor

Open WaterGraph and connect the cable to the WATERMARK Monitor. Download any data from the Monitor that you do not want deleted. Changing the configuration will delete the data currently stored on the device.

Select the "Setup Datalogger" button. The program will connect to the device and retrieve the current configuration.

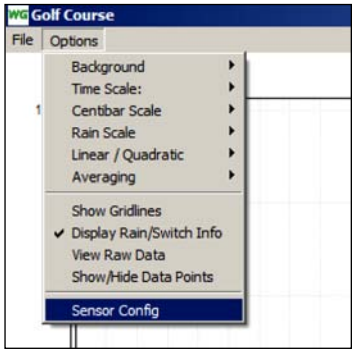
For the channels which have RSU-Vs connected to them, set the Sensor Type to "Volts". Give each sensor a name, make any other changes to the existing parameters and when finished, select "Send setup to datalogger".



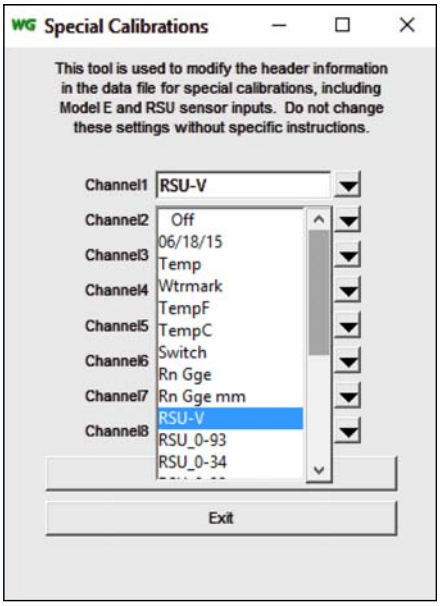
Configuring WaterGaph Software

The Monitor will now correctly read the RSU-V voltage. WaterGraph software is used to convert these values to Centibars (kPa) for display on the graph.

After data has been collected and downloaded the first time, the values will display as voltages on the graph.



To set the calibration for converting voltages to Centibars (kPa), go the "Options" menu in the graph window *(shown right)* and select "Sensor Config".



For the appropriate channels, select the calibration required. An instrument equipped with an RSU-V would use the RSU-V label.

Select the "Save Configuration" button, which will automatically close the graph. When the graph is reopened, the calibration will be applied and the data will be displayed in the correct scale.

This calibration data is stored in a csv file, not the Monitor. When the file is opened, the calibration will automatically be applied. When new data is downloaded and saved to the same file, the calibration will be maintained.

If data is downloaded and saved to a new file, this calibration will have to be set again for the new data file.

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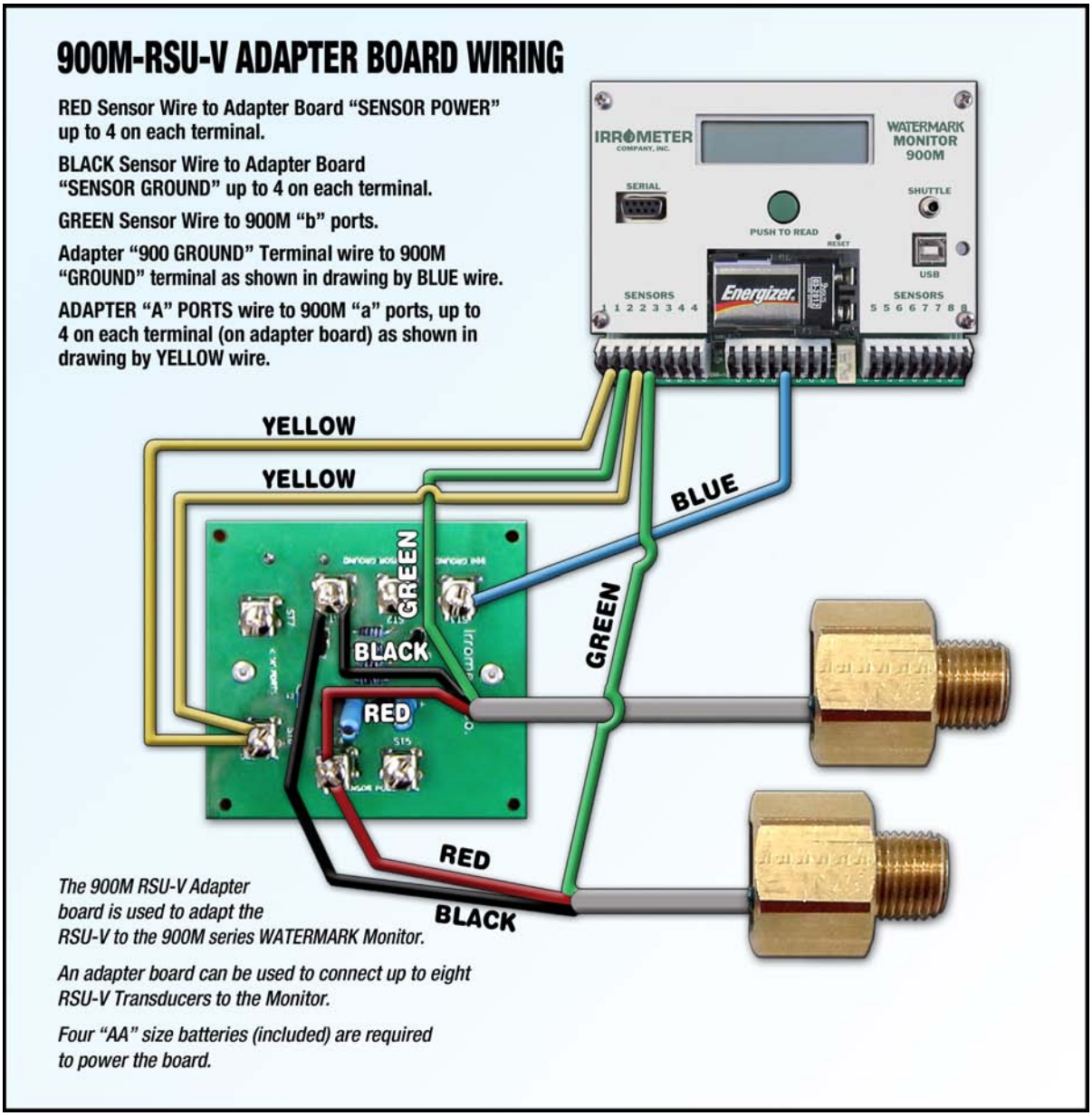
Up to eight IRROMETER RSU-V instruments can be connected to the 900M. Follow the wiring diagram below for proper connections. The adapter board will fit inside the 900M enclosure. Extend wire as needed to the RSU-V per the recommendations in the RSU-V instructions.



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