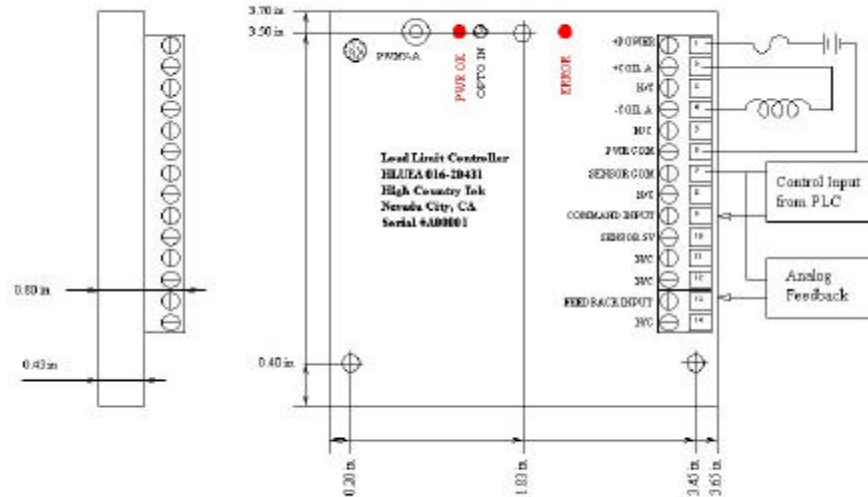


High Country Tek HL PSI Controller User's Guide

Wiring and Mounting Diagram 016-20431 Unit



Wiring:

- ?? Hook up unit per above diagram, using the desired feedback and control inputs.
- ?? Use 16 AWG wire for power and coil wiring. Use shrouded coil connectors.
- ?? The fuse should be located as close to the power supply as possible. This will protect the wiring and the controller.
- ?? Use **only** an AGC-5 fuse. **Failure to use a fuse invalidates the warranty.**

Set up Procedure:

- ?? This device is a closed loop controller. The current output will be set to the valve required to make the feedback input from the system match the target value that is derived from the setpoint input.
- ?? The current output controls one or two valves that controls how the system runs.
- ?? The feedback input tells the controller what the system is doing.
- ?? The unit is calibrated by use of an OPTOLINK adapter and a PC. This allows the user to set up the unit with a user-friendly screen running under Windows. All inputs, outputs and constant values are displayed on the screen. The following set up will be done from the PC.
- ?? The user can set up the "loss of signal" limits for the setpoint and feedback inputs. These values tell the controller that an input has gone out of the acceptable operating range. Loss of signal causes the controller to go to the loss of signal PWM setting, which is intended to be a safe value for system operation.
- ?? The user must calibrate the desired relationship between the setpoint input and the feedback input. This is done via the CAL button on the computer screen.

Control Input:

- ?? **Command Input** (control input): This is a 0 Vdc to +5 Vdc signal. The signal voltage represents the desired pressure in KPa.