**DIGIHELIC® 3 DIFFERENTIAL PRESSURE CONTROLLERS**

Digihekic Controller in Photohelic® Gage, Square Root Output for Flow

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Consult factory.
- **Housing Material:** Die cast aluminum case and bezel.
- **Accuracy:** ±1.5% for 0.25 in and ±0.25 in w.c. ranges. Ranges 0.5 in to 5 in w.c. correspond to -2.5 in w.c. ±1%; All other ranges: ±0.05% @ 77°F (25°C) including hysteresis and repeatability (after 1 hour warm-up).
- **Stability:** < ±1% per year.
- **Pressure Limits:** Ranges (uni- and corresponding bi-directional), ±1 in w.c.: 9 psi; 2.5 and 5 in w.c.: 15 psi; 10 in w.c.: 3 psi; 25 in w.c.: 8 psi; 50 in w.c.: 15 psi; 100 in w.c.: 20 psi.
- **Temperature Limits:** 32 to 140°F (0 to 60°C). Compensated Temperature Limits: 32 to 140°F (0 to 60°C).
- **Thermal Effects:** 0.02%/°F (0.03%/°C) from 77°F (25°C). For 0.25 in and ±0.25 in w.c. ranges: ±0.03%/°F (±0.05%/°C).
- **Power Requirements:** 12-28 VDC, 12-28 VAC 50 to 60 Hz. Power Consumption: 3 VA max.
- **Output Signal:** 4-20 mA DC into 900 Ω max.
- **Zero & Span Adjustments:** Accessible via menus.
- **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.
- **Process Connections:** 1/8” female NPT. Side or back connections.
- **Mounting Orientation:** Mount unit in vertical plane.
- **Size:** 5” (127 mm) OD x 3-1/8” (79.38 mm); “SS bezel: 4-3/4” (120.7 mm) OD x 2-21/32 (67.5 mm).
- **Weight:** 1.75 lb (794 g).
- **Agency Approvals:** CE.

**SWITCH SPECIFICATIONS**

- **Switch Type:** 2 SPDT relays.
- **Electrical Rating:** 1 A @ 30 VAC/VDC.
- **Set Point Adjustment:** Adjustable via keypad on face.

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>A-298</td>
<td>Flat aluminum bracket for flush mounting</td>
<td>$29.25</td>
</tr>
<tr>
<td>A-301</td>
<td>Static pressure tip for 1/4” metal tubing connection</td>
<td>10.25</td>
</tr>
<tr>
<td>A-302</td>
<td>Static pressure tip for 3/16” and 1/8” I.D. plastic or rubber tubing</td>
<td>9.40</td>
</tr>
<tr>
<td>A-302F-A</td>
<td>303 SS static pressure tip with mounting flange; for 3/16” I.D. rubber or plastic tubing; 4” insertion depth; includes mounting screws</td>
<td>9.50</td>
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<tr>
<td>A-370</td>
<td>Mounting bracket flush mount bracket; bracket is then surface mounted; steel with gray hammertone epoxy finish</td>
<td>35.50</td>
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<tr>
<td>A-489</td>
<td>4” straight static pressure tip with flange</td>
<td>6.90</td>
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</tbody>
</table>

**OPTIONS**

To order add suffix:  

**-SS** 304 brushed stainless steel bezel. Backward compatible with standard Magnehelic® gage installation diameter  

Example: DH3-004-SS  

**-NIST** NIST traceable calibration certificate  

Example: DH3-004-NIST  

**-FC** Factory calibration certificate  

Example: DH3-004-FC  

© Items are net priced and are not subject to any discount.  

Process Tubing Options: See page 455 (Gage Tubing Accessories)