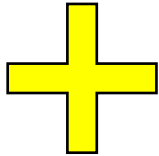


12/24v Hydraulic Boat Lift Controller with Integrated Solar Charge Regulator & 12v LED Output

12v or 24v Solar Charge Regulator



Wireless Hydraulic Boat Lift Controller



Simplify

KEY FEATURES

- One Model: 12v or 24v selectable operation Modes:
- Integrated 12v & 24v Solar Charge Regulator
- Digital LCD display for battery % & voltage.
- Visual function indicator lights
- Digital battery & solar connection status icons
- 12v LED output – (Stays 12v even in 24v operation)
- User adjustable Auto off Light timer
- Lake Lite Solar & LED wiring plug-n-play connections.
- Customizable sticker logo available with MOQ.



FOB CONTROL

- UP
- DN
- LIGHT
- LOCK

PANEL CONTROL

- BATTERY INFO
- SYNC FOB
- LIGHT
- UP
- DN

Controller Features

Battery Icon

Indicates battery is connected

Solar Icon

Indicates solar panel is charging:
NOTE: will not display at nighttime

Battery Info Display:

% Percentage
V Voltage

SYNC

Short Press = Sync New Fobs
Long Press = Delete all Fobs

UP Button

Press to Lift Boat

DN Button

Press to Lower Boat

BATTERY

Press to display Battery info

12v LED LIGHT

Indicates when 12v LED output is ON

DN VALVE LIGHT

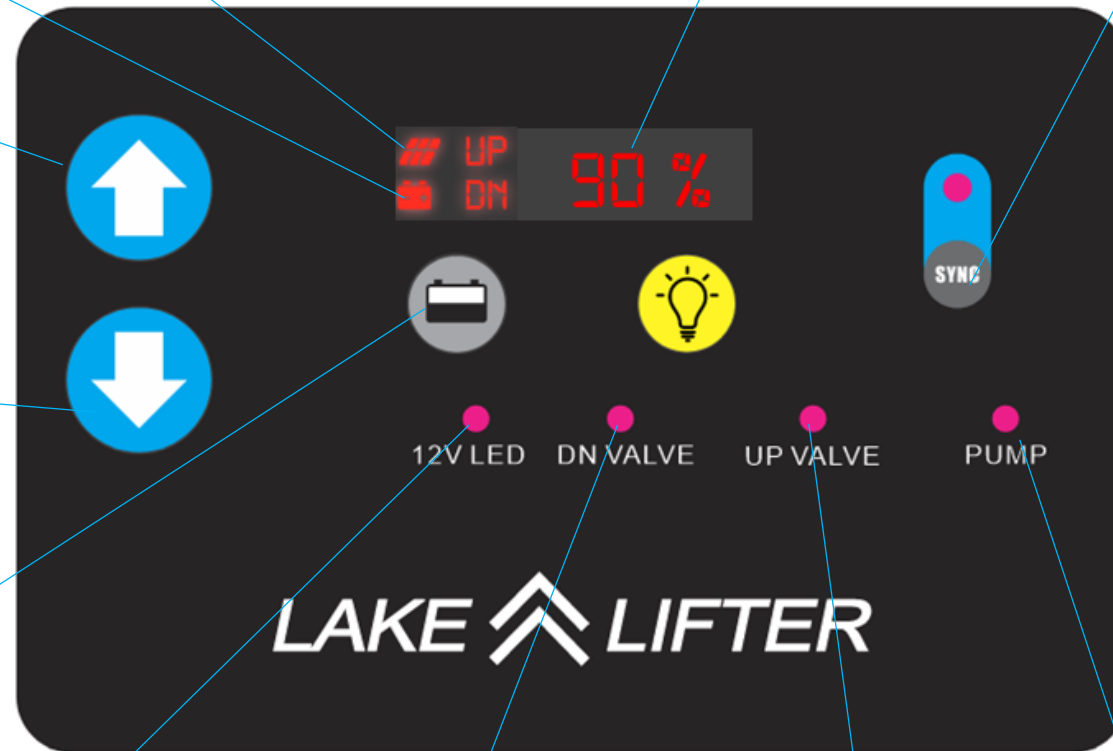
Indicates when 12v output is applied to DN Valve

UP VALVE LIGHT

Indicates when 12v output is applied to UP Valve

PUMP LIGHT

Indicates when 12v output is applied to Pump Solenoid



Button Function & Programming



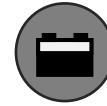
UP = PUMP & UP Valve are activated to raise the boat lift.
(Note some configurations do not use UP valve wire)



DN = PUMP & DN valve are activated to lower the boat lift.



LIGHT : Turns on 12v LED light output: Default auto off timer is set to 15:00mins. To adjust light Auto-Off timer **HOLD** light button until time is displayed and press light button to add time up to 1 hour in 5 min increments.



BAT: Displays Battery % Level & Voltage



FOB SYNC: To sync a new key fob press sync button then press any button on the key fob. To un-sync all key fobs hold the SYNC button for 10 seconds

Selecting 12v or 24v Modes

CHANGING VOLTAGE MODES:

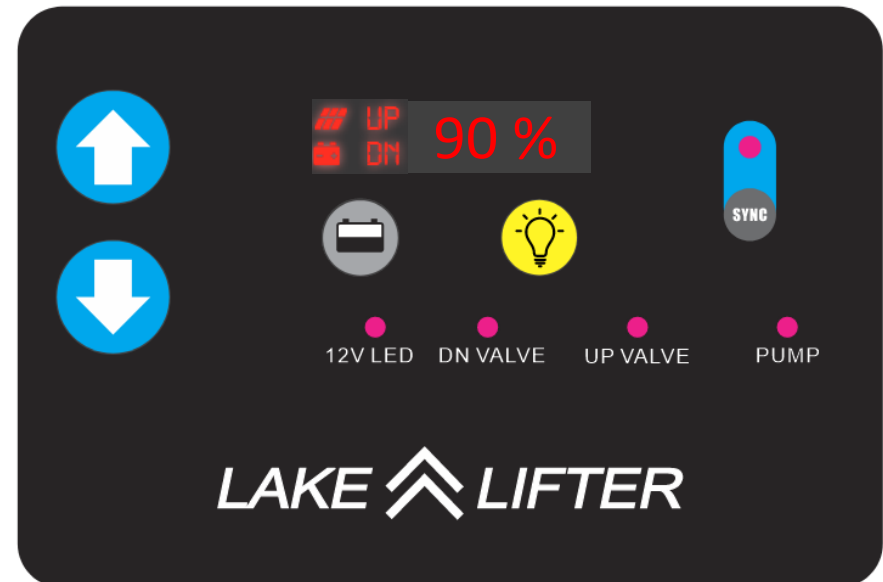
- Before connecting to Power, **HOLD** the BAT. Button down then connect the controller to the battery source. After power is connected let go of the BAT. button. The voltage mode will change & be displayed. To Change again repeat above process.
- IMPORTANT**: Ensure controller is in the correct voltage mode so that it charges the battery or batteries correctly.

WARNING: Operating in the wrong voltage mode will not damage the pump. However the Solar Regulator will NOT charge correctly and battery or batteries may over discharged or overcharged.

- Example: Controller is in 12v Mode, & connected to a 24v battery. The controller will always display 100% battery level and the solar panel will NOT charge the batteries fully.
- Example: Controller is in 24v Mode, & connected to a 12v battery. The controller will always display low % battery level and the solar panel will **OVERCHARGE** the battery.

IMPORTANT:

- 12v Mode: Must be paired with a 12v battery & Lake Lite 12v Solar Charging Panel
- 24v Mode: Must be paired with 24v Battery & Lake Lite 24v Solar Charging Panel



Quick View



SOLAR PANEL INPUT

* Compatible with 12v or 24v Charging LAKE LITE or LAKE LIFTER Solar panels only!

12v LED/Aux Output

12v 3A LED output with Auto Off timer protection

Wire Connections

Red : Battery (+)

Black: Battery (-)

Blue: Solenoid (+)

Yellow: DN Valve (+)

White: UP Valve (+) "if used"

Solar Panel & LED Connections



12v LED Light



LAKE LITE
12v or 24v Solar Panel
(depending on 12v or 24v Pump)

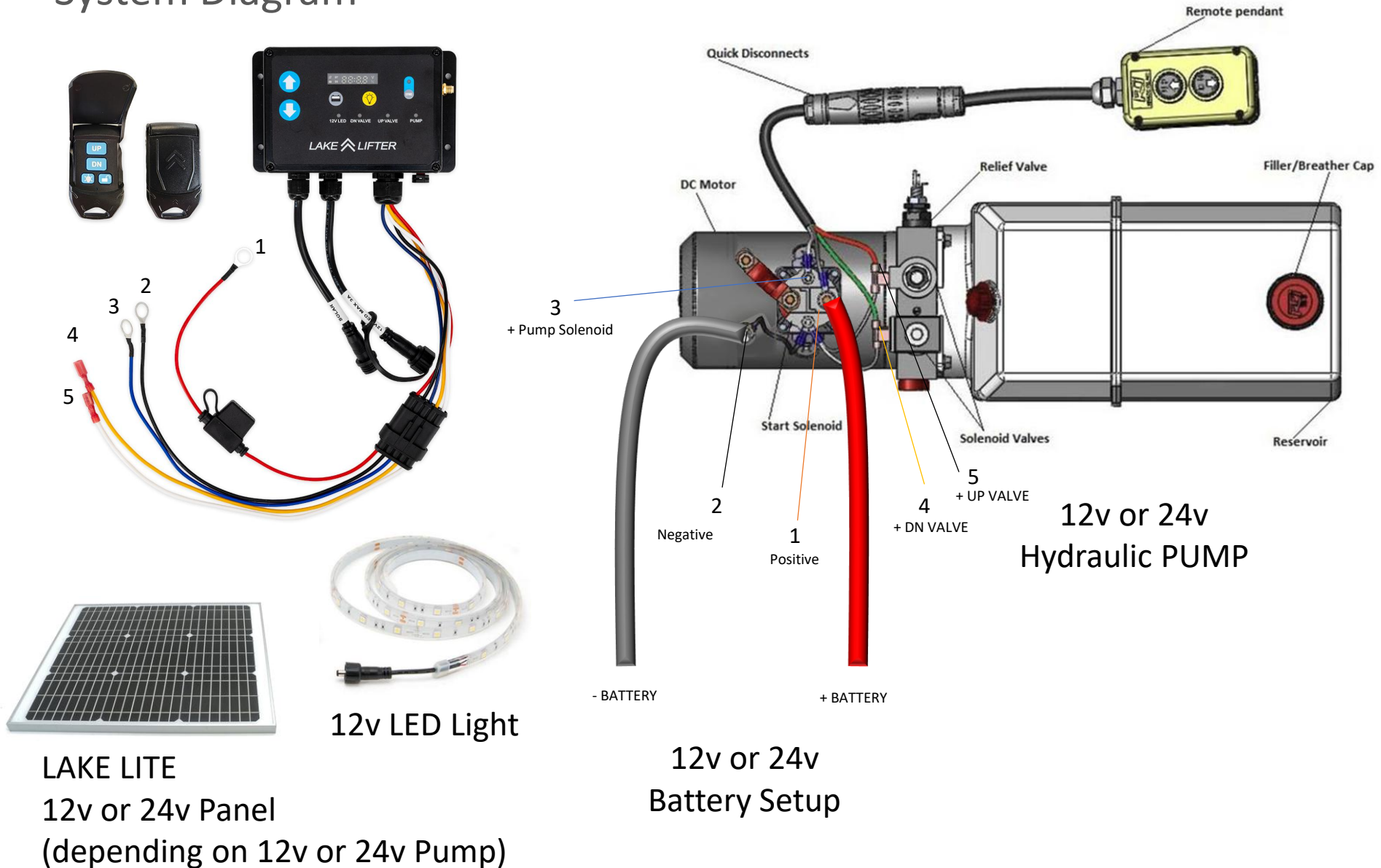


HD Extension Wire



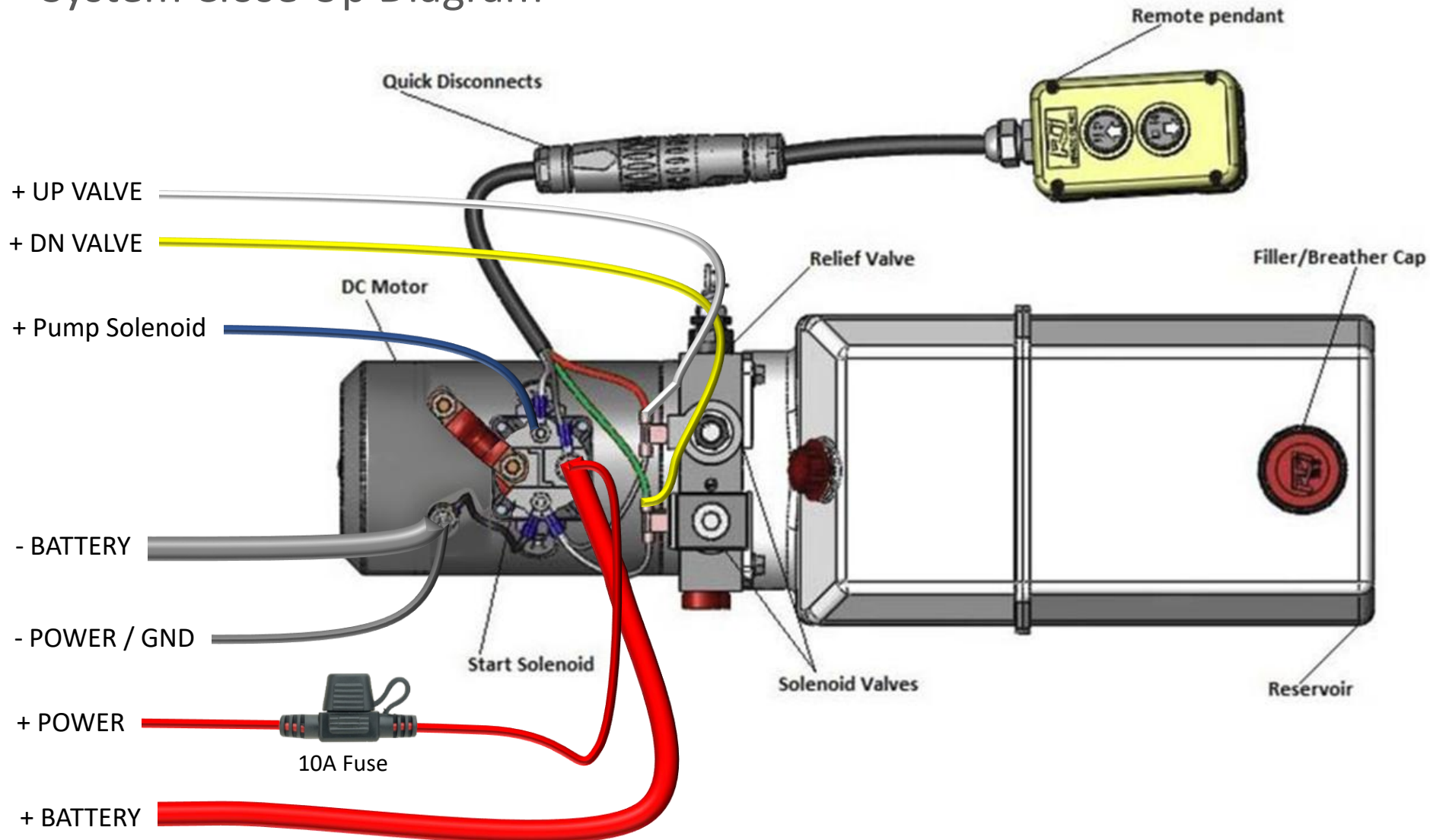
2-Valve Directional Pump Connections

System Diagram



2-Valve Directional Pump Connections

System Close Up Diagram



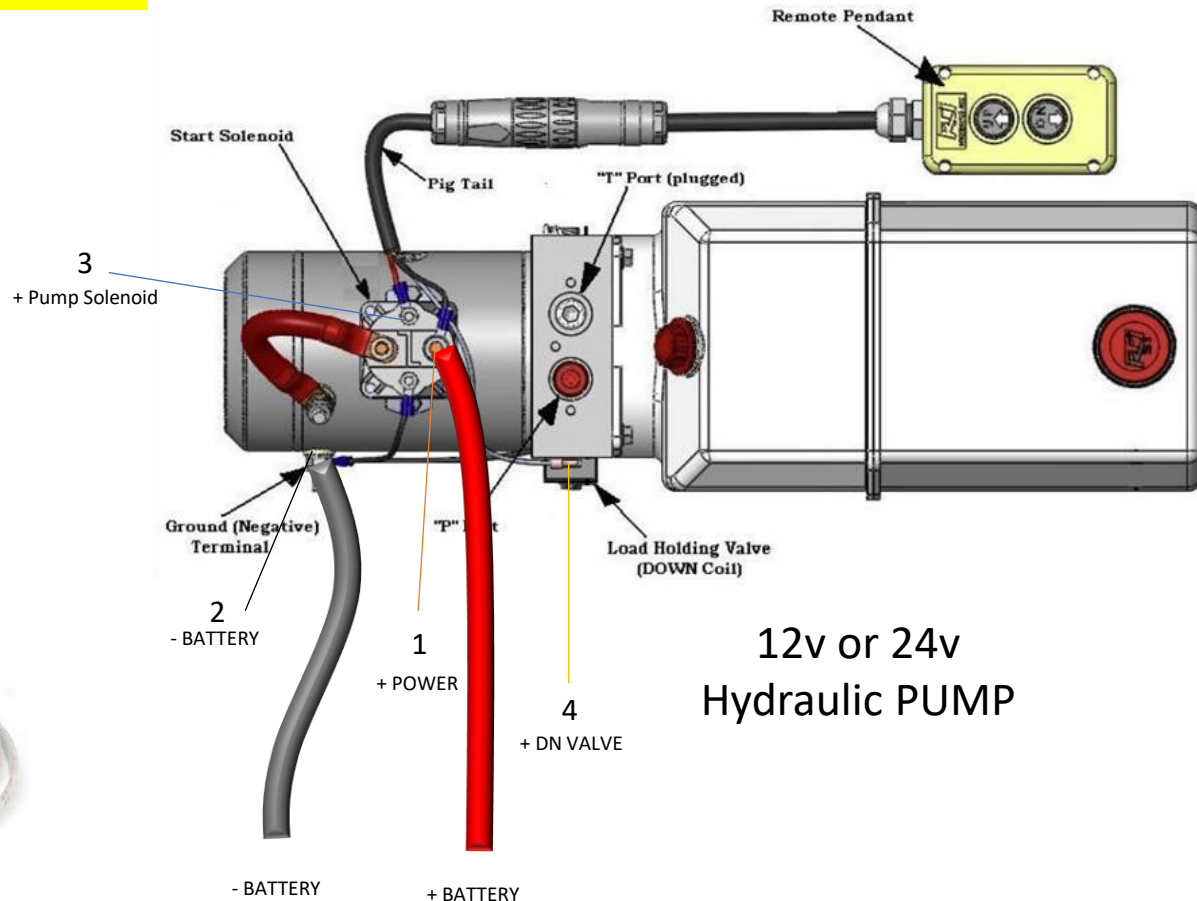
Spring Loaded 1-Valve Pump Connections

NOTE: PUMP and Solenoid needs to be wired for (+) positive switching



12v LED Light

LAKE LITE
12v or 24v Panel
(depending on 12v or 24v Pump)



12v or 24v
Battery Setup

Spring Loaded 1-Valve Pump Connections

NOTE: PUMP and Solenoid needs to be wired for (+) positive switching

