



TM

INTELLI-VIEW TANK MONITOR INSTALLATION MANUAL

LIPPERT
COMPONENTS™

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System

Safety Information



The “WARNING” symbol above is a sign that an installation procedure has a safety risk involved and may cause death or serious injury if not performed safely and within the parameters set forth in this manual.

Always wear eye protection when performing an installation. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the service.

This manual provides general installation procedures. Many variables can change the circumstances of the installation, i.e., the degree of difficulty involved in the operation and the ability level of the individual performing the operation. This manual cannot begin to plot out procedures for every possibility, but will provide the general instructions for safely installing the system. In the event the skill level required is too advanced or the procedure too difficult, a certified technician should be consulted before performing the necessary service. Failure to correctly install the system may result in death, injury or voiding the warranty.

Intelli-view Tank Monitor Panel Installation

1. Remove the outer bezel from the monitor panel.
2. Attach the wire harness to the port on the back of the panel.
3. Cut an opening for the sensor and power wires to run through. Use the inside lip in the back of the panel for a template.
4. Mount tank monitor unit by screwing the panel in over the opening. Use screws long enough to penetrate the outer wall and into the framing beneath.
5. Connect the red power wire on the panel harness to DC 12V power source (Fig. 1).

Resistor Pack Installation

- White – Ground(-) connect to EMPTY (E) sensor
- Yellow – connect to LOW level (1/3) sensor
- Green – connect to MID level (2/3) 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. The tank sensor resistor pack connects to the tank sensor with an eyelet screwed down onto the sensor.

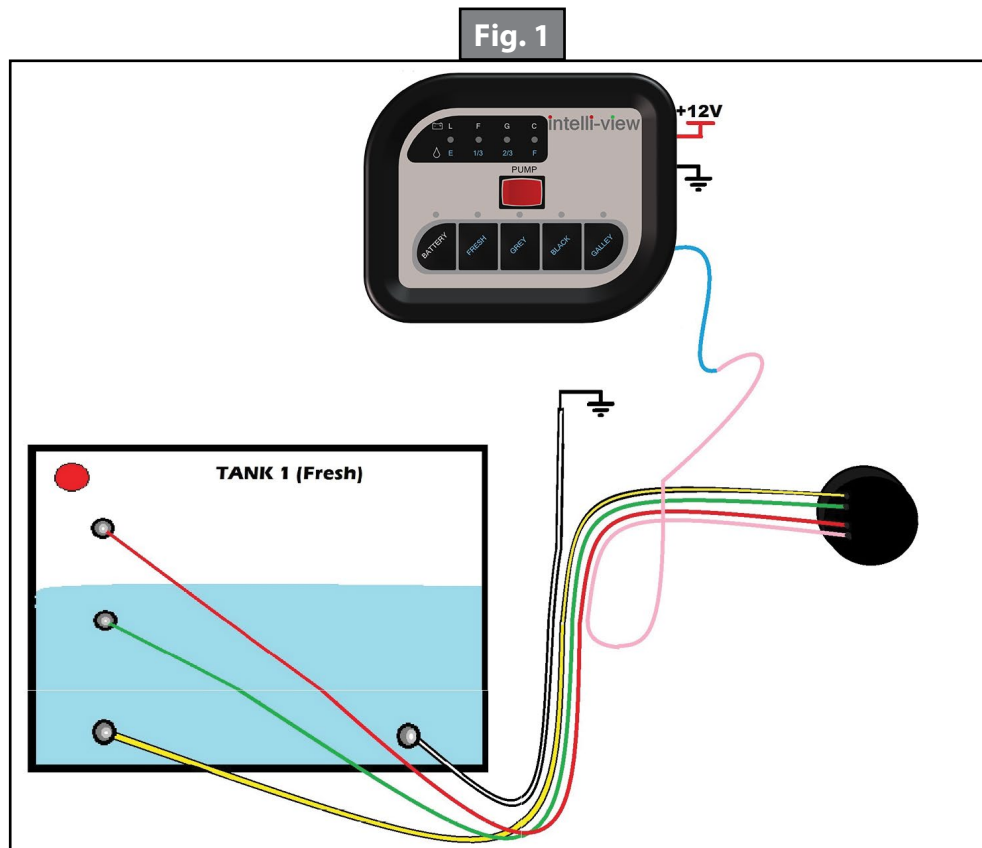


Fig. 2 - Three Tank With One Switch



Fig. 3 - Four Tank With One Switch

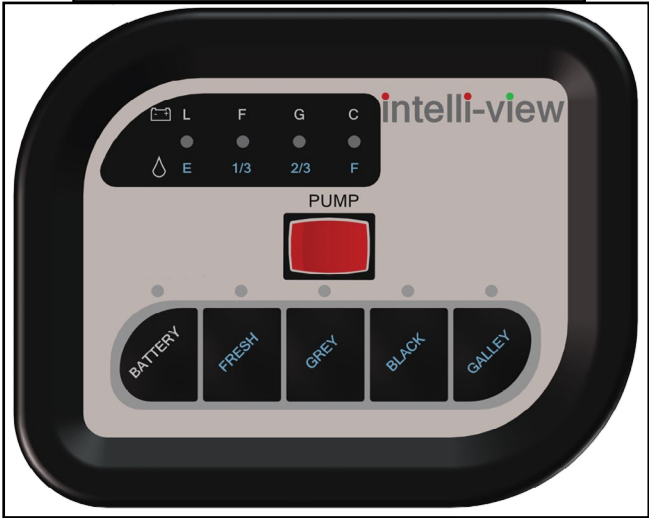


Fig. 4 - Three Tank With Two Switches



Fig. 5 -Four Tank with Two Switches



Fig. 6 -Three Tank with Three Switches



Fig. 7 - Four Tank with Three Switches



Fig. 8 - One Switch



Fig. 9 - Two Switch



Fig. 10 - Three Switch

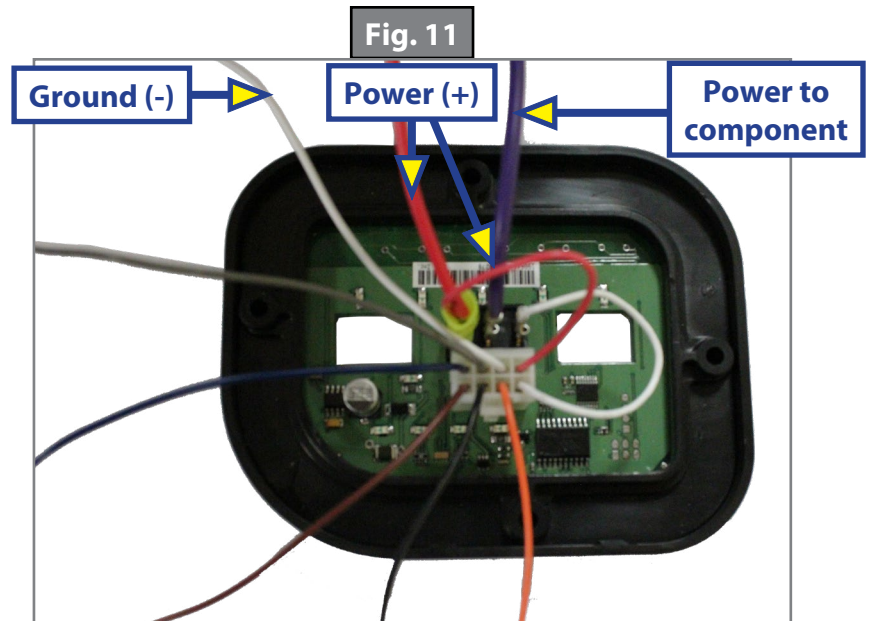


Panel Switches

Each switch has 3 spade connectors (Fig. 11):

- White (loop from harness): Ground (-) (Fig. 11)
- Purple (14 AWG): Power to component (Water Pump, Gas Water Heater, Electric Water Heater) (Fig. 11) (LCI supplies 1 wire per switch)
- Red (14 AWG): Power (+) (Fig. 11)

NOTE: If more than one switch is on the panel, LCI supplies ground and power wires for each additional switch to be connected to each of the other switches.

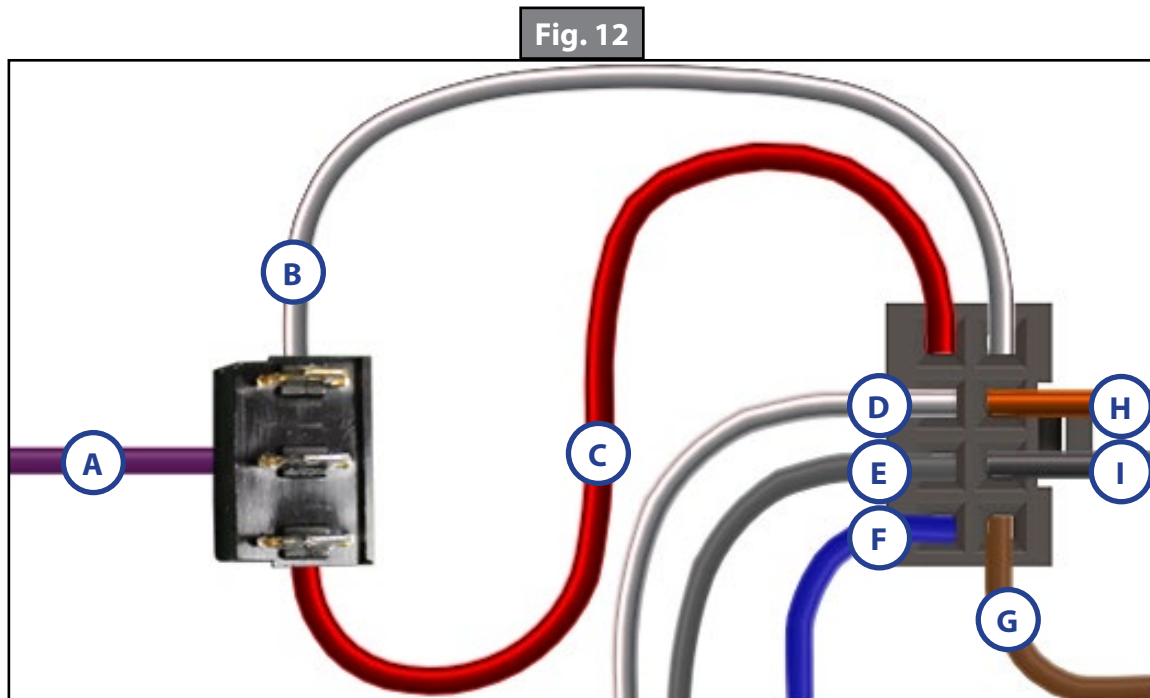


Wire Harness Color Code

NOTE: All wires on harness are 22 AWG.

- Purple: Component (Fig. 12A)
- White: Position 3 on the PUMP switch (Fig. 12B)
- Red: Power (+) and position 1 on the PUMP switch (Fig. 12C)
- White: Ground (-) (Fig. 12D)
- Grey: Grey Water Tank (Fig. 12E)
- Blue: Fresh Water Tank (Fig. 12F)
- Brown: Black Water Tank (Fig. 12G)
- Orange: Gas ignition DSI circuit on two and three switch models (not used on one switch models) (Fig. 12H)
- Black: Galley Tank (on 4 tank model only) (Fig. 12I)

NOTE: The white ground wire has a loop with an additional connector used for grounding the pump switch.

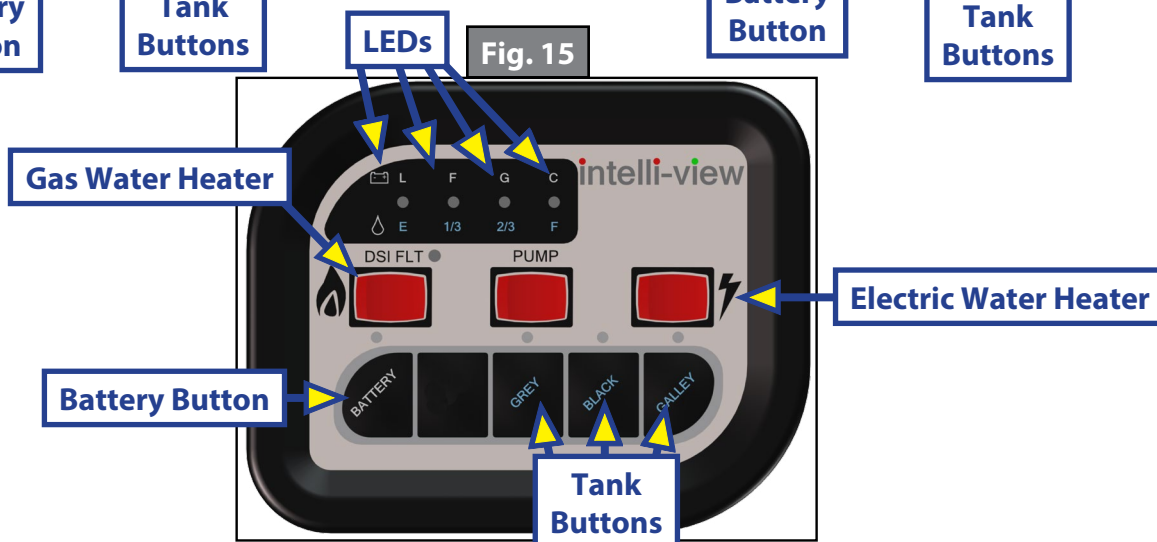
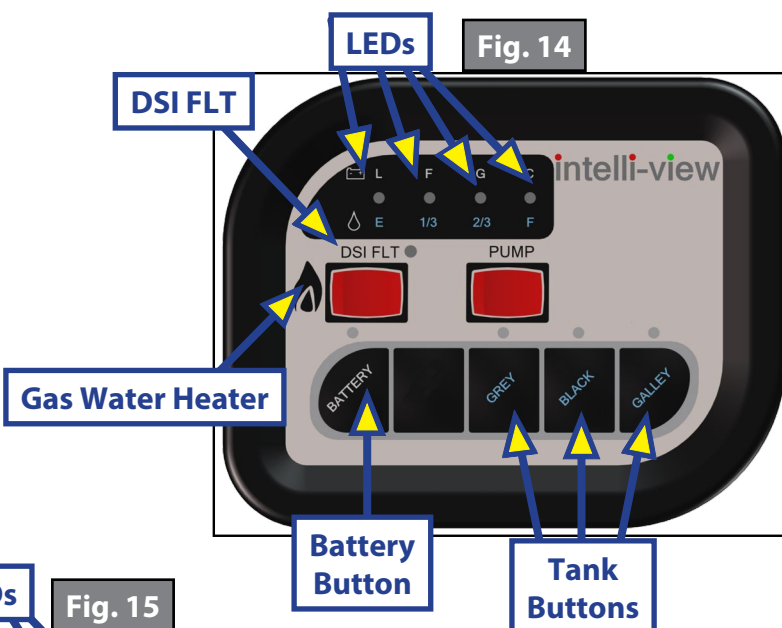
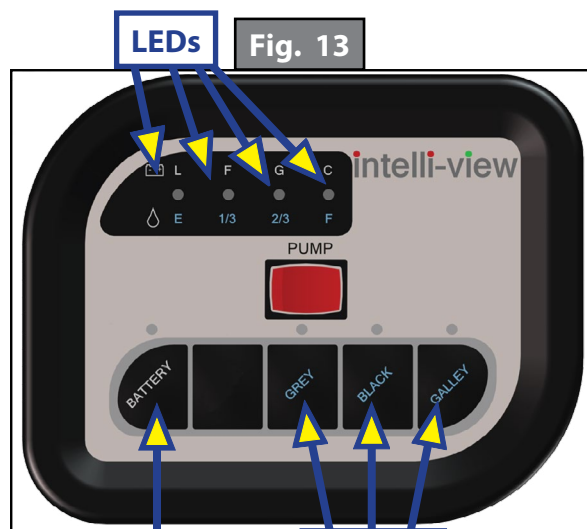


Intelli-view Tank Monitor Operation

1. When fresh, gray, black or galley tanks are full, the green LED light indicator will blink (Figs. 13-15).
2. To monitor the battery or any one tank for any period of time, press and hold the button until the green LED flashes (5 seconds), then release. To exit, press and hold the button until the green LED flashes (5 seconds) then release.
3. DSI Fault Light (Figs. 14 and 15): Only used on two switch and three switch models. Fault light will illuminate if gas water heater does not ignite after third try.

Tanks and Battery Charge

1. Pressing the respective tank buttons (Figs. 13-15) will display LED light indicators on the panel.
 - A. E - Empty
 - B. 1/3 - 1/3 full
 - C. 2/3 - 2/3 full
 - D. F - Tank is full
2. Pressing the battery button (Figs. 13-15) will display LED light indicators on the panel.
 - A. L - Low battery. Charge battery(ies) immediately. Loss of function imminent.
 - B. F - Fair battery. Battery charge low. Consider charging battery(ies).
 - C. G - Good battery. Battery charge in acceptable range.
 - D. C - Charged battery. Battery(ies) fully charged.





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