OneControl® Tank Monitor V1 Controller

OEM INSTALLATION MANUAL

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Introduction

The OneControl® Tank Monitor can be used to monitor up to 9 tanks — 7 water tanks and 2 fuel tanks. The tank monitor also has 4 latching relays that can be used to operate other devices, such as an electric water heater, gas water heater, water pump, or water tank heater.

Safety

⚠WARNING

The "WARNING" symbol above is a sign that an installation procedure has a safety risk involved and may cause death, serious personal injury, severe product or property damage if not performed safely and within the parameters set forth in this manual.

⚠CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- #8 x 1" wood screws

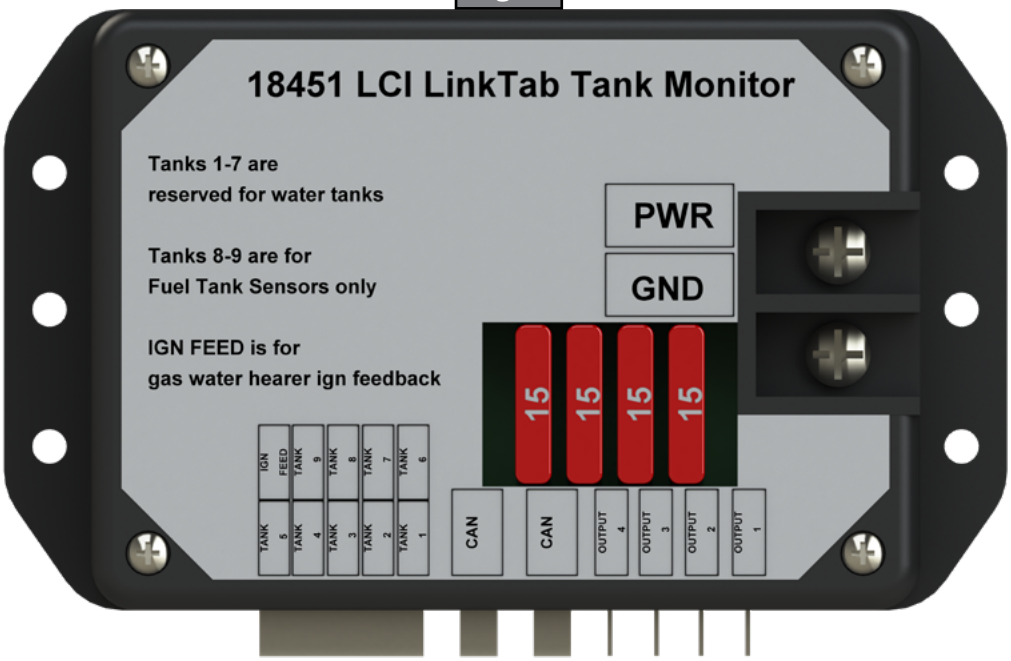
Installation

1. Mount tank monitor controller (Fig. 1) by securing to a solid surface with #8 x 1" wood screws or equivalent.

NOTE: An ideal location can be chosen by the OEM.

2. Connect to DC 12 V power and ground.
3. Connect CANBUS Data wires (in proper sequence with MyRV system components).
4. Connect tank wire harness.
5. Connect the first tank's sensor resistor pack signal wire to proper (tank) input on harness (Fig. 8).
6. Repeat steps for each tank.

Fig. 1



Harness

NOTE: Tanks 1-7 are reserved for water tanks sensors. Tanks 8-9 are for fuel tank sensors only. Ignition FEED is for gas water heater ignition feedback (Fig. 2) and (Fig. 3).

NOTE: All harness wires are 18 g. minimum.

Fig. 2

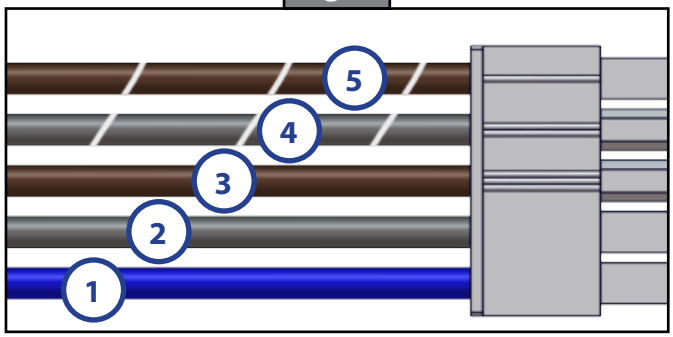
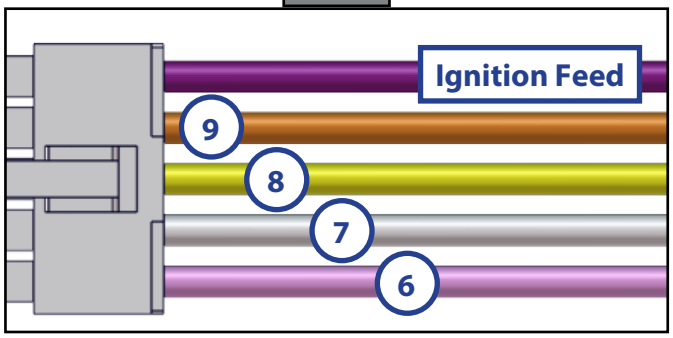


Fig. 3

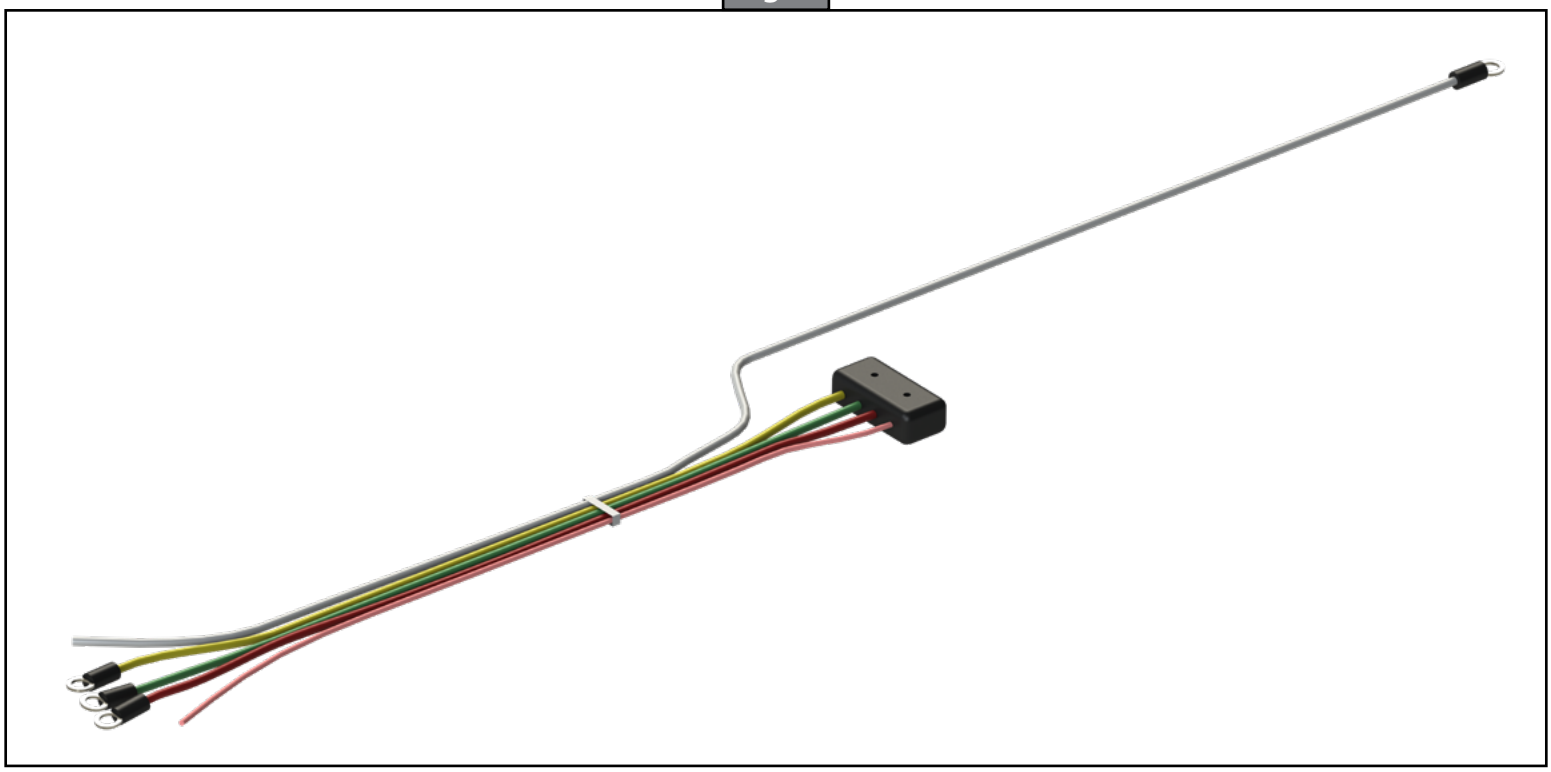


Resistor Pack

- White – Ground(-) connect to EMPTY (E) sensor
- Yellow – connect to LOW level (⅓) sensor
- Green – connect to MID level (⅔) sensor
- Red – connect to FULL level (F) sensor
- Pink – signal wire connects to "Tank" wire from monitor harness. This wire is connected to the proper input wire on the panel harness.

NOTE: The sensors are connected to the yellow, green, and red wires on the sensor resistor pack (Fig. 4). The tank sensor resistor pack connects to the tank sensor with an eyelet being screwed down onto the sensor.

Fig. 4



Operation

OneControl® Control Panel

1. The control panel will operate various devices connected to the OneControl® system.
2. Locate “OneControl® Control Panel” (Fig. 5).
3. Pressing the “OneControl® Control Panel” (Fig. 5A) will open “OneControl® Applications”.
4. Pressing the "Tank Monitor" icon (Fig. 6A) will allow you to access the tank monitor screen (Fig. 7).

NOTE: The indicator panel light will be depicted by the use of the tank; a gray line for the gray tank, a blue line for the blue tank, etc.

NOTE: Only the tanks used and configured will be displayed on the screen.

NOTE: Battery voltage is also displayed on the monitor panel screen (Fig. 7A).

Fig. 5

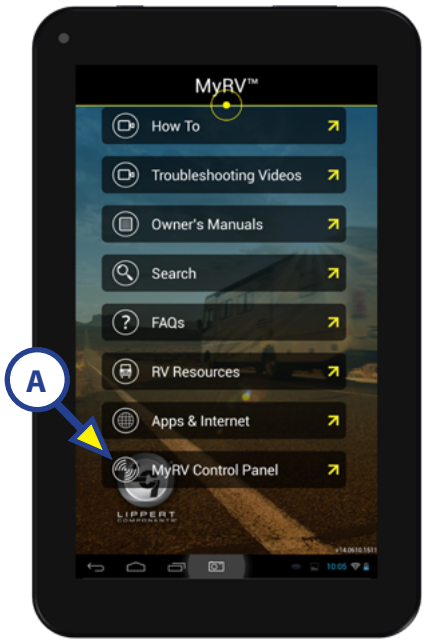
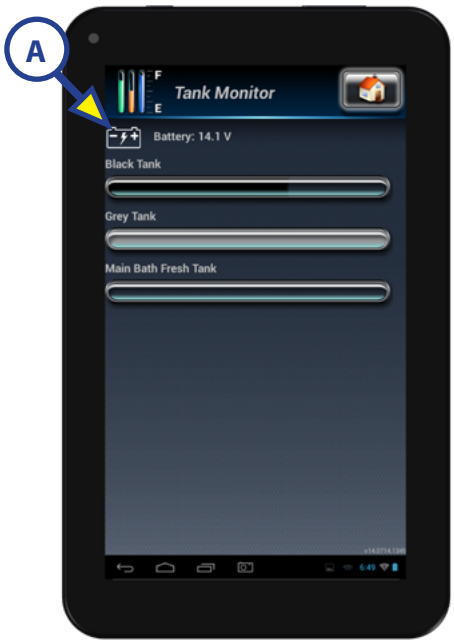


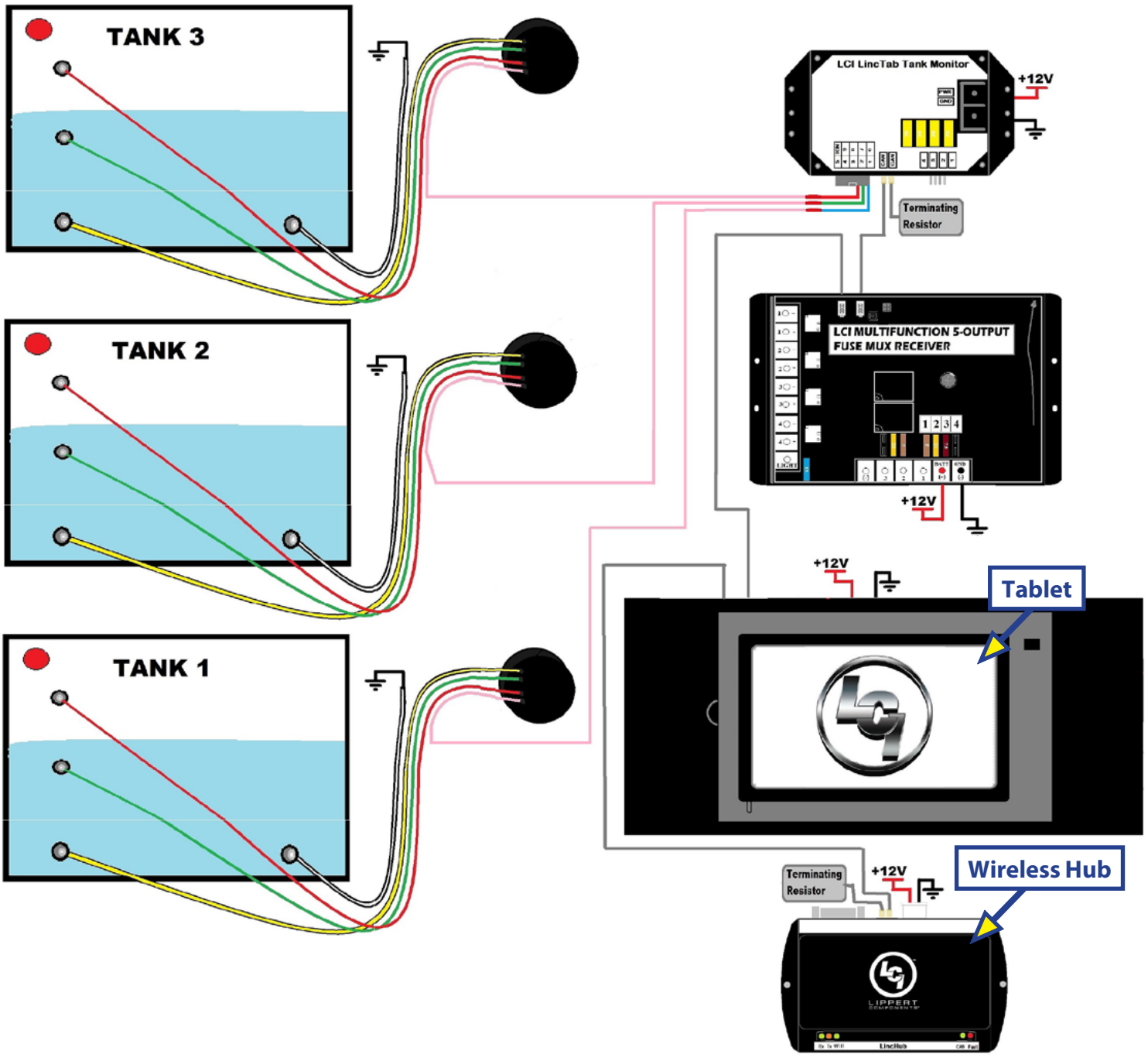
Fig. 6

Fig. 7



Wiring Diagram

Fig. 8



Notes

LIPPERT COMPONENTS™

Please recycle all obsolete materials.

For all concerns or questions, please contact
Lippert Components, Inc.
Ph: (574) 537-8900 | Web: lci1.com | Email: customerservice@lci1.com

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