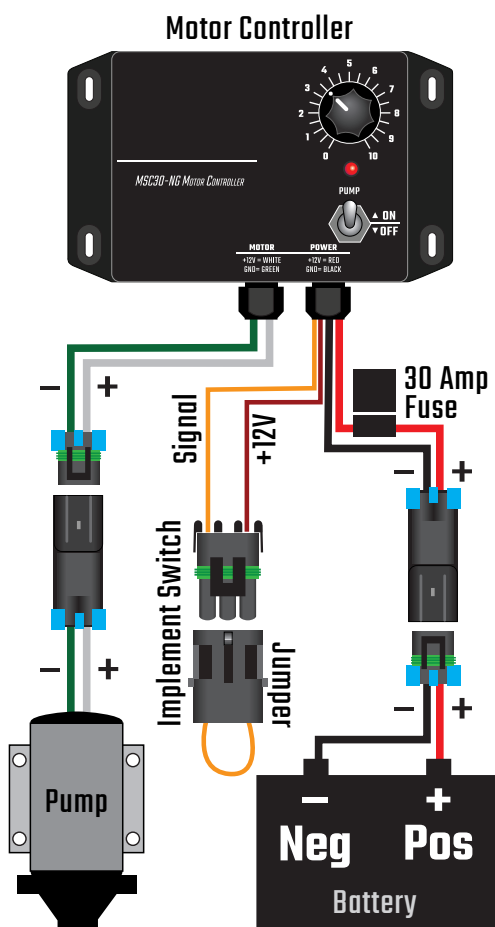


NON-GAUGE CONTROLLER

12V MOTOR CONTROL UNIT

MSC30-NG Motor Controller Wiring Diagram



INSTALLATION & SETUP INSTRUCTION

- Mount the motor control unit in a location that the power switch can be accessed and the digital display can be seen.
- Connect wiring using description from below:

A) Connect 2 pin Metri-Pack connector with the **RED** and **BLACK** leads to the battery:

NOTE: When extending wires use 12GA wire or recommended power cables from your dealer.

NOTE: Do not power the unit from a battery charger.

NOTE: Do not hook to power strips or convenience plugs.

Wiring Color Code to **Battery**:

12 gauge Red = 12V

12 gauge Black = Ground

**** Ground must be hooked up to BATTERY, NOT to the frame ****

B) Connect 2 pin Metri-Pack connector with the **WHITE** and **GREEN** leads to the 12V motor:

NOTE: When extending wires use 12GA wire or recommended power cables from your dealer.

Wiring Color Code to **Motor**:

12 gauge White = 12V

12 gauge Green = Ground

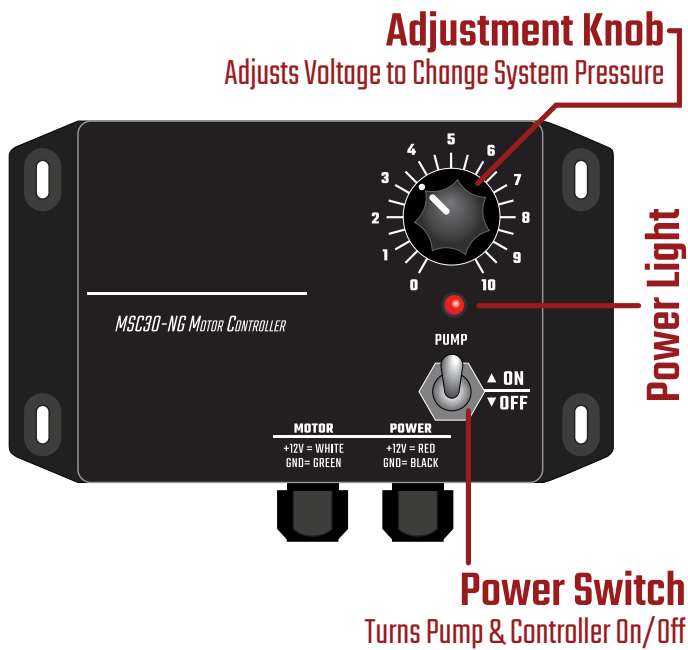
**** Ground wire on the pump must be hooked up to the Ground wire from the controller, NOT to the frame ****

- Optional power cables and extension cables are available.

C) Connect the implement switch.

- Disconnect the jumper plug and connect the 3-pin Weather-Pack connector to your implement switch.
- The **red** wire is positive 12V output and the **orange** wire is the master or signal wire.
- Optional remote style switches are available.

NOTE: If you are not using a remote switch, use the supplied jumper.



Operation of the Motor Control

When it is time to check or test your motor control:

- Turn ON the power switch to the motor control. The Red light will light up only if the implement switch wires are plugged together or the implement switch is in the on position. This indicates it has correct power.
- If a remote switch is being used, make sure that it is activated or on.
- The Red light above the power switch will light when power is being supplied to the pump.
- Turn the adjustment knob until desired pressure is reached.

Trouble Shooting

If the unit does not turn on:

- Check if the implement switch jumper is in place. If using an implement switch, make sure it is activated.
- Check wiring for bad connections.
- Check wiring for correct polarity of battery connections.
- Check 30 AMP Fuse.

Note: If power wires are reversed to the battery it will not damage the control unit or the motor. It will blow the 30 AMP fuse if not hooked up correctly.

Note: If the White and Green wires (Pump wires) are connected to the battery the motor control unit **WILL BE DAMAGED**.

If the pump will not run:

- Check if the red light is on above the power switch. If it is not, the remote switch is not activated.
- Check the remote switch.
- Check wiring for bad connections.
- If remote switch is not being used, make sure the jumper is in place and properly connected.