The Series DH3 Digihelic® Differential Pressure Controller is a 3 in 1 instrument possessing a digital display gage, control relay switches, and a transmitter with current output all packed in the popular Photohelic® gage style housing. Combining these 3 features allows the reduction of several instruments with one product, saving inventory, installation time and money. The Digihelic® controller is the ideal instrument for pressure, velocity and flow applications, achieving a 1% full scale accuracy on ranges down to the extremely low 0.25˝ w.c. full scale. Ranges of 5˝ w.c. and greater maintain 0.5% F.S. accuracy.

**APPLICATIONS**

- SCFM flow in ducts
- Filter status
- Static pressures in ducts or buildings
- Damper control
- Fan control

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Consult factory.
- **Housing Material:** Die cast aluminum case and bezel.
- **Accuracy:** < 5˝ w.c. (except ±2.5˝ w.c.) : ±1%; All other ranges: ±0.5% at 77°F (25°C) including hysteresis and repeatability (after 1 hour warm-up).
- **Stability:** < ±1% per year.
- **Pressure Limits:** Ranges ≤ 2.5˝ w.c.: 25 psi; ±2.5˝ w.c.: 5 psi; 10˝ w.c.: 5 psi; 25˝ w.c.: 5 psi; 50˝ w.c.: 5 psi; 100˝ w.c.: 9 psi.
- **Temperature Limits:** 32 to 140°F (0 to 60°C).
- **Compensated Temperature Limits:** 32 to 140°F (0 to 60°C).
- **Thermal Effects:** 0.020%/°F (0.036/°C) from 77°F (25°C).
- **Temperature Limits:** 32 to 140°F (0 to 60°C).
- **Pressure Limits:** Ranges ≤ 2.5˝ w.c.: 25 psi; ±2.5˝ w.c.: 5 psi; 10˝ w.c.: 5 psi; 25˝ w.c.: 5 psi; 100˝ w.c.: 9 psi.
- **Output Signal:** 4-20 mA DC into 900 ohms max.
- **Response Time:** 250 ms (damping set to 1).
- **Display:** Backlit 4 digit LCD 0.4” height LED indicators for set point and alarm status.
- **Electrical Connections:** 15 pin male high density D-sub connection. 18” (46 cm) cable with 10 conductors included. 4” and 10” cables available.
- **Mounting Orientation:** Mount unit in vertical plane.
- **Size:** 5” (127 mm) O.D. x 3-1/8” (79.38 mm).
- **Weight:** 1.75 lbs. (794 g).
- **Agency Approvals:** CE.

**ACCESSORIES**

- **A-298, Flat Aluminum Bracket** for flush mounting.
- **A-370, Mounting Bracket** flush mount bracket. Bracket is then surface mounted. Steel with gray hammertone epoxy finish.