



# A new spin on room controller functionality

## VAV Application for 8000 Series Room Controllers

Variable Air Volume (VAV) systems are fast becoming among the most preferred HVAC systems for providing comfort and control in a wide range of commercial buildings. Now Schneider Electric's 8000 Series Room Controllers feature a state-of-the-art VAV Application to leverage the many benefits of these versatile and popular systems.

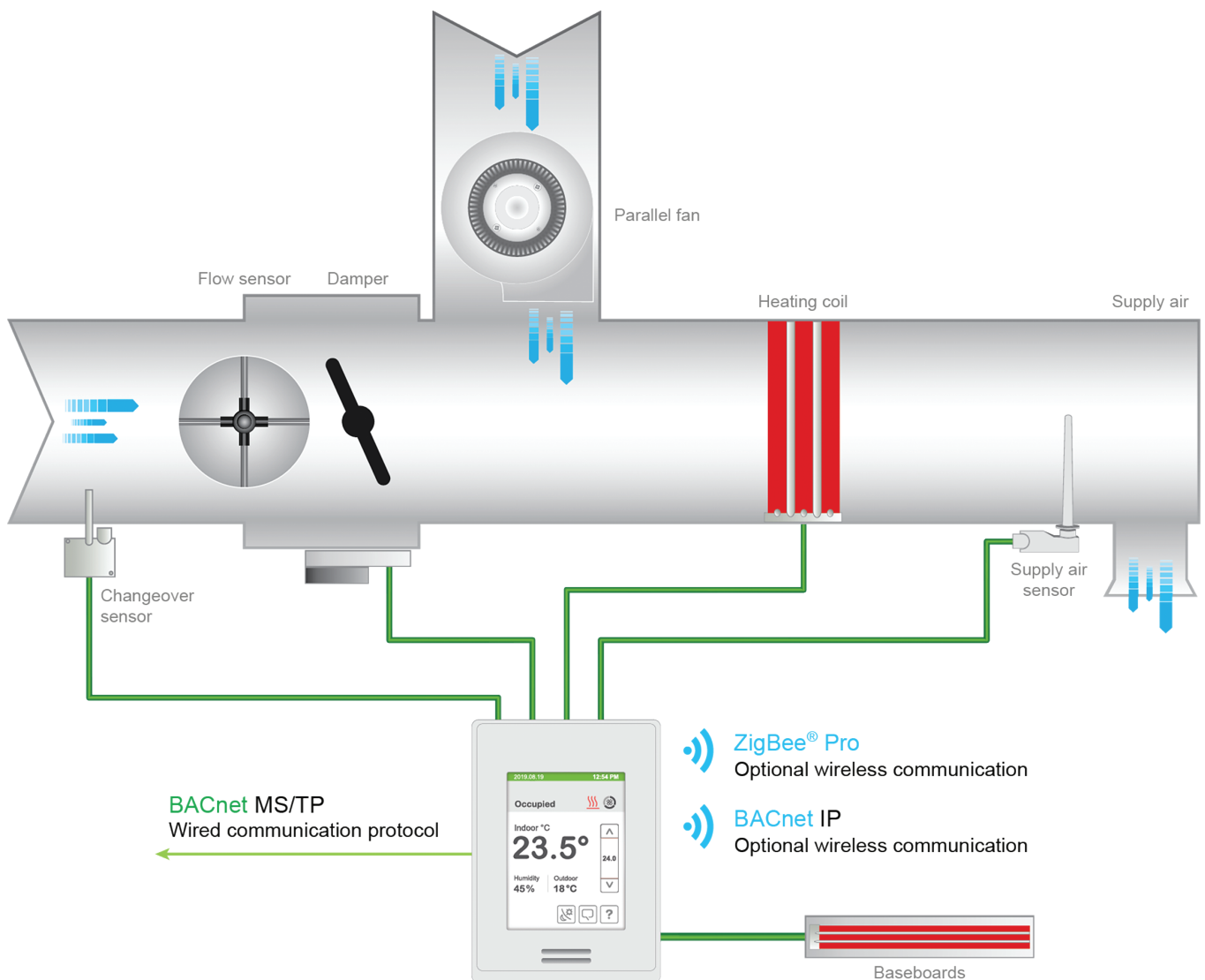
Schneider Electric's 8000 Series Room Controllers are a single, smart device for energy savings, occupant comfort, and advanced HVAC control. Its new VAV Application provides a simple solution for even more room controller functionality in all types of buildings, and especially for prolific commercial building retrofit installations.



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## VAV Application Features and Benefits

The 8000 Series Room Controllers are much more than simple thermostats. Used as a stand-alone solution or integrated into a BMS, the controllers gather and transmit vital building data — from temperature, CO<sub>2</sub> and humidity levels to occupancy status and motion detection — which can be used to fine-tune heating, ventilation, and air conditioning for optimal efficiency and maximum customer satisfaction.

Room Controllers with the VAV Application offer comprehensive features and benefits, coupled with the design and functionality of the 8000 Series:

### Open and secure

- Compatible with building management systems using BACnet™ (MSTP on board, or IP via Wi-Fi), ZigBee™ Pro, or Modbus (RS-485)
- EEPROM memory for configuration parameters back-up
- Password protected to prevent unauthorized access

### Benefits of VAV Systems:

- Precise temperature control while accommodating space conditional loads
- Flexible for a wide range of buildings, and from heavily-occupied spaces to smaller rooms where single duct-style systems are used
- Extended system wear, reduced energy use, and quieter operation with VAV fan control
- Paired with room controllers: user-friendly LCD displays, enhanced communication, and other options



## VAV Application Features and Benefits, continued

### Easy and efficient installation

- Low-voltage and microprocessor-based controllers
- Controls dampers, duct fans, flow sensors, and local reheat in one application
- Pre-programmed with all required Inputs and Outputs (I/Os) for the VAV application
- Touch screen for simplified configuration, sequence selection, re-initialization, establishing setpoints, and display setting control

### Versatile and flexible

- Supports Pressure Independent (PI) and Pressure Dependent (PD) damper controls
- Configurable for temporary or permanent local override setpoints
- Remote night set back option; local or remote override for unoccupied mode
- Adjustable local and remote heating and cooling setpoint limits

### Feature-rich

- Accurate temperature control using proportional integral algorithm
- Integrated changeover function
- Full balancing capability
- Door, window, wall, and ceiling motion (PIR) and CO<sub>2</sub> detection options available

### Attractive control in any setting

- Multiple colors and styles of removeable fascias
- LED-backlit LCD touch screens in 10 color display options
- 12 screen options dedicated to commercial and hospitality uses
- 22 configurable languages available

8000 Series Room Controllers with VAV Application are available in white or silver; order using these reference numbers:

Commercial Reference	Description
SEZ8250U0B00	VAV PD/PI RH, Silver
SEZ8250U5B00	VAV PD/PI RH + PIR, Silver
SEZ8250U5B00P	VAV PD/PI RH + PIR + ZB IP Ready Silver
SEZ8250U0B11	VAV PD/PI RH, White
SEZ8250U5B11	VAV PD/PI RH + PIR, White
SEZ8250U5B11P	VAV PD/PI RH + PIR + ZB IP Ready White

Contact your Schneider Electric representative for more information.

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