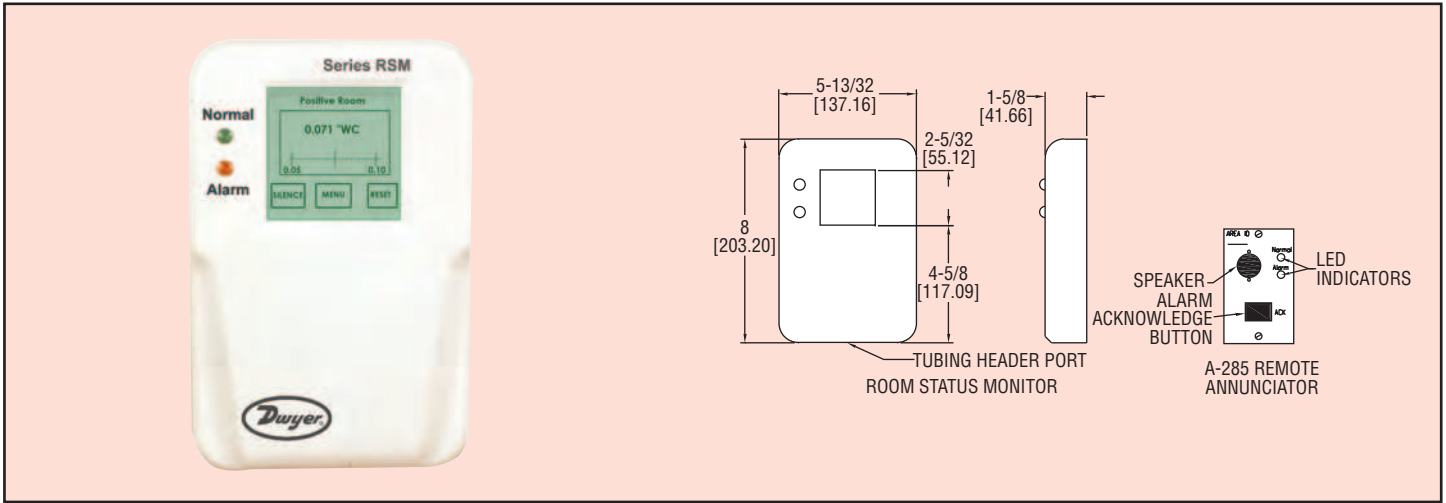




Series RSM

Room Status Monitor

For Sensing Low Pressure Using High Accuracy



The **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 that includes a backlit RGB LCD display with a graphic user interface which enables access to pressure, security, calibration, and alarm setup. The touch-screen displays menus that guide the user through setup, as well as setting up password protection. Red and green LED's and a local audible alarm (with time delay feature) alert personnel to system status. The RSM has a NEMA 1 (IP20) rated fire retardant plastic for indoor applications. True differential pressure is displayed with a resolution of 0.001" w.c.

APPLICATIONS

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

Model	Operating Range	Excitation/Output
RSM-1-A	±0.05 in w.c.	24VAC/4-20 mA or 0-5 or 0-10 VDC
RSM-2-A	±0.1 in w.c.	
RSM-3-A	±0.25 in w.c.	
RSM-4-A	±0.5 in w.c.	
RSM-5-A	±1 in w.c.	
RSM-6-A	±2.5 in w.c.	
RSM-1-B	±0.05 in w.c.	120VAC/4-20 mA or 0-5 or 0-10 VDC
RSM-2-B	±0.1 in w.c.	
RSM-3-B	±0.25 in w.c.	
RSM-4-B	±0.5 in w.c.	
RSM-5-B	±1 in w.c.	
RSM-6-B	±2.5 in w.c.	

SPECIFICATIONS

- Service:** Air or nonconductive, nonexplosive gases.
- Accuracy:** ±0.5% FS.
- Temperature Limits:** 32 to 120°F (0 to 50°C).
- Humidity Limits:** 5 to 95% relative humidity (non-condensing).
- Altitude:** 2000 meters (max).
- Thermal Effects:** ±0.03% FS/°F (± 0.05% FS/°C).
- Pressure Limits:** ±1 psi.
- Power Requirements:**
 - Order code A (24 VAC): 18-32 VAC, 50-60 Hz;
 - Order code B (120 VAC): 85-265 VAC, 50-60 Hz;
 - Mains supply voltage fluctuations up to 10%.
- 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).
- Loop Resistance (4-20 mA output):** 0-510 Ω.
- Electrical Connection:** Removable terminal block.
- Process Connections:** Barbed fittings for 1/4" I.D. tubing.
- Enclosure Rating:** NEMA 1 (IP20).
- Housing:** Fire retardant plastic.
- Mounting:** 4" x 4" plaster ring (mounts to double gang electrical box).
- Weight:** 1.5 lb (680 g).
- Agency Approval:** CE, CSA.

ACCESSORY

A-285, Remote Alarm Annunciator with Visible/Audible Alarm and Acknowledge Switch