Delta P & Delta P *Plus* Controls

Solid-state product provides pressure drop measurement, digital display, and pressure drop control with an alarm function. Designed to provide accurate and dependable control of a pulse-cleaning timer, starting and stopping the cleaning process at the limits you choose.

Delta P and Delta P Plus Controls

■ Delta P Plus offers three cleaning options:
  1) differential pressure cleaning (DFF),
  2) down-time cleaning (DTC), and
  3) combined differential and down-time cleaning (ALL).

■ Downtime cleaning option is available only on the Delta P Plus.

■ Delta P and Delta P Plus are available as standard equipment on the Downflo® Oval, Downflo II, Downflo WorkStations, Dalamatic®, Modular Baghouse, and Electrical Control Panels.

■ Digital 3 character display, 0.6-inch, high visibility red.

■ Solid-state electronics for reliability and long-term accuracy.

■ High, Low, and Alarm setpoints programmable from front panel.

■ User selected lockout feature to prevent unauthorized adjustment of setpoints.

■ Form C relays rated for 10 Amps at 230 VAC.

■ Accuracy ± 1% full scale.

■ Programming retained in E²PROM with no battery required.

■ Choice of units, inches water gauge or daPa (decaPascals).

■ Jumper selected 115 or 230 VAC power.

■ No battery backup is required.

■ UL and CUL Approved.

Specifications

Power Required: 15 VA, 115 or 230 VAC, jumper selected

Display: Three digits - pressure measurement or setpoints
Units of measurement - "wg or daPa
Yellow LED - indicates cleaning relay latched
Red LED - indicates alarm relay closed

Keypad:

Delta P	Delta P Plus
■ Low Set	■ Menu
■ High Set	■ Set
■ Alarm Set	■ Downtime Clean
■ Up Arrow	■ Up Arrow
■ Down Arrow	■ Down Arrow

Pressure Range: 0 - 10 "wg

Relays: Cleaning Relay - 1 NC, 1 NO, Form C, 10 Amps @ 230 VAC
Latches at High setpoint, unlatches at Low setpoint
Auxiliary Relay - 1 NC, 1 NO, Form C, 10 Amps @ 230 VAC
Mode 1:   Latches at Alarm setpoint after 10 second delay, unlatches at High setpoint
Mode 2:   Duplicates Cleaning Relay, no alarm function other than LED indication on front panel

External Inputs: Remote contact closure to lock setpoints
Remote contact closure for alarm reset/defeat

Mounting: Type (NEMA/UL) 4 panel mount, up to 12 gauge panel thickness
(UL and CUL approved)

Environmental: Operating Temperature: 32 - 122°F (0 - 50°C)
Humidity: 0 - 85%, noncondensing
Altitude: 6,560 ft. (< 2000 meters)

Other Uses

■ Control alarm circuits

■ Flow control or other dampers

■ Pressure drop measurement

■ Monitor HEPA or safety filters

■ Control service indicator

■ Replace Photohelic®*gauge

* Photohelic is a registered trademark of Dwyer Instruments, Inc.