The Series 616D Din Rail Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA or 0-10 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.

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

APPLICATIONS
- Air handlers
- Duct pressure
- Variable air volume
- Filter monitoring

SPECIFICATIONS
- Service: Air and non-combustible, compatible gases.
- Wetted Materials: Consult factory.
- Accuracy: ±0.25% FS (±0.036% FS/°C).
- Thermal Effect: ±0.2 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: 10-35 VDC (2-wire); 17-36 VDC, or isolated 21.6-33 VAC (3-wire).
- Output Signal: 4-20 mA (2-wire); 0-10 VDC (3-wire).
- 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: 8.4 oz (136 g).
- Agency Approvals: CE.

ACCESSORIES
- A-360 Aluminum DIN Rail 1 m

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 protective 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 setup 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

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

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range</th>
<th>Model</th>
<th>Operating Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM-1-A</td>
<td>±0.05 in w.c.</td>
<td>RSM-1-B</td>
<td>±0.05 in w.c.</td>
</tr>
<tr>
<td>RSM-2-A</td>
<td>±0.1 in w.c.</td>
<td>RSM-2-B</td>
<td>±0.1 in w.c.</td>
</tr>
<tr>
<td>RSM-3-A</td>
<td>±0.25 in w.c.</td>
<td>RSM-3-B</td>
<td>±0.25 in w.c.</td>
</tr>
<tr>
<td>RSM-4-A</td>
<td>±0.5 in w.c.</td>
<td>RSM-4-B</td>
<td>±0.5 in w.c.</td>
</tr>
<tr>
<td>RSM-5-A</td>
<td>±1 in w.c.</td>
<td>RSM-5-B</td>
<td>±1 in w.c.</td>
</tr>
<tr>
<td>RSM-6-A</td>
<td>±2.5 in w.c.</td>
<td>RSM-6-B</td>
<td>±2.5 in w.c.</td>
</tr>
</tbody>
</table>

*RSM-1-A: 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
*RSM-2-A: 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
*RSM-3-A: 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
*RSM-4-A: 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
*RSM-5-A: 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
*RSM-6-A: 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).

Note: For optional BACnet communication change end from -A to -C for 24 VAC power or from -B to -D for 120 VAC power models.

SPECIFICATIONS
- Service: Air or non-conductive, nonexplosive gases.
- Accuracy: ±0.5% FS.
- Temperature Limits: 32 to 120°F (0 to 50°C).
- Humidity Limits: 2 to 95% relative humidity (non-condensing).
- Thermal Effects: ±0.03% FS/°F (± 0.05% FS/°C).
- Pressure Limits: ±15 in w.c. (±37 kPa).
- Supply Voltage: Order code A (24 VAC): 18-32 VAC, 50 to 60 Hz; Order code B (120 VAC): 85-265 VAC, 50 to 60 Hz; Main supply voltage fluctuations up to 10%.
- Power Requirements: 5 W
- Power Consumption (Voltage output): 5 W.
- Output Signal: Selectable 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
- Switch Type: SPST
- Loop Resistance (4-20 mA output): 0 to 510 Ω.
- Electrical Connection: Removable terminal block.
- Enclosure Rating: NEMA 1 (IP20) rated for indoor applications.
- Housing: Fire retardant plastic.
- Mounting: Mount to standard double gang metal electrical box using 4x4˝ plaster ring adapter.
- Dimensions: 8˝ H x 5.4˝ W x 1.8˝ D (20.3 H x 13.7 W x 4.1 D cm).
- Weight: 1.5 lb (680 g).
- Communications: BACnet MSTP ASC optional.
- Agency Approvals: CE, CSA (RSM only).

ACCESSORIES
- A-285 Remote alarm annunciator with visible/audible alarm and acknowledge switch

Process Tubing Options: See page 453 (Gage Tubing Accessories)