**DIN RAIL DIFFERENTIAL PRESSURE TRANSMITTER**

Mounts on 35 mm DIN Rail, ±0.25% Full Scale Accuracy

The Series 616D DIN Rail Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4 to 20 mA or 0 to 10 VDC output signal. The 616D enclosure is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. The span and zero controls are for use when checking calibration. They are not intended for re-ranging. Versatile circuit design enables operation in 2-wire current loops.

**APPLICATIONS**
- Hospital isolation wards
- Pharmaceutical
- Manufacturing
- Clean rooms
- Research labs
- Animal facilities

**FEATURES/BENEFITS**
- Simple calibration push-buttons to set zero and span
- Cost effective and compact device suitable for OEM applications where space, simplicity, and value are key
- Variable air volume
- Filter monitoring
- Duct pressure
- Air handlers
- Duct pressure

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Max. Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>616D-2</td>
<td>0 to 6 in w.c.</td>
<td>10 psig</td>
</tr>
<tr>
<td>616D-3</td>
<td>0 to 10 in w.c.</td>
<td>10 psig</td>
</tr>
<tr>
<td>616D-4</td>
<td>0 to 20 in w.c.</td>
<td>20 psig</td>
</tr>
<tr>
<td>616D-5</td>
<td>0 to 40 in w.c.</td>
<td>20 psig</td>
</tr>
<tr>
<td>616D-6</td>
<td>0 to 100 in w.c.</td>
<td>15 psig</td>
</tr>
<tr>
<td>616D-7</td>
<td>0 to 200 in w.c.</td>
<td>10 psig</td>
</tr>
<tr>
<td>616D-8</td>
<td>0 to 10 psid</td>
<td>45 psig</td>
</tr>
</tbody>
</table>

**ROOM STATUS MONITOR**

For Sensing Low Pressure Using High Accuracy

**SERIES RSM**

Room Status Monitor is designed for critical low differential pressure applications that require stringent pressure monitoring and alarming. The Series RSM can be configured to monitor positive or negative pressure in protected environments and hospital isolation rooms per CDC guidelines. The RSM is a complete system with a graphic user interface which enables access to pressure, security, calibration, and alarm setup. The RSM has a NEMA 1 (IP20) rated fire retardant plastic for indoor applications.

**FEATURES/BENEFITS**
- Accurately monitors critical environments for negative or positive pressure ensuring safety and reducing risk of catastrophic events
- Audible and visual alarm provides immediate local alerts allowing corrective action to be taken quicker to eliminate the problem from becoming widespread
- Password protected set up menu ensures no errors by untrained personnel
- Optional BACnet communication from devices provides integration into building control system for automated control and centralized monitoring and alarming
- Hospital isolation wards
- Pharmaceutical
- Research labs
- Manufacturing
- Animal facilities

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-365</td>
<td>Aluminum DIN Rail 1 m</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Copper, brass, stainless steel.
- **Accuracy:** ±0.25% FS @ 77°F (25°C).
- **Thermal Effect:** ±0.02% FS/°F (±0.036% FS/°C).
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** 14 to 185°F (-10 to 85°C).
- **Pressure Limits:** See chart.
- **Power Requirements:** 10 to 35 VDC (2-wire); 17 to 36 VDC, or isolated 21.6 to 33 VAC (3-wire).
- **Output Signal:** 4 to 20 mA (2-wire); 0 to 10 VDC (3-wire).
- **Zero and Span Adjustments:** Push buttons. **Loop Resistance:** Current output: 0 to 1250 Ω max; Voltage output: Load resistance 1 kΩ min.
- **Current Consumption:** 40 mA max.
- **Electrical Connections:** Screw-type terminal block.
- **Process Connections:** 1/8” female NPT. Accessories included are 2 barbed fittings for 1/8” (3.12 mm) and 3/16” (4.77 mm) ID rubber or vinyl tubing.
- **Mounting Orientation:** Vertical, on a 1.378” (35 mm) DIN rail.
- **Weight:** 4.6 oz (136 g).
- **Agency Approvals:** CE.

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-285</td>
<td>Remote alarm annunciator with visible/audible alarm and acknowledge switch</td>
</tr>
</tbody>
</table>