



RV ELECTRONICS
MANUFACTURER OF RECREATIONAL VEHICLE ACCESSORIES



VOLTAGE OUTPUT
INTEGRATION
CABLE
INSTRUCTIONS

THE RV ELECTRONICS INTEGRATION CABLE IS DESIGNED TO ALLOW THE PROGRAMMABLE SENDERS TO BE USED WITH ANY SYSTEM THAT ACCEPTS A 0-5V SIGNAL, IN THIS CASE A SIMARINE SC303/503

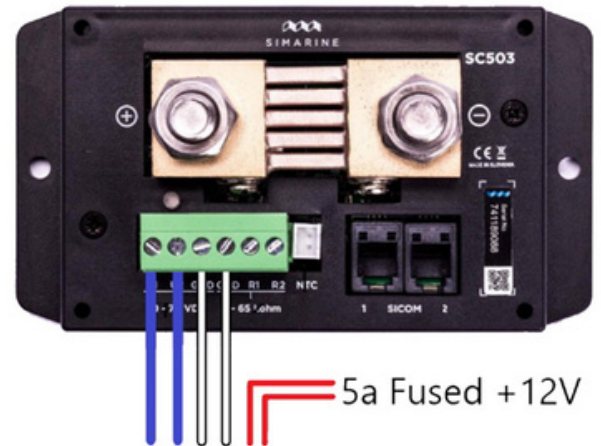
CONNECTION TO MODULE:

1. Connect the signal (Blue) to U1 or U2 on the module
2. Connect the earth (white) to GND on the module
3. Connect power (red) to the 12V+ via the 5A fuse

PROGRAMMING:

After connecting a tank sensor to an appropriate module (ST 107, SC303/503, SCQ25T) input, you can configure the tank by following these steps: In the settings menu, navigate to **devices > tanks**. select **“add new”** and fill in the requested data:

- name-** name the tank accordingly
- type-** select the tank type (water/grey) which defines the colour of the tank on the pico’s screen.
- sensor type-** select the used sensor’s type (voltage).
- sensor-** select the sensor input from the voltage inputs that are not already used elsewhere in the configurations be displayed on the screen.
- capacity-** input the full tank capacity.
- calibration points-** add calibration points for different tank levels. for a proper configuration, at least two calibration points are required.



SETTINGS

< OHMMETERS

SC303 [0216835249]	10060
ST107 [0167137256] R1	65535
ST107 [0167137256] R2	65535
ST107 [0167137256] R3	65535
ST107 [0167137256] R4	404

For square shaped tanks, we suggest two calibration points (full and empty). for irregular shaped tanks, we suggest you input a third (the middle) point. the rest will be calculated by pico on the fly.

Display priority- set the display priority of the tank (this is practical only when there are multiple tanks configured).

Display mode- standard: displays tank content in measuring unit and percentage. Fewer data: display tank content only in percentage.

Repeat these steps for number of sensors you wish to use.

CALIBRATING THE PICO FOR THE RV ELECTRONICS SENSOR IS A 3 STEP PROCESS:

1. with the tank empty, take note of the empty value displayed eg. 3047.
2. fill the tank to full and take note of the full value displayed eg. 25560
3. input these values into the pico calibration points