

Room Controllers

New SE7000 Series Room Controllers



General Information

Schneider Electric's new SE7000 Room Controllers deliver what matters: product performance, energy efficiency and lower project cost. The SE7000 Series is a cost-competitive product line that increases occupant comfort while reducing energy costs and accelerating return on investment. It's a "win win" for the occupant and the owner.

On a network, the SE7000 is a read/write device that includes up to 70 configurable properties. Every room controller has configurable sequences of operation, a built-in temperature sensor, and a display and internal configuration utility. In the occupant space, the controllers give the user an enhanced thermostat-like experience. The contractor experiences a device that is simple to engineer and install because it is predictable and repeatable.

Models can be ordered with (BACnet®/LON®/Zigbee® Wireless) built-in communications cards that facilitate easy integration to existing Schneider Electric intelligent Building Management Systems, (iBMS) including TAC Vista, Andover Continuum and the TAC I/A Series as well as many other BMS systems. For a complete list of the available items, please see Table 1 on pages 4-7.

The Network Ready models offer standalone control with the flexibility to be upgraded in the field as building requirements change or budgets allow. Discover the simple yet elegant product features that deliver new solutions to existing challenges at a lower project cost.

- Includes all necessary I/Os for typical HVAC applications
- Optional RH sensor (model dependent)
- Energy savings from an optional occupancy sensor (PIR technology)
- Embedded configuration utility (No external tools required)
- Models available with BACnet, Lontalk® or Zigbee Wireless communication
- Menu-driven LCD user interface

Product at a Glance

Product Announcement Number
PA-00192

Applications Served

- Zoning
- Fan coil
- Heat pump
- Roof top

Markets Served

- Commercial Buildings
- Educational Campuses
- Healthcare Complexes
- Hotels/Hospitality
- Government/Military
- Retail Centers

Useful Links

- [SE7000 Brochure](#)
- [Data Sheets](#)

Pricing

- Details are available through the normal channels for your market.

Delivery Information

- These products will have a lead time of 10 to 15 days
- These products will be available from December 16, 2011

SE7200 Zone Controller

The SE7200 Zone Controllers are designed to provide exceptional control of zone dampers with reheat and perimeter radiant heat, induction units, duct heaters and passive chilled beam utilizing their two-position, analog or floating outputs. Three additional inputs are also provided for monitoring and/or various advanced functions. All zone models contain an SPST auxiliary switch that can be used to control lighting, auxiliary radiant heat or be used as a network commandable output.

SE7300 Fan Coil Controller

The SE7300 Fan Coil Controllers are designed to provide exceptional control of multi-speed fan coil units with two-position, analog or floating temperature control valves. Models are available with built-in humidity sensing and dehumidification capabilities. Three additional inputs are also provided for monitoring and/or various advanced functions. All models feature configurable System and Fan button functions to meet most applications. They all contain an SPST auxiliary switch that can be used to control lighting, auxiliary reheat or be used as a network commandable output.

SE7600 Roof Top and Heat Pump Controllers

The SE7600 family is specifically designed for single-stage and multi-stage control of heating/cooling equipment such as roof-top units, self-contained units and heat pumps. The product features an intuitive, menu-driven, back-lit LCD, which walks users through the programming steps, making the process extremely simple.

All models contain two digital inputs, which can be set by the user to monitor filter status, activate a remote temporary occupancy switch, and/or used as a general purpose service indicator. In addition, depending on the model, up to three remote sensor inputs are available.

All models contain a SPST auxiliary switch that follows the occupancy status and can be used to control lighting or disable the economizer function and a discharge air sensor input. For more advanced applications, economizer control logic has been integrated onto the thermostat for use with proportional damper economizer actuators.

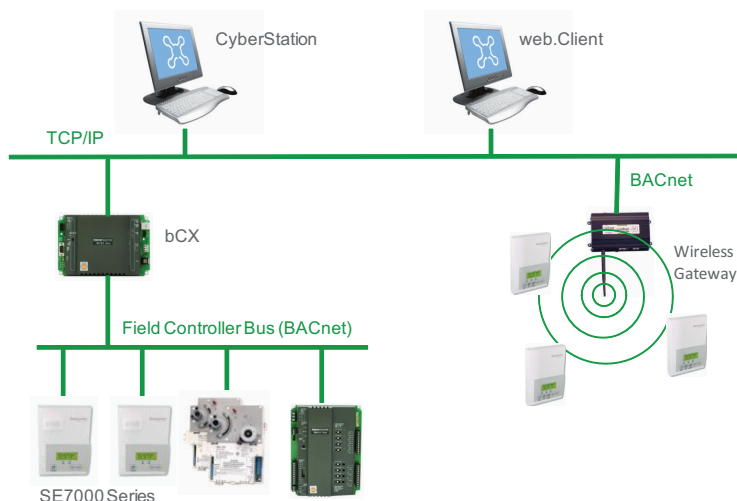
Communication to iBMS

The SE7000 range of products can be ordered as Network Ready or communicating. Network Ready versions provide a cost-effective solution for standalone room control, but also allow the flexibility to upgrade to a communicating version in the future. All models can be ordered with built in communication allowing for a simple integration into the intelligent building management system of your choice. By using open protocols such as BACnet, Lontalk® or Zigbee Wireless, the building owner can reduce the risk of being restricted to an outdated or proprietary system.

By using open protocols such as BACnet, Lontalk® or Zigbee Wireless, the building owner can reduce the risk of being restricted to an outdated or proprietary system. These controllers integrate with Schneider Electric Intelligent Building Management Systems (iBMS) including TAC Vista, Andover Continuum and the TAC I/A Series as well as many other BMS systems. A sample architecture with Integration to Andover Continuum is shown on next page.

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Andover Continuum



Integral Occupancy Sensor using Passive Infrared (PIR) Technology

All SE7000 products are manufactured with a connector for the occupancy sensor and can be ordered with, or without, a factory-installed PIR cover. Units equipped with a PIR cover provide advanced active occupancy logic, which will automatically switch occupancy levels from Occupied to Unoccupied as required by local activity being present or not. SE7200 and SE7300 models include an additional standby setpoint allowing for incremental savings when the occupant is not in their conditioned space. This advanced occupancy functionality provides advantageous energy savings during occupied hours without sacrificing occupant comfort.

Pricing

Details are available through the normal channels for your market.

Further Information

This is a class one product and support will be provided through normal Schneider Electric Product Support Channels. For technical information or queries, please contact Product Support in the first instance.

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