

The RVE Voltage Output Input Cable allows the RVE Programmable sensors to be connected to the REDARC Rogue system. See the below steps for connection and programming.

CONNECTION

Connect the wiring as shown in the diagram Fig 1, ensure joints are properly connected and have adequate protection.

When connecting VOIC ground (White), make sure it is connected to **both** the Rogue green **and** black cables.

Repeat for any other channels used.

The next step is to determine the voltage range of the sensor in the tank.

This is done by using a multi-meter set to DC and connecting the leads to ground and signal. If everything is connected correctly and powered up, you will see a voltage of approximately 1.8-2.8 volts.

Ensure that the tank is empty and record this empty voltage value, fill the tank to full and record the full voltage value. Repeat for any other tanks connected.

PROGRAMMING

The first step is to enable the sensors and set empty and full in the TVMS. To do this, open the configurator app and select the configuration you wish to use from the list under the Choose Configuration banner in green.

Navigate through the menus by selecting **WIRING CONFIGURATION** → **TVMS ROGUE** → **SENSOR INPUTS** → **SENSOR INPUT EA1**.

Once you are at this screen and using Fig 2 for reference, enable the sensor by sliding the toggle button (1) and select Fluid tank level if not already selected. (2)

Next, under the Tank Sensor Details banner in green, select custom in sensor type (6) and voltage for sensor units (7).

Select tank level 0% and change the the empty voltage value (5) to the value you recorded earlier (eg; 1.8V) and press save. (8)

Repeat for tank level 100 percent and your recorded full value (eg; 2.8V).

Change the label (3) and type (4) if desired (Fresh /Grey etc). Repeat for any other tanks connected (press **BACK** and **SENSOR INPUT EA2**)

Navigate back several times to the main configuration menu (which will have the program icon in the bottom right corner) remembering to save your changes (8). Under the Red Vision User Interface banner in green, select **TVMS DISPLAY** → **HOME SCREEN** and select a home screen layout that has a water display option. (2 Green tanks)

In the drop-down menu under TVMS tank levels, select the tanks you wish to display, and press save (8).

Navigate back to the configuration menu and press the program button in the bottom right corner. The configurator will spend several minutes updating the TVMS. The display will take about a minute to display the levels if there is any liquid in the tanks.

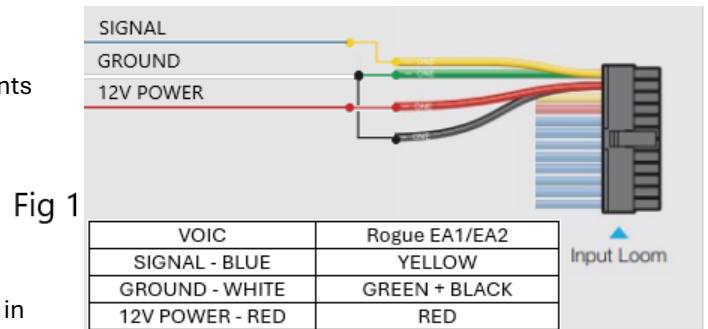


Fig 1

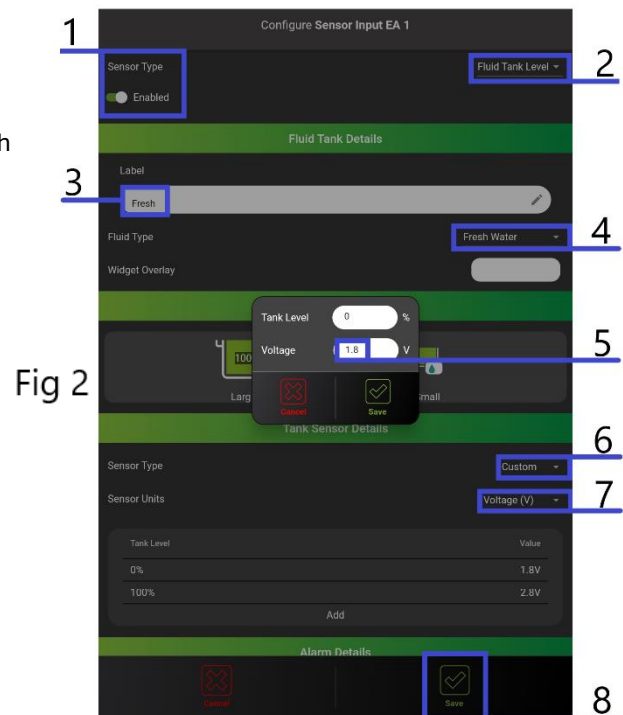


Fig 2