



Nitrous Pressure Gauge and Bottle Heater Controller

Part # 15531 (new style)

There are two display modes, normal mode, and programming mode.

Normal mode:

The display will show the current pressure reading from the pressure sensor.

When the bottle heater control is armed, it will turn the heater relay on when below the target pressure and off when above. There is a 5 psi buffer zone below the target pressure to prevent rapid fluctuations of the heater relay. The heater is turned off once the target pressure is met, and will not come back on until 5 psi below target.

The rightmost decimal point is on when the bottle heater is armed.

The right button will arm the bottle heater and briefly display the target pressure. The heater is off as a default.

The left button will disarm the bottle heater.

A blue LED above the numeric display is on when the heater is receiving power.

Programming mode:

If you press and hold both buttons for 3 seconds the unit will enter programming mode.

While in programming mode, the display will flash the target pressure on and off, and the bottle heater will turn off.

A quick press of the left button will lower the target pressure one psi.

A quick press of the right button will raise the target pressure one psi.

Holding either button down will change the target pressure increasingly faster.

If you press and hold both buttons for 3 seconds the unit will exit the programming mode, stop flashing, and display current pressure (back to normal mode).

Wiring:

Red wire: +12V

Black wire: Ground

Pink Wire: Output to ground side of heater relay coil. - **connect to white wire of relay harness**

Purple: Dimmer wire (12V dims display)

Yellow: Input from pressure sensor 0.5V – 4.5V - **connect to white wire of sensor harness**

Orange: 5V power to sensor - **connect to the red wire of sensor harness**

Green: Ground to sensor - **connect to black wire of sensor harness**

Wiring Diagram:

