Digital Panel Components and Capabilities

The following information summarizes the important features and capabilities of the Digital Panels manufactured by System Studies Incorporated. Additional information about this central office air distribution and monitoring equipment can be obtained by contacting System Studies at (800) 247-8255 or the System Studies Field Engineer in your area.

Digital Central Office Pipe Alarm Panels

Features:
- Digital LED display of both pressure and flow output
- Integrated "smart" alarm (built-in adjustable contact alarms for both high flow and low pressure)
- High resolution monitoring of delivery pressure and total air flow consumption (both remotely and via LED display)
- Optional flow reading verification with Flow Gauge
- Optimal component layout and plumbing

Advantages:
- Digital PSI and flow readings reduce gauge reading errors
- Eliminates need for portable pressure and flow measurement tools
- Flow reading in SCFH, not SCFD
- Flow measurement from 0 to 190 SCFH in 1.0 SCFH increments
- Pressure measurement from 0 to 30 PSI in 0.1 PSI increments
- Contact alarms can be manually set for high flow and low pressure
- Alarm level setup can be verified and adjusted at panel

Digital Display:
- Flow rate in SCFH (up to 190.0 SCFH)
- Delivery pressure (up to 30.0 PSI)
- Blinks when in alarm (high flow / low pressure)
- Push button displays alarm level settings
- Push button control for pressure transducer altitude adjustment
- Push button alarm acknowledgement

Digital Dual Pipe Alarm Panel

Components:
- Digital displays and alarm setting controls for two CA3131 air pipes
- Individual output and monitoring control
- Flow Finders installed for accurate flow measurement
- High Resolution Dual (Pressure/Flow) Transducers
- Individual pipe output regulators
- Pipe shutoff valves

Digital Distribution Panel

Components:
- Digital displays of total air consumption and delivery pressure
- High Resolution Dual (Pressure/Flow) Transducer
- Individual Flow Finders installed for accurate cable flow measurement
- Cable flow rates read with portable flow gauge
- Panel delivery pressure regulator
- Panel shutoff valve

Digital Legacy Distribution Panel

Components:
- Digital displays of total air consumption and delivery pressure
- High Resolution Dual (Pressure/Flow) Transducer
- 10-Bank flow rater assembly for visually reading cable flow rates
- Panel delivery pressure regulator
- Panel shutoff valve

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