Remote Access for Your
PressureFlowEnergy (PFE) Controller!

Connect Live to the PFE Deluxe Control Panel and read live, real time data!! See your plant's compressed air system live on your smart phone, tablet or computer:

- **Air pressure live real time**
- **SCFM consumption live real time[1]**
- **Dew point live real time[1]**

This real time live data! No need to refresh. Connect to your plant's network and view live, real time data, all displayed data on PFE Deluxe Control Panel[2].

Connect with smart phones, tablets and computers, this is real time data of your compressed air system!

Select one user to have two way communication (Password protected) with PFE Deluxe Controller and this person can change pressure set points remotely.

1) When optional Flow Meter and optional Dew Point meter have been purchased.
2) Requires wireless access point.

Atlas Air and Water PFE Deluxe Controller

Single loop controller 4-20 mA and output, 4 relays in a UL 508 NEMA 4 enclosure. PFE records up to 12 inputs (4 I/O's standard) every minute with rolling memory. Example: PFE Deluxe panel will record air pressure, CFM flow with flow meter (added optional) and dew point with dew point meter (added optional) every minute for 30 plus days of rolling memory!

The recorded data can be illustrated graphically on PFE panel, out put to thumb drive or exported via ethernet. The Deluxe panel is programmable allowing for different discharge pressure settings by day of week or time of day. Thus if plant shuts down for week end or night shift and the air compressors remain active, the discharge air pressure for this non-production time frame will automatically change to much lower air pressure resulting in greatly reduced air consumption in the plant air net.

Reduced air consumption means reduced compressor KW. Plant air pressure is automatically increased/restored to desired plant operating pressure at desired time and day.

• Deluxe Controller Features

- Microprocessor with PID control for rapid response and precise control.
- Deluxe panel is programmable for different air pressure settings/time of day/day of week.
- Controller continuously monitors downstream pressure.
- Rugged ball type control valve eliminates need for in-line check valves and filtration.
- Loss of pressure and loss of power result in fail open valve position.
- The recorded data can be illustrated graphically on PFE panel, out put to thumb drive or exported via ethernet.

• Optional Flow Meter

Diameter	Flow Range
2 inch	35-600 CFM
3 inch	70-1200 CFM
4 inch	200-2000 CFM
6 inch	500-5000 CFM
8 inch	500-5000 CFM

Flow Meter Display (shipped loose)

Options include flow meter with display and input to flow control valve controller. Flow meter is shipped loose.

- For each size flowmeter you should have a 6-foot straight length of steel pipe of the diameter of the pipe into which the flowmeter is installed.
- All flowmeters have a digital readout and have a 4-20ma output.
- All flowmeters install easily by drilling two small holes in the pipe line and clamping the instrument in place. A drill guide is included.

Optional Dew Point Meter

Digital Dew Point Monitors combine the proven characteristics of long-term stability and rugged design with a far wider operating range. The operating parameters have been expanded to cover applications where measurement of low moisture content is critical to process measurement. This list includes (but is certainly not limited to) industrial and manufacturing processes found in food, metal, paper/wood, pharmaceutical, plastics, oil and gas, petrochem, and other markets. Stable and reliable polymer sensors have been used for relative humidity measurement for decades. Their drawback has been that they were not accurate in very low dew point ranges - until now.

Dew Point Meter (shipped loose)

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