Differential Pressure Switches

• Variable air volume controller
• Air conditioning refrigeration coil icing detection; defrost cycle initiation

APPLICATIONS
• Range screw protected inside enclosure provides simplifies making adjustments but prevents tampering
• Wide range of models from 0.07 in w.c. to 20 in w.c. can meet exacting OEM applications
• Compact size and repeatability, provides a high-value switch for many industrial and OEM applications

FEATURES/BENEFITS
• Compact size and repeatability, provides a high-value switch for many industrial and OEM applications
• Wide range of models from 0.07 in w.c. to 20 in w.c. can meet exacting OEM specifications for a low pressure switch
• Range screw protected inside enclosure provides simplifies making adjustments but prevents tampering

SERIES 1900

SERIES 1900
1910-20
1910-10
1910-5
1910-1
1910-0.07 to 20 in w.c.
4.0 to 20.0
3.0 to 11.75
1.40 to 5.5
0.40 to 1.6
0.15 to 0.5
0.07 to 0.15

Our most popular SERIES 1900 combines advanced design and precision construction to make these switches able to perform many of the tasks of larger, costlier units. Designed for air conditioning service, they also serve many fluidics, refrigeration, oven and dryer applications. Series 1900 switches have set points from 0.07 to 20 in w.c. (1.8 to 508 mm). Set point adjustment is easy with range screw located inside conduit enclosure. Internal location helps prevent tampering. UL, CE and CSA listed, and FM approved. For use with air or compatible gages.

SPECIFICATIONS
Service: Air and non-combustible, compatible gases
Temperature Limits: -30 to 180°F (-34 to 82.2°C)
Pressure Limits: 45 in w.c. (11.2 kPa) continuous, 10 psig (68.95 kPa) surge
Switch Type: Single-pole double-throw (SPDT)
Repeatability: ±3%
Electrical Rating: 15 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz. Derate to 10 A for operation at high cycle rates.

OPTIONS
Weatherproof Housing

Weatherproof Housing
Includes special snap switch which latches on pressure increase above the setpoint. Switch must be manually reset after pressure drops below the setpoint. Available on -1, -5, -10 or -20 ranges only. Option is not UL, CSA or FM listed. For use only in single positive pressure applications.

Note: To order, change 1910 base number to 1911 and add -WP suffix.
Example: 1911-1-WP

Explosion-Proof Housing
Cast iron base with brass cover. Rated Class I, Groups D; Class II, Div. 2, Groups E, F, G; Class III and NEMA 7, 9 NEMA 3. (7 lb). Switch must be factory installed.

Note: To order, change 1910 base number to 1911 and add -EXPL suffix.
Example: 1911-1-EXPL

Manual Reset Option (Model 1900 MR)
Indicates manual reset switch which latches on pressure increase above the setpoint. Switch must be manually reset after pressure drops below the setpoint. Available on -1, -5, -10 or -20 ranges only. Option is not UL, CSA or FM listed. For use only in single positive pressure applications.

Note: To order, change 1910 base number to 1900 and add -MR suffix.
Example: 1900-10-MR

ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-399</td>
<td>Duct pressure monitor kit; for use with standard or manual reset model switches; includes mounting flange, tubing and adapters</td>
</tr>
<tr>
<td>A-329</td>
<td>Street ell; brass adapter for applications requiring right angle connections; two required for differential pressures</td>
</tr>
<tr>
<td>A-302F-A</td>
<td>303 SS static pressure tip with mounting flange; for 3/16&quot; ID rubber or plastic tubing; 4&quot; insertion depth; includes mounting screws</td>
</tr>
<tr>
<td>A-489</td>
<td>4&quot; straight static pressure tip with flange</td>
</tr>
</tbody>
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USA: California Proposition 65

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