

RV ELECTRONICS Programmable LCD Water Level Indicator



# RV ELECTRONICS Programmable LCD Water Level Indicator Instruction Manual

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**RV ELECTRONICS Programmable LCD Water Level Indicator**



### Specifications:

- Product Name: Programmable LCD Water Level Indicator
- Compatible with: RV Electronics Programmable Sender Probes
- Suitable for: Plastic and metal tanks

### Product Usage Instructions

#### Step 1: Positioning and Installation

1. Choose a suitable position to place the water gauge display.
2. Ensure that there is access to feed the wiring loom through the wall cavity or cupboard to the tank sender.
3. Use the provided template to mark out the hole for the display unit.
4. Carefully cut the internal wall, making sure not to damage any wall beams, wiring, or plumbing.
5. Feed the wiring loom through the wall cavity to the senders.
6. Remove the sticky tab backing from the display unit and attach it to the wall.

#### Step 2: Tank Calibration

If your installation differs from the standard tank height of 180mm and the sender is positioned halfway up the tank, follow the tank calibration procedure:

### Triple Gauge Example:

1. Drain the water out of the tanks that you wish to calibrate.
2. Remove the front cover of the gauge board by pushing the wings outwards from the center.
3. Locate the 6-position DIP switch and set the button on the front of the gauge board.

### Tank Calibration Steps:

1. **Step 1:** To set the tank as empty, slide the DIP switch in position 1 to ON and press the SET button until the 2 bottom LCD needles on the gauge flash. Make sure to return the DIP switch to OFF when done.
2. **Step 2:** To set the tank as full, fill the water tank to its maximum capacity, slide the DIP switch in position 2 to ON, and press the SET button until the top two LCD needles on the gauge flash. Make sure to return the DIP switch to OFF when done.

For C Tank, use switches 3 and 4 for empty and full calibration respectively. For R Tank, use switches 5 and 6 for empty and full calibration respectively.

If you make a mistake or want to reset a tank to the factory settings, simply slide both the EMPTY and FULL DIP switches to ON for the tank you wish to reset (e.g., DIP position 1 + 2). Press and hold the SET button until all the gauge needles flash ON and OFF.

To reset the gauge to default factory settings, set all DIP switches to ON and press and hold the SET button until all gauge needles flash ON and OFF.

### FAQ:

- Q: Can this water level indicator be used with tanks made of materials other than plastic and metal?  
A: No, this water level indicator is specifically designed for use with plastic and metal tanks.
- Q: How do I calibrate the tank if my installation has a different tank height or sender position?  
A: Please follow the tank calibration procedure outlined in the user manual. It provides step-by-step instructions on how to calibrate the tanks based on your specific installation.
- Q: How do I reset a tank to the factory settings?  
A: To reset a tank to the factory settings, slide both the EMPTY and FULL DIP switches to ON for the tank you wish to reset. Press and hold the SET button until all the gauge needles flash ON and OFF.
- Q: How do I reset the entire gauge to the default factory settings?  
A: To reset the entire gauge to the default factory settings, set all DIP switches to ON and press and hold the SET button until all gauge needles flash ON and OFF.

## PROGRAMMABLE LCD WATER LEVEL INDICATOR

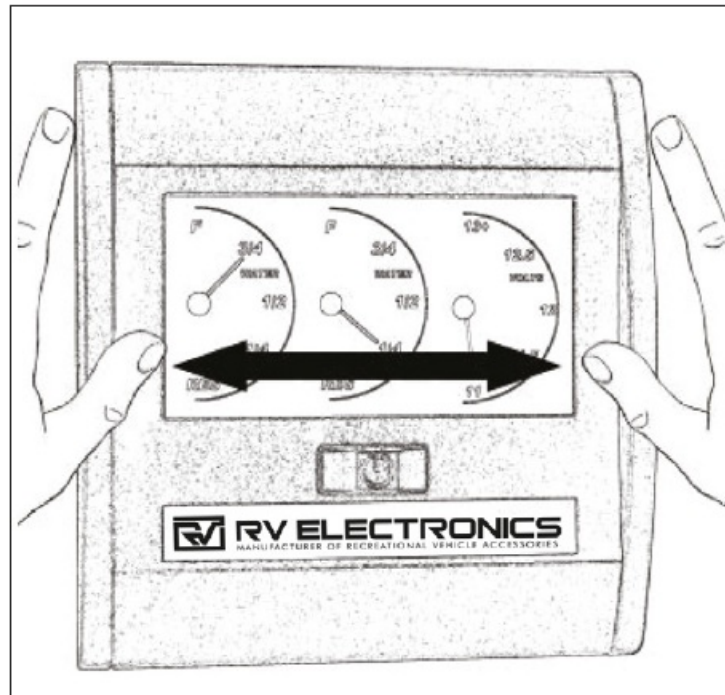
### TRIPLE TANK – FITTING INSTRUCTIONS

FOR USE WITH RV ELECTRONICS PROGRAMMABLE SENDER PROBES ONLY. SUITABLE FOR PLASTIC AND METAL TANKS

- Choose a position to place the water gauge display where it is possible to feed the wiring loom through the wall cavity or cupboard to the tank sender. Mark out the hole using the provided template and carefully cut the

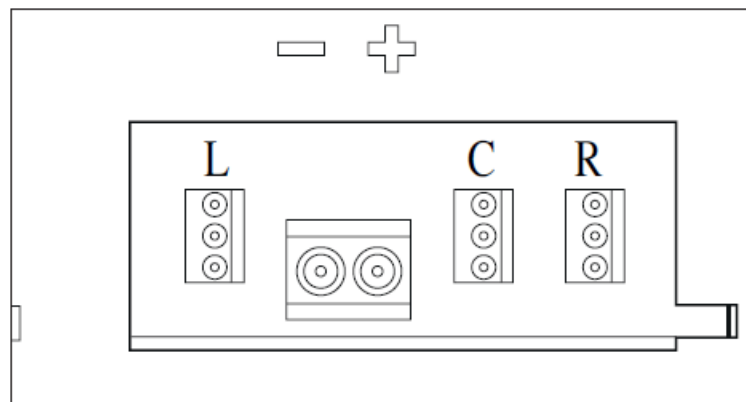
internal wall making sure not to cut into any wall beams, wiring or plumbing.

- Feed the wiring loom to the senders through the wall cavity, remove the sticky tab backing from the display unit, and attach to the wall.
- The RV Electronics display unit works by reading each sender voltage and comparing it to the pre-calibrated empty and full voltages for each tank.
- Each tank empty and full setting is set by sliding one of the DIP switches to on and by pressing the set button.
- The factory pre-programmed settings are for the standard tank height of 180mm and the sender positioned halfway up the tank.
- If your installation is different, you will need to follow the tank calibration procedure below.

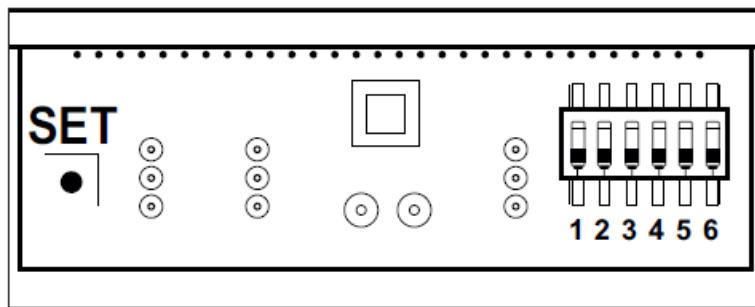


## INSTALLATION STEPS

1. STEP 1: Triple gauge example: Drain the water out of the tanks that you wish to calibrate and remove the front cover by pushing the wings outwards from center. Once removed you will see a 6-position DIP switch and a set button on the front of the gauge board.
2. STEP 2: The triple tank diagram in Fig 1 shows L, C & R plugs are used. In Fig 2, switches 1 & 2 are used for the L plug, 3 & 4 switches for C plug and 5 & 6 for R plug.



**Fig. 1**



**Fig. 2**

3. STEP 3: To set empty, slide the DIP switch in position 1 to ON and press SET button until the 2 bottom LCD needles on the gauge flash. (Make sure you return the DIP switch to OFF when done).
4. STEP 4: To set the display full, fill the water tank to full, slide the DIP switch in position 2 to ON, and press the SET button until the top two LCD needles on the gauge flash. (Make sure you return the DIP switch to off when done).

For C Tank, use 3 for EMPTY and 4 for FULL. For R Tank, use 5 for EMPTY and 6 for FULL.

1. If you make a mistake or want to reset a tank to the factory settings, simply slide both the EMPTY and FULL DIP switches to ON for the tank you wish to reset. (eg DIP position 1 + 2) Press and hold SET button until all the gauge needles flash ON and OFF.
2. If you wish to reset the gauge to default factory settings, simply set all DIP switches to ON and Press and hold the SET button until all gauge needles flash ON and OFF.

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## Documents / Resources

	<p><a href="#">RV ELECTRONICS Programmable LCD Water Level Indicator</a> [pdf] Instruction Manual          Programmable LCD Water Level Indicator, LCD Water Level Indicator, Water Level Indicator, Level Indicator, Indicator</p>
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## References

- [RV Electronics – RV Electronics Pty Ltd](#)
- [User Manual](#)

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