

General operating guidelines:

1. Hold down any button to enter the menu system.
2. Use the up & down arrow buttons to navigate to the desired menu item. The selected menu item will be highlighted in yellow.
3. Once you have navigated to the desired menu, use the right arrow button to enter the menu.
4. If no button has been pressed for a couple of minutes, the menu system will be exited and the screen will return to its normal display mode.
5. The left arrow key will exit the currently selected menu item. Pressing the left arrow key several times will exit the menu system entirely.
6. There are 3 display pages, each with a top and bottom display. These pages are accessed, when not in menu, by pressing the arrow keys.

Normally open or normally closed ?:

1. If an output is set for normally open, then that output will turn on when the value assigned to that output is above the setpoint.
2. If an output is set for normally closed, then that output will turn on when the value assigned to that output is below the setpoint.

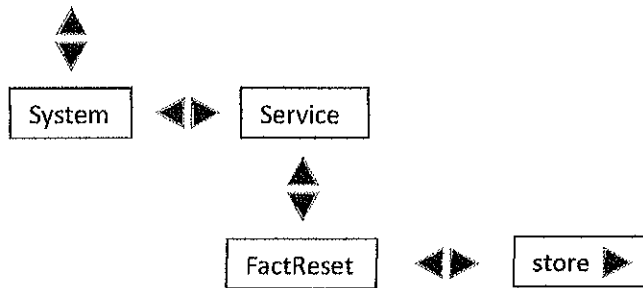
For example, if Q1 (pressure output) is set for normally open, then Q1 will be on when the current pressure is greater than the setpoint, and Q1 will be off when the current pressure is below the setpoint. Conversely, if Q1 (pressure output) is set for normally closed, then Q1 will be off when the current pressure is greater than the setpoint, and Q1 will be on when the current pressure is below the setpoint.

PNP, NPN, or DRV ?:

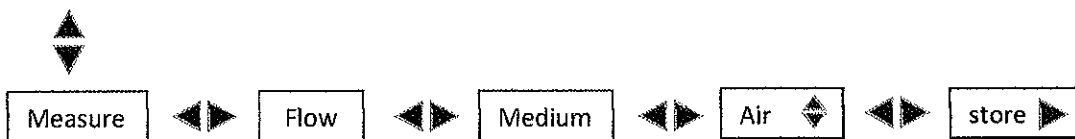
1. If a digital output, Q1 or Q2 is set for PNP, then when that output is on, 24 VDC will be on the black wire for Q1, or the gray wire for Q2. Use this setting when the common of the customer's input card is wired to 0 VDC.
2. If a digital output, Q1 or Q2 is set for NPN, then when that output is on, 0 VDC will be on the black wire for Q1, or the gray wire for Q2. Use this setting when the common of the customer's input card is wired to 24 VDC.
3. If a digital output, Q1 or Q2 is set for DRV (push-pull), then when that output is on, 0 VDC will be on the black wire for Q1, or the gray wire for Q2. When that output is off, 24 VDC will be on the black wire for Q1, or the gray wire for Q2. This setting can be used for any DC input card, regardless of whether it is wired sinking or sourcing. You may have to change the polarity of the signal, normally open or normally closed, described above.

Resetting to Factory Defaults:

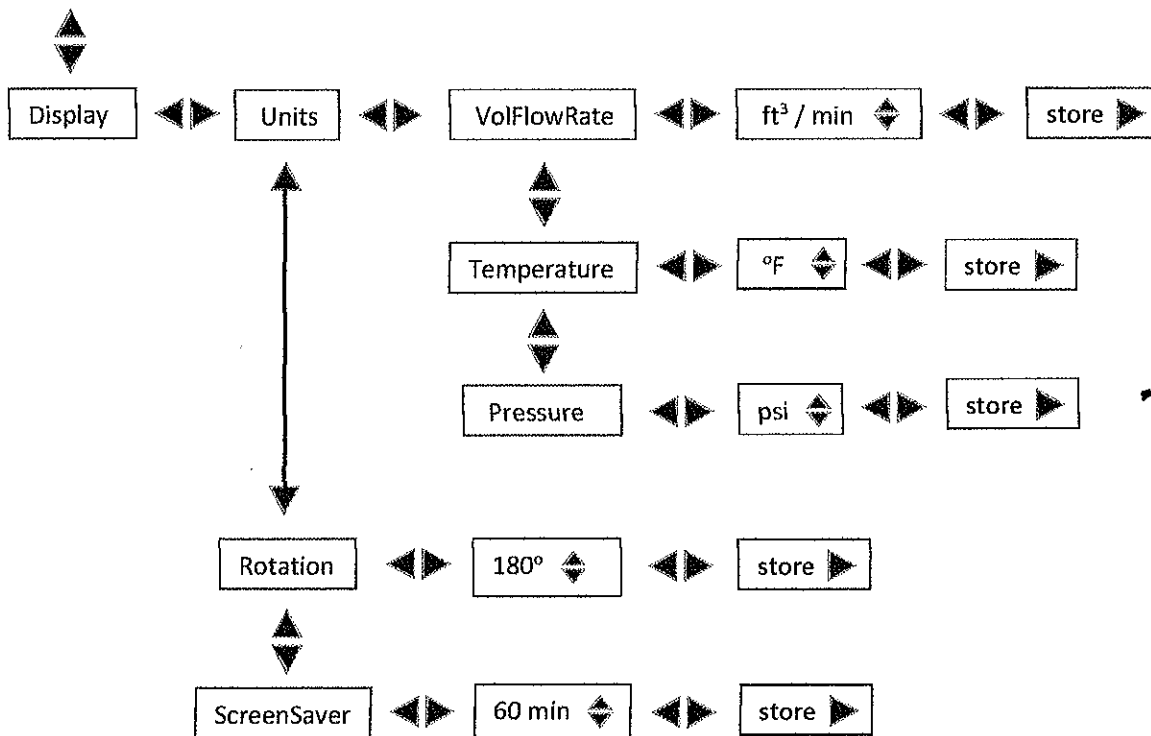
(This will clear all settings, useful if you want to “start over”)



Set flow medium to “Air”:



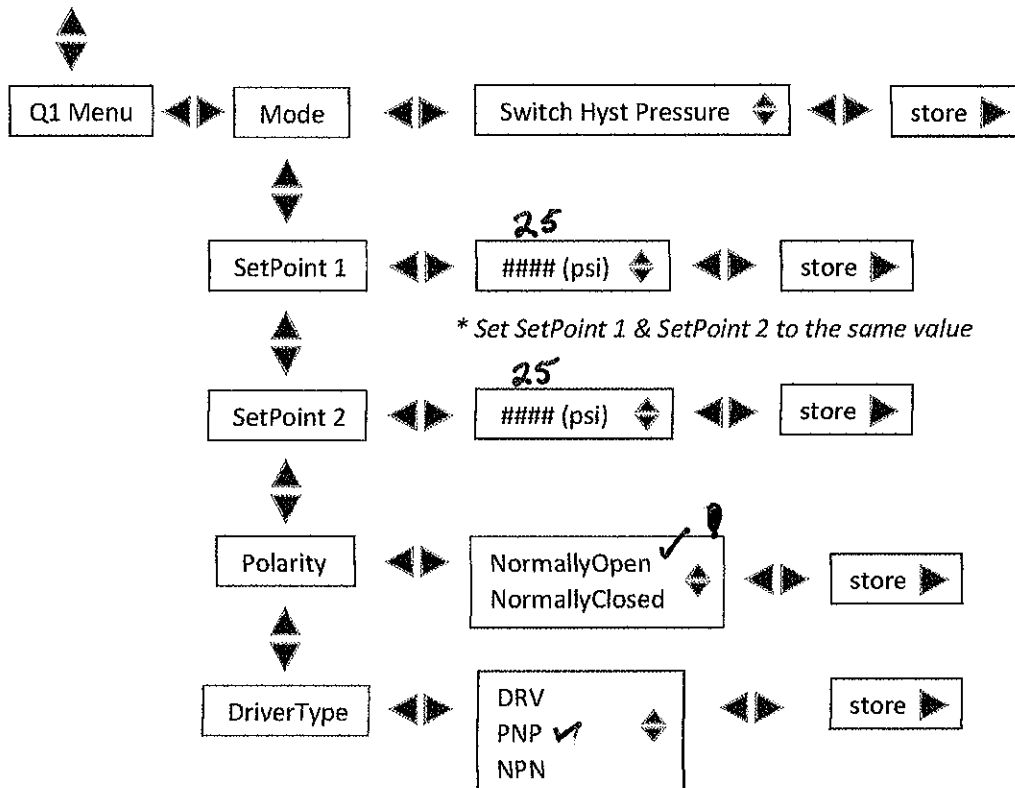
Setting units & Display:



Setting Q1, Pressure Output:

(Q1 is a transistor output that will turn on/off with the pressure)

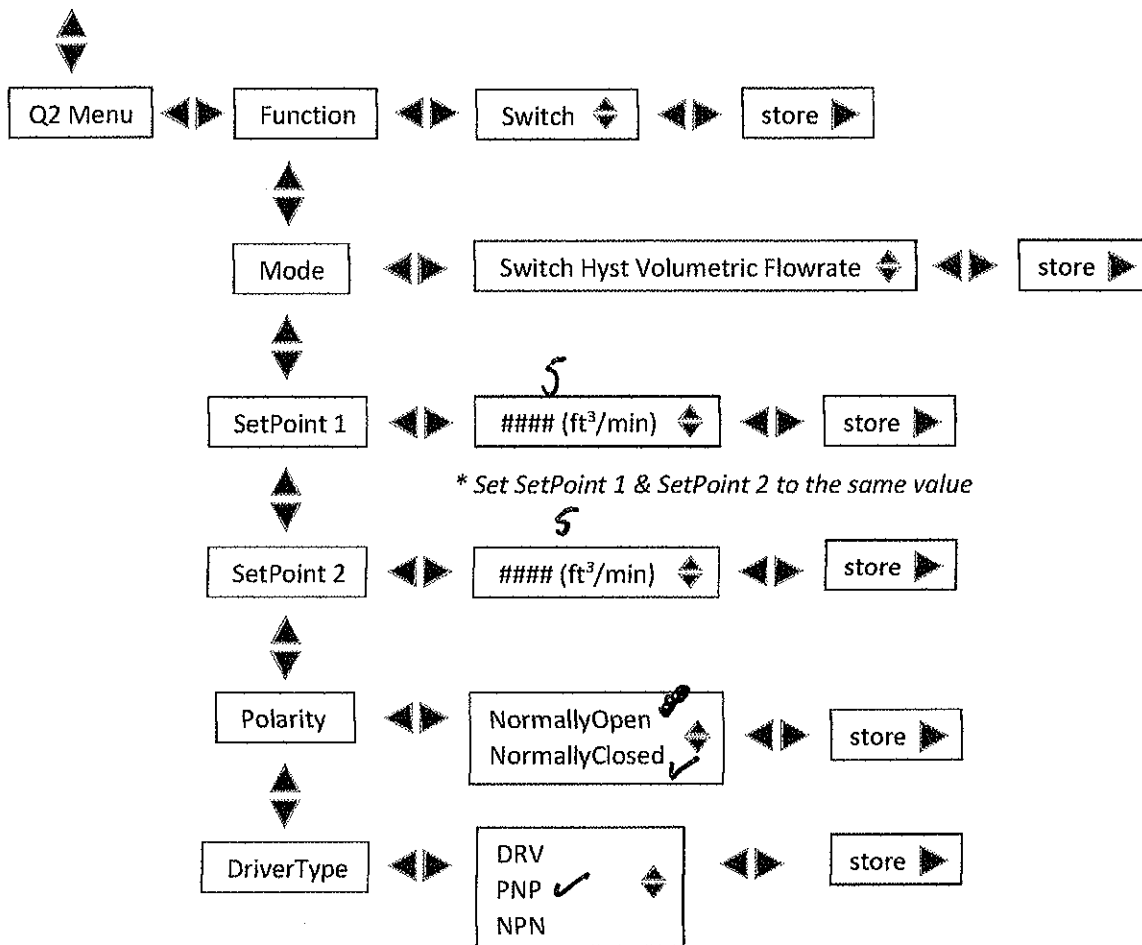
* Set both SetPoint 1 & SetPoint 2 to the same value.

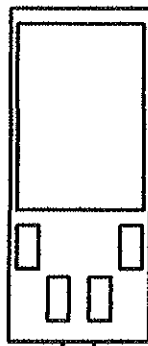


Setting Q2, Flow Output:

(Q2 is a transistor output that will turn on/off with the flow)

* Set both SetPoint 1 & SetPoint 2 to the same value.



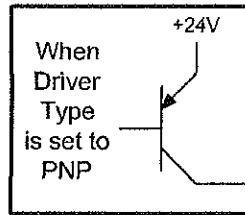


Aventics
8652AVBP4JA000N

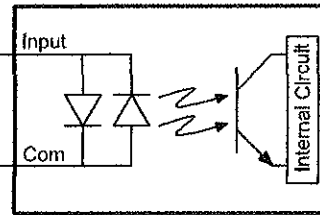
R419800110 cable

Pin	Color	Signal	Description
1	Brown	L+	Supply Voltage (+24 VDC)
2	White	QA	Analog Output (Not Used)
3	Blue	M	DC Ground
4	Black	Q1	Digital Output 1 (Pressure)
5	Gray	Q2	Digital Output 2 (Flow)

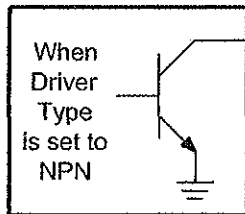
Aventics Output Circuit



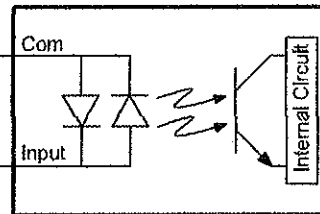
PLC Input Circuit (Typical)



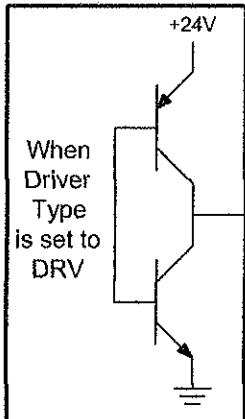
Aventics Output Circuit



PLC Input Circuit (Typical)



Aventics Output Circuit



PLC Input Circuit (Typical)

