



What would be some important characteristics of Pressure Transducers in BAS (Building Automation System) design? The scenario below outlines the importance of incorporating flexibility into a product of this nature.

Hospitals require pressure transducers to monitor and control room pressures for two separate applications. The examples below diagram Greystone's NEW LP1 Series low-pressure transducers.

The first application is a sick room. In dealing with this room you require a very slight negative pressure inside the room (**figure 1**). This is due to the fact it matters little that clean air is getting into this area. What would present a legitimate problem would be if the contamination escaped into the hospital.

The second application is a laboratory within the hospital (**figure 2**). Here you want to have a positive pressure (opposite of the previous example). This condition is necessary since it doesn't pose a problem to have the sterile air escaping. However, if you have air from the hospital contaminating the laboratory, this could become a serious problem.

The LP1 Series offered by Greystone can be used for these applications, just to name a couple. The versatility of this product with the jumper selectable ranges, outputs, mounting options and power supplies make this unit suitable for many different low-pressure applications for the Commercial Building Controls Industry.

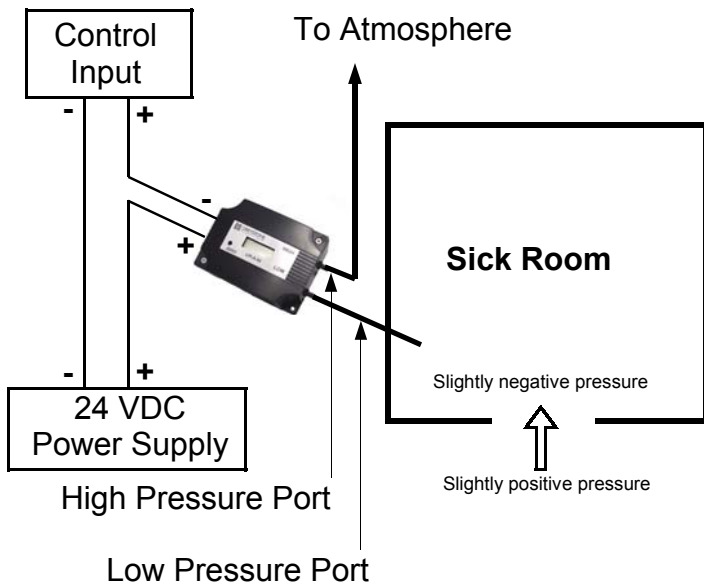


figure 1

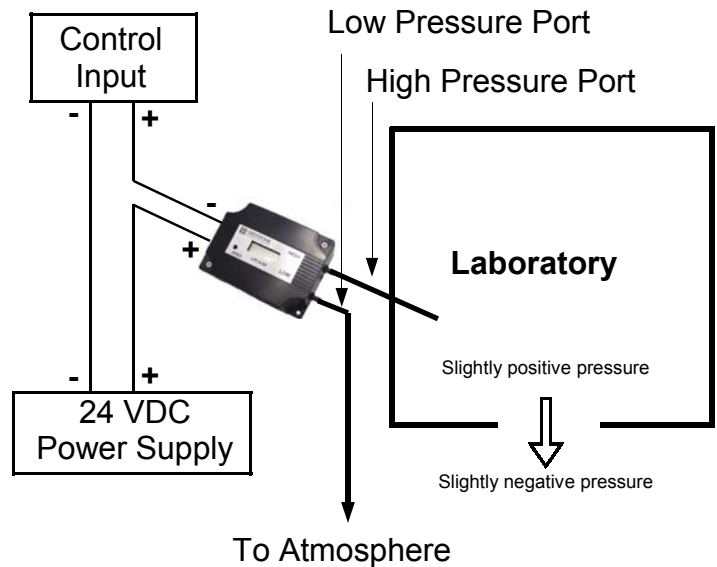


figure 2

Note: For simplicity of diagramming, the above examples are shown using a 2-wire 24 VDC power supply. All LP1 units have jumper selectable power supply options and outputs.