

Product comparison guide

SE7000 Series room controllers



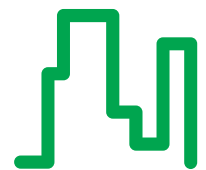
Control



Performance

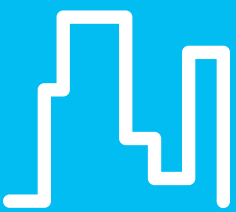


Energy savings



Better building management

Schneider Electric SE7000 Series room controllers bridge the gap between stand-alone sensors and intelligent building management systems, delivering simplified automation and communications to a broad range of mid-market opportunities.



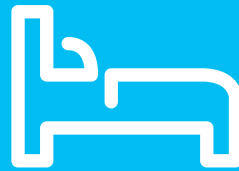
Commercial



Retail



Healthcare



Hotels



Education



SE7200



SE7300



SE7600



Introducing simplified building management

Schneider Electric introduces the new SE7000 Series room controllers, delivering advanced climate control at an affordable price for mid-market applications. The SE7000 Series offers a variety of application-specific products to increase the comfort of building occupants while reducing energy costs and consumption and accelerating return on investment. The digital controllers give users easy-to-install, thermostat-like functionality that can sense occupancy and adjust set-point or fan speed control. From roof top to fan coil, to terminal unit and heat pump applications, you'll be in full control.

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Not all products in the catalogue may be available in every country, please check availability with the local Schneider Electric office.



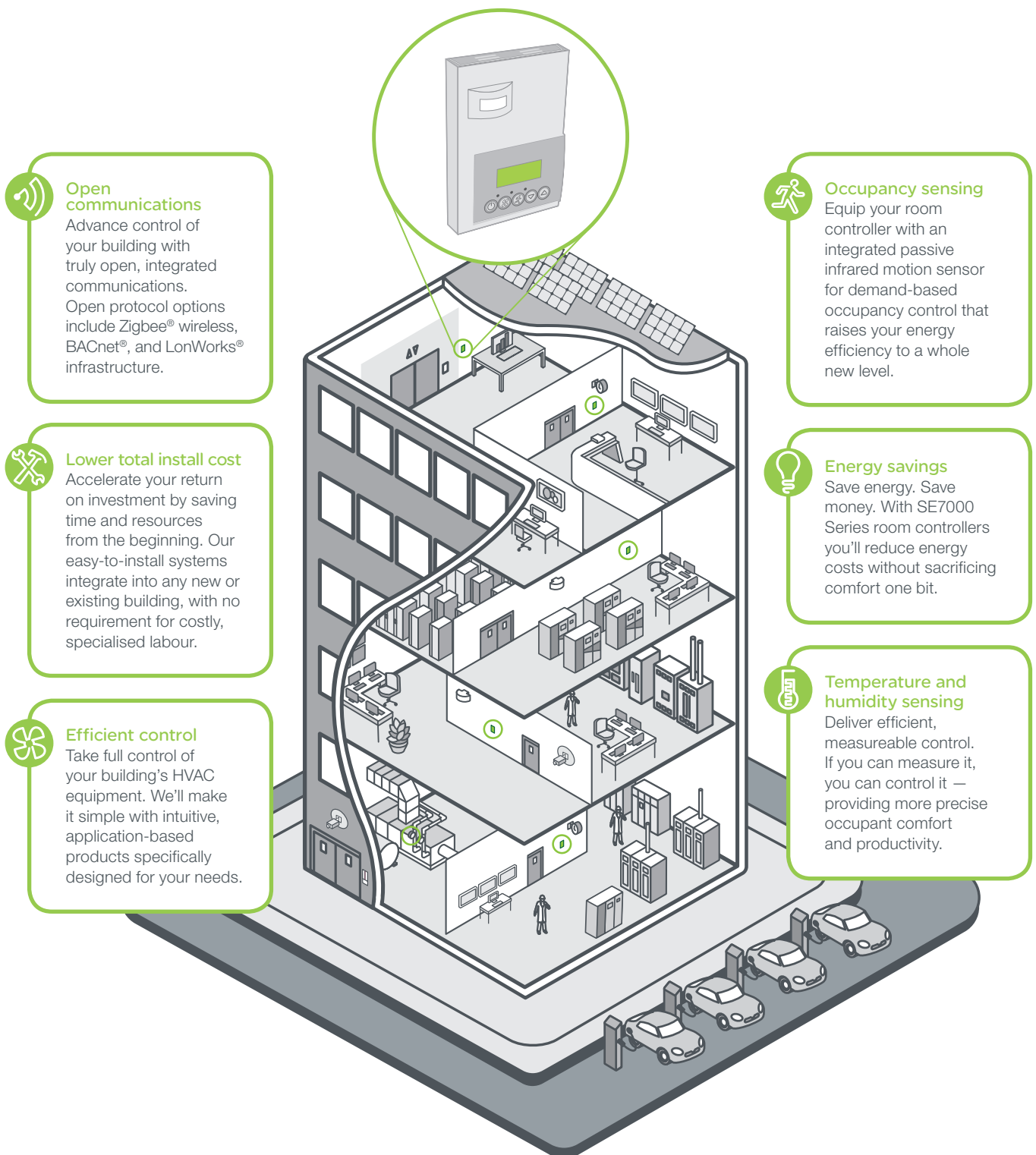
Comfortable workers are more productive.

Accelerate your return on investment with
SE7000 Series room controllers.



Cost-saving, energy-saving applications

From hotels and hospitals to schools, retail, and commercial buildings, Schneider Electric offers wide-ranging room control solutions for your building management needs. Whether retrofitting current systems with a more technologically advanced room controller or going green with a more environmentally friendly option, SE7000 Series is the ideal, cost-competitive solution. The SE7000 Series room controllers can be equipped with an integrated passive infrared motion sensor for demand-based occupancy control that opens up new opportunities in smart energy management.



Digital stand-alone and communicating room controllers

Schneider Electric offers three room controller models to meet your specific application-based needs. All models feature an intuitive user interface with a backlit LCD display and configurable system and fan functions for optimal control in any application. For zoning applications, the SE7200 Series includes local hydronic reheat valve control and pressure dependent VAV (with or without local reheat). The SE7300 Series is specifically designed for fan coil control. Models are available with on/off, three-point floating, or analogue outputs. The SE7600 Series can be installed in any building using a standard roof top or heat pump unit with a requirement for advanced control.



SE7200 Series	SE7300 Series	SE7600 Series
Zoning, heating/cooling	Fan coil, three-speed fan	Roof top or heat pump
<ul style="list-style-type: none"> • Reheat control • Induction units • Chilled beam • Under floor heating • Perimeter radiant heat • Pressure dependent VAV 	<ul style="list-style-type: none"> • Two pipe • Four pipe 	<ul style="list-style-type: none"> • Economiser option • Humidification/dehumidification heat pumps • Roof top, 3 heat/2 cool • Water source with dehumidification, 1 heat/2 cool

SE7200 | Zone controllers

Smart energy management has never been easier with SE7200 Series room controllers, designed specifically to control on/off, floating, or heating or cooling terminal equipment such as pressure dependent VAVs, valves, or other end devices. Ideal for both new construction and retrofit projects, the controllers decrease project delivery costs by reducing installation, configuration, and commissioning time.



Part Number	Description	Output	PIR Cover	Communication
SE7200C5045	Stand-alone zone controller	Floating or on/off	No	Stand-alone (network ready)
SE7200C5045B	BACnet zone controller	Floating or on/off	No	BACnet
SE7200C5045E	LON zone controller	Floating or on/off	No	LonWorks
SE7200C5045W	Wireless zone controller	Floating or on/off	No	Wireless
SE7200C5545	Stand-alone zone controller	Floating or on/off	Yes	Stand-alone (network ready)
SE7200C5545B	BACnet zone controller	Floating or on/off	Yes	BACnet
SE7200C5545E	LON zone controller	Floating or on/off	Yes	LonWorks
SE7200C5545W	Wireless zone controller	Floating or on/off	Yes	Wireless
SE7200F5045	Stand-alone zone controller	0 - 10 V	No	Stand-alone (network ready)
SE7200F5045B	BACnet zone controller	0 - 10 V	No	BACnet
SE7200F5045E	LON zone controller	0 - 10 V	No	LonWorks
SE7200F5045W	Wireless zone controller	0 - 10 V	No	Wireless
SE7200F5545	Stand-alone zone controller	0 - 10 V	Yes	Stand-alone (network ready)
SE7200F5545B	BACnet zone controller	0 - 10 V	Yes	BACnet
SE7200F5545E	LON zone controller	0 - 10 V	Yes	LonWorks
SE7200F5545W	Wireless zone controller	0 - 10 V	Yes	Wireless

SE7200 Series ordering

SE7200 45

Control output type:

- C = Floating or on/off digital control outputs
- F = Analogue 0 - 10 VDC control outputs

PIR options:

- 50 = PIR ready but PIR cover not included
- 55 = Factory assembled with PIR cover

Communication options:

- B = BACnet® MS/TP
- E = Echelon®
- W = Zigbee® wireless
- = Network ready

Example:

SE7200F5045B

- Zone Control
- Analogue 0 - 10 VDC outputs
- PIR ready
- Schneider Electric branded
- BACnet communications

* Some part number configurations may not be available. Please refer to the tables for available versions.

SE7300 | Fan coil room controllers

Achieve better energy efficiency and reduce operating costs with SE7300 Series room controllers. Ideal for commercial and hotel applications, these fan coil units function with electronically commutated motors to optimise fan control sequences. With the full proportional operating of the SE7300, as opposed to the traditional three-speed tap operation, customers will experience better control and a more comfortable environment.

Commercial interface (local override)



Part Number	Description	Humidity	Output	PIR Cover	Communication
SE7300C5045	Stand-alone fan coil controller	No	Floating or on/off	No	Stand-alone (network ready)
SE7300C5045B	BACnet fan coil controller	No	Floating or on/off	No	BACnet
SE7300C5045E	LON fan coil controller	No	Floating or on/off	No	LonWorks
SE7300C5045W	Wireless fan coil controller	No	Floating or on/off	No	Wireless
SE7300C5545	Stand-alone fan coil controller	No	Floating or on/off	Yes	Stand-alone (network ready)
SE7300C5545B	BACnet fan coil controller	No	Floating or on/off	Yes	BACnet
SE7300C5545E	LON fan coil controller	No	Floating or on/off	Yes	LonWorks
SE7300C5545W	Wireless fan coil controller	No	Floating or on/off	Yes	Wireless
SE7300F5045	Stand-alone fan coil controller	No	0 - 10 V	No	Stand-alone (network ready)
SE7300F5045B	BACnet fan coil controller	No	0 - 10 V	No	BACnet
SE7300F5045E	LON fan coil controller	No	0 - 10 V	No	LonWorks
SE7300F5045W	Wireless fan coil controller	No	0 - 10 V	No	Wireless
SE7300F5545	Stand-alone fan coil controller	No	0 - 10 V	Yes	Stand-alone (network ready)
SE7300F5545B	BACnet fan coil controller	No	0 - 10 V	Yes	BACnet
SE7300F5545E	LON fan coil controller	No	0 - 10 V	Yes	LonWorks
SE7300F5545W	Wireless fan coil controller	No	0 - 10 V	Yes	Wireless
SE7350C5045	Stand-alone fan coil controller	Yes	Floating or on/off	No	Stand-alone (network ready)
SE7350C5045B	BACnet fan coil controller	Yes	Floating or on/off	No	BACnet
SE7350C5045E	LON fan coil controller	Yes	Floating or on/off	No	LonWorks
SE7350C5045W	Wireless fan coil controller	Yes	Floating or on/off	No	Wireless
SE7350C5545	Stand-alone fan coil controller	Yes	Floating or on/off	Yes	Stand-alone (network ready)
SE7350C5545B	BACnet fan coil controller	Yes	Floating or on/off	Yes	BACnet
SE7350C5545E	LON fan coil controller	Yes	Floating or on/off	Yes	LonWorks
SE7350C5545W	Wireless fan coil controller	Yes	Floating or on/off	Yes	Wireless
SE7350F5045	Stand-alone fan coil controller	Yes	0 - 10 V	No	Stand-alone (network ready)
SE7350F5045B	BACnet fan coil controller	Yes	0 - 10 V	No	BACnet
SE7350F5045E	LON fan coil controller	Yes	0 - 10 V	No	LonWorks
SE7350F5045W	Wireless fan coil controller	Yes	0 - 10 V	No	Wireless
SE7350F5545	Stand-alone fan coil controller	Yes	0 - 10 V	Yes	Stand-alone (network ready)
SE7350F5545B	BACnet fan coil controller	Yes	0 - 10 V	Yes	BACnet
SE7350F5545E	LON fan coil controller	Yes	0 - 10 V	Yes	LonWorks
SE7350F5545W	Wireless fan coil controller	Yes	0 - 10 V	Yes	Wireless

SE7305 | Fan coil room controllers

Hotel/lodging interface (°C/°F selection)



Part Number	Description	Humidity	Output	PIR Cover	Communication
SE7305C5045	Stand-alone fan coil controller	No	Floating or on/off	No	Stand-alone (network ready)
SE7305C5045B	BACnet fan coil controller	No	Floating or on/off	No	BACnet
SE7305C5045E	LON fan coil controller	No	Floating or on/off	No	LonWorks
SE7305C5045W	Wireless fan coil controller	No	Floating or on/off	No	Wireless
SE7305C5545	Stand-alone fan coil controller	No	Floating or on/off	Yes	Stand-alone (network ready)
SE7305C5545B	BACnet fan coil controller	No	Floating or on/off	Yes	BACnet
SE7305C5545E	LON fan coil controller	No	Floating or on/off	Yes	LonWorks
SE7305C5545W	Wireless fan coil controller	No	Floating or on/off	Yes	Wireless
SE7305F5045	Stand-alone fan coil controller	No	0 - 10 V	No	Stand-alone (network ready)
SE7305F5045B	BACnet fan coil controller	No	0 - 10 V	No	BACnet
SE7305F5045E	LON fan coil controller	No	0 - 10 V	No	LonWorks
SE7305F5045W	Wireless fan coil controller	No	0 - 10 V	No	Wireless
SE7305F5545	Stand-alone fan coil controller	No	0 - 10 V	Yes	Stand-alone (network ready)
SE7305F5545B	BACnet fan coil controller	No	0 - 10 V	Yes	BACnet
SE7305F5545E	LON fan coil controller	No	0 - 10 V	Yes	LonWorks
SE7305F5545W	Wireless fan coil controller	No	0 - 10 V	Yes	Wireless
SE7355C5045	Stand-alone fan coil controller	Yes	Floating or on/off	No	Stand-alone (network ready)
SE7355C5045B	BACnet fan coil controller	Yes	Floating or on/off	No	BACnet
SE7355C5045E	LON fan coil controller	Yes	Floating or on/off	No	LonWorks
SE7355C5045W	Wireless fan coil controller	Yes	Floating or on/off	No	Wireless
SE7355C5545	Stand-alone fan coil controller	Yes	Floating or on/off	Yes	Stand-alone (network ready)
SE7355C5545B	BACnet fan coil controller	Yes	Floating or on/off	Yes	BACnet
SE7355C5545E	LON fan coil controller	Yes	Floating or on/off	Yes	LonWorks
SE7355C5545W	Wireless fan coil controller	Yes	Floating or on/off	Yes	Wireless
SE7355F5045	Stand-alone fan coil controller	Yes	0 - 10 V	No	Stand-alone (network ready)
SE7355F5045B	BACnet fan coil controller	Yes	0 - 10 V	No	BACnet
SE7355F5045E	LON fan coil controller	Yes	0 - 10 V	No	LonWorks
SE7355F5045W	Wireless fan coil controller	Yes	0 - 10 V	No	Wireless
SE7355F5545	Stand-alone fan coil controller	Yes	0 - 10 V	Yes	Stand-alone (network ready)
SE7355F5545B	BACnet fan coil controller	Yes	0 - 10 V	Yes	BACnet
SE7355F5545E	LON fan coil controller	Yes	0 - 10 V	Yes	LonWorks
SE7355F5545W	Wireless fan coil controller	Yes	0 - 10 V	Yes	Wireless

SE7300 Series ordering

SE73 45

Humidity sensor and control:
 -0 = No humidity sensor
 -5 = Internal humidity sensor

PIR options:
 -50 = PIR ready but PIR cover not included
 -55 = Factory assembled with PIR cover

-ECM = For fan coil applications that have ECM motors

Example:
SE7355C5545B

- Fan coil
- Internal humidity sensor
- Hospitality
- Floating control
- Factory installed PIR cover
- Schneider Electric branded
- LON communications

Compatibility:
 -C = Floating or on/off digital control outputs
 -F = Analogue 0 - 10 VDC control outputs

Control key function:
 -0 = Override, for commercial applications
 -5 = °C/°F, for hotels/lodging applications

Communication options:
 -B = BACnet® MS/TP
 -E = Echelon®
 -W = Zigbee® wireless
 - = Network ready

* Some part number configurations may not be available. Please refer to the tables for available versions.



Check in to comfort. Check out the savings.

Hotel guest comfort meets energy savings
with SE7000 Series room controllers.



SE7300-ECM | ECM fan coil controllers - Coming soon!

More and more engineers are commonly specifying fan coil units that function with electronically commutated motors, which offer better energy efficiency and reduced operating costs. The SE7300 ECM fan coil controller allows you to capitalise on this additional energy savings by optimising fan control sequences of electronically commutated motors. The controller is optimised to offer full proportional operation versus the traditional three-speed tap operation. This wall-mounted controller features an easy-to-read digital display and built-in commissioning and configuration utility, temperature sensor and optional humidity and passive infrared occupancy sensor (PIR) cover.

Commercial interface (local override)



Part Number	Description	PIR Cover	Communication
SE7300F5045-ECM	Stand-alone ECM fan coil controller	No	Stand-alone (network ready)
SE7300F5045B-ECM	BACnet ECM fan coil controller	No	BACnet
SE7300F5045W-ECM	Wireless ECM fan coil controller	No	Wireless
SE7300F5545-ECM	Stand-alone ECM fan coil controller	Yes	Stand-alone (network ready)
SE7300F5545B-ECM	BACnet ECM fan coil controller	Yes	BACnet
SE7300F5545W-ECM	Wireless ECM fan coil controller	Yes	Wireless

Hotel/lodging interface (°C/°F selection)



Part Number	Description	PIR Cover	Communication
SE7305F5045-ECM	Stand-alone ECM fan coil controller	No	Stand-alone (network ready)
SE7305F5045B-ECM	BACnet ECM fan coil controller	No	BACnet
SE7305F5045W-ECM	Wireless ECM fan coil controller	No	Wireless
SE7305F5545-ECM	Stand-alone ECM fan coil controller	Yes	Stand-alone (network ready)
SE7305F5545B-ECM	BACnet ECM fan coil controller	Yes	BACnet
SE7305F5545W-ECM	Wireless ECM fan coil controller	Yes	Wireless

SER7300 Series ordering

SER73 A 45

Humidity sensor and control:
 -0 = No humidity sensor
 -5 = Internal humidity sensor

PIR options:
 -50 = PIR ready but PIR cover not included
 -55 = Factory assembled with PIR cover

Communication options:
 -B = BACnet® MS/TP
 -W = Zigbee® wireless
 - = Network ready

Example:

SER7305A5545B

- Line Voltage Fan Coil controller
- Internal Humidity Sensor
- Hotel/Lodging application, °C/°F
- Factory assembled with PIR cover
- BACnet® MS/TP communication

Control key function:

- 0 = Override, for commercial applications
- 5 = °C/°F, for hotels/lodging applications

* Some part number configurations may not be available. Please refer to the tables for available versions.

SER7300 and SCs | Fan coil terminal equipment controllers - Coming soon!

This new cost-effective solution for upgrading line-voltage fan coil unit thermostats requires only two components: the SER7300 terminal equipment controller and the SC3000 relay pack. This solution allows existing line voltage wiring between the fan coil unit and temperature controller to be re-used, reducing overall costs and installation time. The SC3000 relay pack features an onboard universal voltage power supply and line-voltage relays which directly drive fractional horsepower fan motors and valves. This eliminates the need to install and wire costly pilot relays and transformers.

Commercial interface (local override)



Part Number	Description	Humidity	PIR Cover	Communication
SER7300A5045	Stand-alone fan coil terminal equipment controller	No	No	Stand-alone (network ready)
SER7300A5045B	BACnet fancoil terminal equipment controller	No	No	BACnet
SER7300A5045W	Wireless fan coil terminal equipment controller	No	No	Wireless
SER7300A5545	Stand-alone fan coil terminal equipment controller	No	Yes	Stand-alone (network ready)
SER7300A5545B	BACnet fan coil terminal equipment controller	No	Yes	BACnet
SER7300A5545W	Wireless fan coil terminal equipment controller	No	Yes	Wireless
SER7350A5045	Stand-alone fan coil terminal equipment controller	Yes	No	Stand-alone (network ready)
SER7350A5045B	BACnet fancoil terminal equipment controller	Yes	No	BACnet
SER7350A5045W	Wireless fan coil terminal equipment controller	Yes	No	Wireless
SER7350A5545	Stand-alone fan coil terminal equipment controller	Yes	Yes	Stand-alone (network ready)
SER7350A5545B	BACnet fan coil terminal equipment controller	Yes	Yes	BACnet
SER7350A5545W	Wireless fan coil terminal equipment controller	Yes	Yes	Wireless

Hotel/lodging interface (°C/°F selection)



Part Number	Description	Humidity	PIR Cover	Communication
SER7305A5045	Stand-alone fan coil terminal equipment controller	No	No	Stand-alone (network ready)
SER7305A5045B	BACnet fancoil terminal equipment controller	No	No	BACnet
SER7305A5045W	Wireless fan coil terminal equipment controller	No	No	Wireless
SER7305A5545	Stand-alone fan coil terminal equipment controller	No	Yes	Stand-alone (network ready)
SER7305A5545B	BACnet fan coil terminal equipment controller	No	Yes	BACnet
SER7305A5545W	Wireless fan coil terminal equipment controller	No	Yes	Wireless
SER7355A5045	Stand-alone fan coil terminal equipment controller	Yes	No	Stand-alone (network ready)
SER7355A5045B	BACnet fancoil terminal equipment controller	Yes	No	BACnet
SER7355A5045W	Wireless fan coil terminal equipment controller	Yes	No	Wireless
SER7355A5545	Stand-alone fan coil terminal equipment controller	Yes	Yes	Stand-alone (network ready)
SER7355A5545B	BACnet fan coil terminal equipment controller	Yes	Yes	BACnet
SER7355A5545W	Wireless fan coil terminal equipment controller	Yes	Yes	Wireless

Transformer relay packs for fan coil units



Part Number	Description
SC3300E5045	Transformer relay pack five relay outputs
SC3400E5045	Transformer relay pack five relay outputs, and four inputs
SC3404E5045	Transformer relay pack five relay outputs, smart VDC OCC output, and four inputs
SC3500E5045	Transformer relay pack four relay outputs and smart VDC output
SC3504E5045	Transformer relay pack four relay outputs, smart VDC output, and four inputs
SC3514E5045	Transformer relay pack three slave fan outputs

Wireless accessories for SER7300 Series



Part Number	Description
VWA5000D5045W	Wireless door switch
VWA5000W5045W	Wireless window switch

SE7600A and SE7600B | Roof top controllers

Primarily designed for use in small to mid-sized commercial building applications, SE7600 Series room controllers can be installed in any building using a standard roof top or heat pump unit with a requirement for advanced fresh air control. Capable of controlling economiser-free cooling and demand-based ventilation strategies, the SE7600 Series provides fresh air measurement input right out of the box.



Part Number	Description	Scheduling	Economiser	Heat/Cool Stages	Humidity	PIR Cover	Communication
SE7600A5045	Stand-alone roof top controller	No	No	1H/1C	No	No	Stand-alone (network ready)
SE7600A5045B	BACnet roof top controller	No	No	1H/1C	No	No	BACnet
SE7600A5045E	LON roof top controller	No	No	1H/1C	No	No	LonWorks
SE7600A5045W	Wireless roof top controller	No	No	1H/1C	No	No	Wireless
SE7600A5545	Stand-alone roof top controller	No	No	1H/1C	No	Yes	Stand-alone (network ready)
SE7600A5545B	BACnet roof top controller	No	No	1H/1C	No	Yes	BACnet
SE7600A5545E	LON roof top controller	No	No	1H/1C	No	Yes	LonWorks
SE7600A5545W	Wireless roof top controller	No	No	1H/1C	No	Yes	Wireless
SE7600B5045	Stand-alone roof top controller	No	No	2H/2C	No	No	Stand-alone (network ready)
SE7600B5045B	BACnet roof top controller	No	No	2H/2C	No	No	BACnet
SE7600B5045E	LON roof top controller	No	No	2H/2C	No	No	LonWorks
SE7600B5045W	Wireless roof top controller	No	No	2H/2C	No	No	Wireless
SE7600B5545	Stand-alone roof top controller	No	No	2H/2C	No	Yes	Stand-alone (network ready)
SE7600B5545B	BACnet roof top controller	No	No	2H/2C	No	Yes	BACnet
SE7600B5545E	LON roof top controller	No	No	2H/2C	No	Yes	LonWorks
SE7600B5545W	Wireless roof top controller	No	No	2H/2C	No	Yes	Wireless
SE7605B5045	Stand-alone roof top controller	No	Yes	2H/2C	No	No	Stand-alone (network ready)
SE7605B5045B	BACnet roof top controller	No	Yes	2H/2C	No	No	BACnet
SE7605B5045E	LON roof top controller	No	Yes	2H/2C	No	No	LonWorks
SE7605B5045W	Wireless roof top controller	No	Yes	2H/2C	No	No	Wireless
SE7605B5545	Stand-alone roof top controller	No	Yes	2H/2C	No	Yes	Stand-alone (network ready)
SE7605B5545B	BACnet roof top controller	No	Yes	2H/2C	No	Yes	BACnet
SE7605B5545E	LON roof top controller	No	Yes	2H/2C	No	Yes	LonWorks
SE7605B5545W	Wireless roof top controller	No	Yes	2H/2C	No	Yes	Wireless
SE7607B5045	Stand-alone roof top controller	No	No	2H/2C	Yes	No	Stand-alone (network ready)
SE7607B5045B	BACnet roof top controller	No	No	2H/2C	Yes	No	BACnet
SE7607B5045E	LON roof top controller	No	No	2H/2C	Yes	No	LonWorks
SE7607B5045W	Wireless roof top controller	No	No	2H/2C	Yes	No	Wireless
SE7607B5545	Stand-alone roof top controller	No	No	2H/2C	Yes	Yes	Stand-alone (network ready)
SE7607B5545B	BACnet roof top controller	No	No	2H/2C	Yes	Yes	BACnet
SE7607B5545E	LON roof top controller	No	No	2H/2C	Yes	Yes	LonWorks
SE7607B5545W	Wireless roof top controller	No	No	2H/2C	Yes	Yes	Wireless

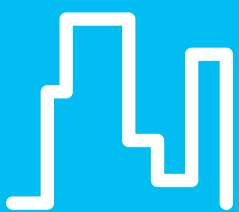
SE7600A and SE7600B continues >>

SE7600A and SE7600B | Roof top controllers



Part Number	Description	Scheduling	Economiser	Heat/Cool Stages	Humidity	PIR Cover	Communication
SE7652A5045	Stand-alone roof top controller	Yes	No	1H/1C	No	No	Stand-alone (network ready)
SE7652A5045B	BACnet roof top controller	Yes	No	1H/1C	No	No	BACnet
SE7652A5045E	LON roof top controller	Yes	No	1H/1C	No	No	LonWorks
SE7652A5045W	Wireless roof top controller	Yes	No	1H/1C	No	No	Wireless
SE7652A5545	Stand-alone roof top controller	Yes	No	1H/1C	No	Yes	Stand-alone (network ready)
SE7652A5545B	BACnet roof top controller	Yes	No	1H/1C	No	Yes	BACnet
SE7652A5545E	LON roof top controller	Yes	No	1H/1C	No	Yes	LonWorks
SE7652A5545W	Wireless roof top controller	Yes	No	1H/1C	No	Yes	Wireless
SE7652B5045	Stand-alone roof top controller	Yes	No	2H/2C	No	No	Stand-alone (network ready)
SE7652B5045B	BACnet roof top controller	Yes	No	2H/2C	No	No	BACnet
SE7652B5045E	LON roof top controller	Yes	No	2H/2C	No	No	LonWorks
SE7652B5045W	Wireless roof top controller	Yes	No	2H/2C	No	No	Wireless
SE7652B5545	Stand-alone roof top controller	Yes	No	2H/2C	No	Yes	Stand-alone (network ready)
SE7652B5545B	BACnet roof top controller	Yes	No	2H/2C	No	Yes	BACnet
SE7652B5545E	LON roof top controller	Yes	No	2H/2C	No	Yes	LonWorks
SE7652B5545W	Wireless roof top controller	Yes	No	2H/2C	No	Yes	Wireless
SE7656B5045	Stand-alone roof top controller	Yes	Yes	2H/2C	No	No	Stand-alone (network ready)
SE7656B5045B	BACnet roof top controller	Yes	Yes	2H/2C	No	No	BACnet
SE7656B5045E	LON roof top controller	Yes	Yes	2H/2C	No	No	LonWorks
SE7656B5045W	Wireless roof top controller	Yes	Yes	2H/2C	No	No	Wireless
SE7656B5545	Stand-alone roof top controller	Yes	Yes	2H/2C	No	Yes	Stand-alone (network ready)
SE7656B5545B	BACnet roof top controller	Yes	Yes	2H/2C	No	Yes	BACnet
SE7656B5545E	LON roof top controller	Yes	Yes	2H/2C	No	Yes	LonWorks
SE7656B5545W	Wireless roof top controller	Yes	Yes	2H/2C	No	Yes	Wireless
SE7657B5045	Stand-alone roof top controller	Yes	No	2H/2C	Yes	No	Stand-alone (network ready)
SE7657B5045B	BACnet roof top controller	Yes	No	2H/2C	Yes	No	BACnet
SE7657B5045E	LON roof top controller	Yes	No	2H/2C	Yes	No	LonWorks
SE7657B5045W	Wireless roof top controller	Yes	No	2H/2C	Yes	No	Wireless
SE7657B5545	Stand-alone roof top controller	Yes	No	2H/2C	Yes	Yes	Stand-alone (network ready)
SE7657B5545B	BACnet roof top controller	Yes	No	2H/2C	Yes	Yes	BACnet
SE7657B5545E	LON roof top controller	Yes	No	2H/2C	Yes	Yes	LonWorks
SE7657B5545W	Wireless roof top controller	Yes	No	2H/2C	Yes	Yes	Wireless

Schneider Electric SE7000 Series room controllers offer simple yet elegant high-performance product features that deliver proven solutions to existing mid-market opportunities with the added benefit of providing significant energy savings.



Building



Efficient control



Green energy

SE7600H | Heat pump controllers

Primarily designed for use in small to mid-sized commercial building applications, SE7600 Series room controllers can be installed in any building using a standard roof top or heat pump unit with a requirement for advanced fresh air control. Capable of controlling economiser-free cooling and demand-based ventilation strategies, the SE7600 Series provides fresh air measurement input right out of the box.



Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
SE7600H5045	Stand-alone heat pump controller	No	3H/2C	No	Stand-alone (network ready)
SE7600H5045B	BACnet heat pump controller	No	3H/2C	No	BACnet
SE7600H5045E	LON heat pump controller	No	3H/2C	No	LonWorks
SE7600H5045W	Wireless heat pump controller	No	3H/2C	No	Wireless
SE7600H5545	Stand-alone heat pump controller	No	3H/2C	Yes	Stand-alone (network ready)
SE7600H5545B	BACnet heat pump controller	No	3H/2C	Yes	BACnet
SE7600H5545E	LON heat pump controller	No	3H/2C	Yes	LonWorks
SE7600H5545W	Wireless heat pump controller	No	3H/2C	Yes	Wireless
SE7652H5045	Stand-alone heat pump controller	Yes	3H/2C	No	Stand-alone (network ready)
SE7652H5045B	BACnet heat pump controller	Yes	3H/2C	No	BACnet
SE7652H5045E	LON heat pump controller	Yes	3H/2C	No	LonWorks
SE7652H5045W	Wireless heat pump controller	Yes	3H/2C	No	Wireless
SE7652H5545	Stand-alone heat pump controller	Yes	3H/2C	Yes	Stand-alone (network ready)
SE7652H5545B	BACnet heat pump controller	Yes	3H/2C	Yes	BACnet
SE7652H5545E	LON heat pump controller	Yes	3H/2C	Yes	LonWorks
SE7652H5545W	Wireless heat pump controller	Yes	3H/2C	Yes	Wireless

SE7600E | Indoor air quality controllers - Coming soon!

Indoor air quality is increasingly becoming a major concern to businesses, building managers, tenants, and employees because of its direct impact on the comfort, well-being, and productivity of the building's occupants. The SE7600E indoor air quality controller, along with a CO2 sensor, is a cost-effective solution capable of controlling economiser-free cooling and demand-based ventilation strategies, while providing a fresh air measurement input. When connected to a building automation system, the controller can monitor and verify the CO2 and fresh air levels, ensuring optimal air quality and energy efficiency.



Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
SE7606E5045	Stand-alone IAQ controller	No	2H/2C	No	Stand-alone (network ready)
SE7606E5045B	BACnet IAQ controller	No	2H/2C	No	BACnet
SE7606E5045W	Wireless IAQ controller	No	2H/2C	No	Wireless
SE7606E5545	Stand-alone IAQ controller	No	2H/2C	Yes	Stand-alone (network ready)
SE7606E5545B	BACnet IAQ controller	No	2H/2C	Yes	BACnet
SE7606E5545W	Wireless IAQ controller	No	2H/2C	Yes	Wireless
SE7656E5045	Stand-alone IAQ controller	Yes	2H/2C	No	Stand-alone (network ready)
SE7656E5045B	BACnet IAQ controller	Yes	2H/2C	No	BACnet
SE7656E5045W	Wireless IAQ controller	Yes	2H/2C	No	Wireless
SE7656E5545	Stand-alone IAQ controller	Yes	2H/2C	Yes	Stand-alone (network ready)
SE7656E5545B	BACnet IAQ controller	Yes	2H/2C	Yes	BACnet
SE7656E5545W	Wireless IAQ controller	Yes	2H/2C	Yes	Wireless

SE7600F | Roof top controllers for modulating heat - Coming soon!

The new SE7600F roof top terminal equipment controller with modulating heat can make your building more comfortable while still meeting the ventilation codes for minimum building fresh air requirements. The easy-to-install SE7600F includes modulating heat functionality, which allows the addition of an extra supply air temperature control loop to better control and condition the supply air levels for a more comfortable occupant environment.



Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
SE7600F5045	Stand-alone modulating heat controller	No	1H (analogue)/2C	No	Stand-alone (network ready)
SE7600F5045B	BACnet modulating heat controller	No	1H (analogue)/2C	No	BACnet
SE7600F5045W	Wireless modulating heat controller	No	1H (analogue)/2C	No	Wireless
SE7600F5545	Stand-alone modulating heat controller	No	1H (analogue)/2C	Yes	Stand-alone (network ready)
SE7600F5545B	BACnet modulating heat controller	No	1H (analogue)/2C	Yes	BACnet
SE7600F5545W	Wireless modulating heat controller	No	1H (analogue)/2C	Yes	Wireless
SE7652F5045	Stand-alone modulating heat controller	Yes	1H (analogue)/2C	No	Stand-alone (network ready)
SE7652F5045B	BACnet modulating heat controller	Yes	1H (analogue)/2C	No	BACnet
SE7652F5045W	Wireless modulating heat controller	Yes	1H (analogue)/2C	No	Wireless
SE7652F5545	Stand-alone modulating heat controller	Yes	1H (analogue)/2C	Yes	Stand-alone (network ready)
SE7652F5545B	BACnet modulating heat controller	Yes	1H (analogue)/2C	Yes	BACnet
SE7652F5545W	Wireless modulating heat controller	Yes	1H (analogue)/2C	Yes	Wireless

SE7600 Series ordering

SE76 45

Programmability:

- 0 = No local scheduling / non programmable
- 5 = Local scheduling / proramable

PIR options:

- 50 = PIR ready but PIR cover not included
- 55 = Factory assembled with PIR cover

Communication options:

- B = BACnet® MS/TP
- E = Echelon®
- W = Zigbee® wireless
- = Network ready

Economiser / Humidity control:

- 0 = No local scheduling / Non programmable
- 2 = Local scheduling / Programmable
- 5 = With economiser no local scheduling / Non programmable
- 6 = With economiser local scheduling / Programmable
- 7 = With Humidification / Dehumidification control

Compatibility:

- A = 1H / 1C roof top unit applications
- B = 2H / 2C roof top unit applications
- E = 2H / 2C IAQ applications
- F = 1H / 2C modulating heat applications
- H = 3H / 2C heat pump applications
- W = 2H / 2C water source heat pump applications

Example:

SE7652H5045E

- Roof Top Controller
- No local scheduling or programming
- 2H / 2C Application
- PIR Ready
- Zigbee® wireless communication

* Some part number configurations may not be available. Please refer to the tables for available versions.

SE7600W | Water source heat pump controllers - Coming soon!

The new SE7600W water source heat pump controller (with dedicated dehumidification sequences) provides exceptional control of water source heat pumps for commercial buildings. Common indoor air quality issues such as mold, mildew, condensation, poor occupant comfort, and overall building health can be effectively resolved in an energy-efficient manner. Simple to install and commission, this wall-mounted device monitors water temperature, as well as other points, offering added value without the additional costs related to more complex systems.



Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
SE7600W5045	Stand-alone water source heat pump controller	No	2H/2C	No	Stand-alone (network ready)
SE7600W5045B	BACnet water source heat pump controller	No	2H/2C	No	BACnet
SE7600W5045W	Wireless water source heat pump controller	No	2H/2C	No	Wireless
SE7600W5545	Stand-alone water source heat pump controller	No	2H/2C	Yes	Stand-alone (network ready)
SE7600W5545B	BACnet water source heat pump controller	No	2H/2C	Yes	BACnet
SE7600W5545W	Wireless water source heat pump controller	No	2H/2C	Yes	Wireless
SE7652W5045	Stand-alone water source heat pump controller	Yes	2H/2C	No	Stand-alone (network ready)
SE7652W5045B	BACnet water source heat pump controller	Yes	2H/2C	No	BACnet
SE7652W5045W	Wireless water source heat pump controller	Yes	2H/2C	No	Wireless
SE7652W5545	Stand-alone water source heat pump controller	Yes	2H/2C	Yes	Stand-alone (network ready)
SE7652W5545B	BACnet water source heat pump controller	Yes	2H/2C	Yes	BACnet
SE7652W5545W	Wireless water source heat pump controller	Yes	2H/2C	Yes	Wireless

SE7682S | Wireless central manager - Coming soon!

With wireless central managers customers benefit from simple yet flexible management of multiple equipment controllers from one convenient location. Facility managers can now efficiently administer parameters for up to 60 room controllers with one wireless central manager, saving both time and effort.

Wireless central manager



Part Number	Description	Communication
SE7682S5045W	Wireless central manager	Wireless

SEZ7260 Series ordering

SEZ7260 □ □ □ **45** □

PIR options:
 -50 = PIR ready but PIR cover not included
 -55 = Factory assembled with PIR cover

Control Output Type:
 -C = Floating or on/off digital control outputs
 -F = Analogue 0 - 10 VDC control outputs

Communication options:
 -B = BACnet® MS/TP
 -W = Zigbee® wireless

Example:
SEZ7260F5545B

- Zoning System Controller
- Analogue outputs
- Factory assembled PIR cover
- BACnet® MS/TP communication

* Some part number configurations may not be available. Please refer to the tables for available versions.

SEZ7656 Series ordering

SEZ7656 □ □ □ **45** □

PIR options:
 -50 = PIR ready but PIR cover not included
 -55 = Factory assembled with PIR cover

Communication options:
 -E = 2H / 2C IAQ applications
 -F = 1H / 2C modulating heat applications
 -H = 3H / 2C heat pump applications
 -R = 2H / 2C roof top applications
 -W = 2H / 2C water source heat pump applications

Communication options:
 -B = BACnet® MS/TP
 -W = Zigbee® wireless

Example:
SEZ7656E5045W

- Zoning System Controller
- 2H / 2C IAQ application
- PIR Ready
- Zigbee® wireless communication

* Some part number configurations may not be available. Please refer to the tables for available versions.

SEZ7000 | Commercial zoning systems - Coming soon!

The SEZ commercial zoning system has been specifically designed to bring a simple scalable solution to mid-market commercial applications without the cost associated with a typical DDC zoning system. Models include roof top and heat pump units controlling analogue heat, CO2 levels, and indoor air quality. Zoning controllers that provide floating and analogue damper control are also available. A single central controller unit can support up to 64 individual zone controllers.

All zoning system controllers can be ordered with an on-board passive infrared (PIR) occupancy sensor cover that allows for advanced occupancy strategies, enabling greater energy savings to zones during scheduled events when no occupants are present.

Commercial zoning system - zone controllers



Part Number	Description	Output	PIR Cover	Communication
SEZ7260C5045B	BACnet zoning controller	Floating or on/off	No	BACnet
SEZ7260C5045W	Wireless zoning controller	Floating or on/off	No	Wireless
SEZ7260C5545B	BACnet zoning controller	Floating or on/off	Yes	BACnet
SEZ7260C5545W	Wireless zoning controller	Floating or on/off	Yes	Wireless
SEZ7260F5045B	BACnet zoning controller	0 -10 V	No	BACnet
SEZ7260F5045W	Wireless zoning controller	0 -10 V	No	Wireless
SEZ7260F5545B	BACnet zoning controller	0 -10 V	Yes	BACnet
SEZ7260F5545W	Wireless zoning controller	0 -10 V	Yes	Wireless

Commercial zoning system - roof top controllers



Part Number	Description	IAQ	Economiser	Modulating Heat	Communication
SEZ7656E5045B	BACnet roof top controller	Yes	Yes	No	BACnet
SEZ7656E5045W	Wireless roof top controller	Yes	Yes	No	Wireless
SEZ7656F5045B	BACnet roof top controller	No	No	Yes	BACnet
SEZ7656F5045W	Wireless roof top controller	No	No	Yes	Wireless
SEZ7656R5045B	BACnet roof top controller	No	No	No	BACnet
SEZ7656R5045W	Wireless roof top controller	No	No	No	Wireless

Commercial zoning system - heat pump controllers



Part Number	Description	Water Source	Communication
SEZ7656H5045B	Bacnet heat pump unit controller	No	BACnet
SEZ7656H5045W	Wireless heat pump unit controller	No	Wireless
SEZ7656W5045B	Bacnet heat pump controller	Yes	BACnet
SEZ7656W5045W	Wireless heat pump controller	Yes	Wireless

Wireless accessories and specifications

Wireless integration

The wireless versions of the SE7000 provide a simple yet powerful solution which targets such retrofit installations where running new communication wiring is cost prohibitive. The wireless room controllers can dramatically reduce project installation costs by re-using the existing control wiring already in place between older electronic thermostats and the terminal equipment. No new network wires are required since the controllers rely on a fully integrated ZigBee® wireless mesh network infrastructure. Connecting wireless SE7000 series devices into an iBMS network is made easy with two integration methods, either via a gateway or a wireless serial adapter.

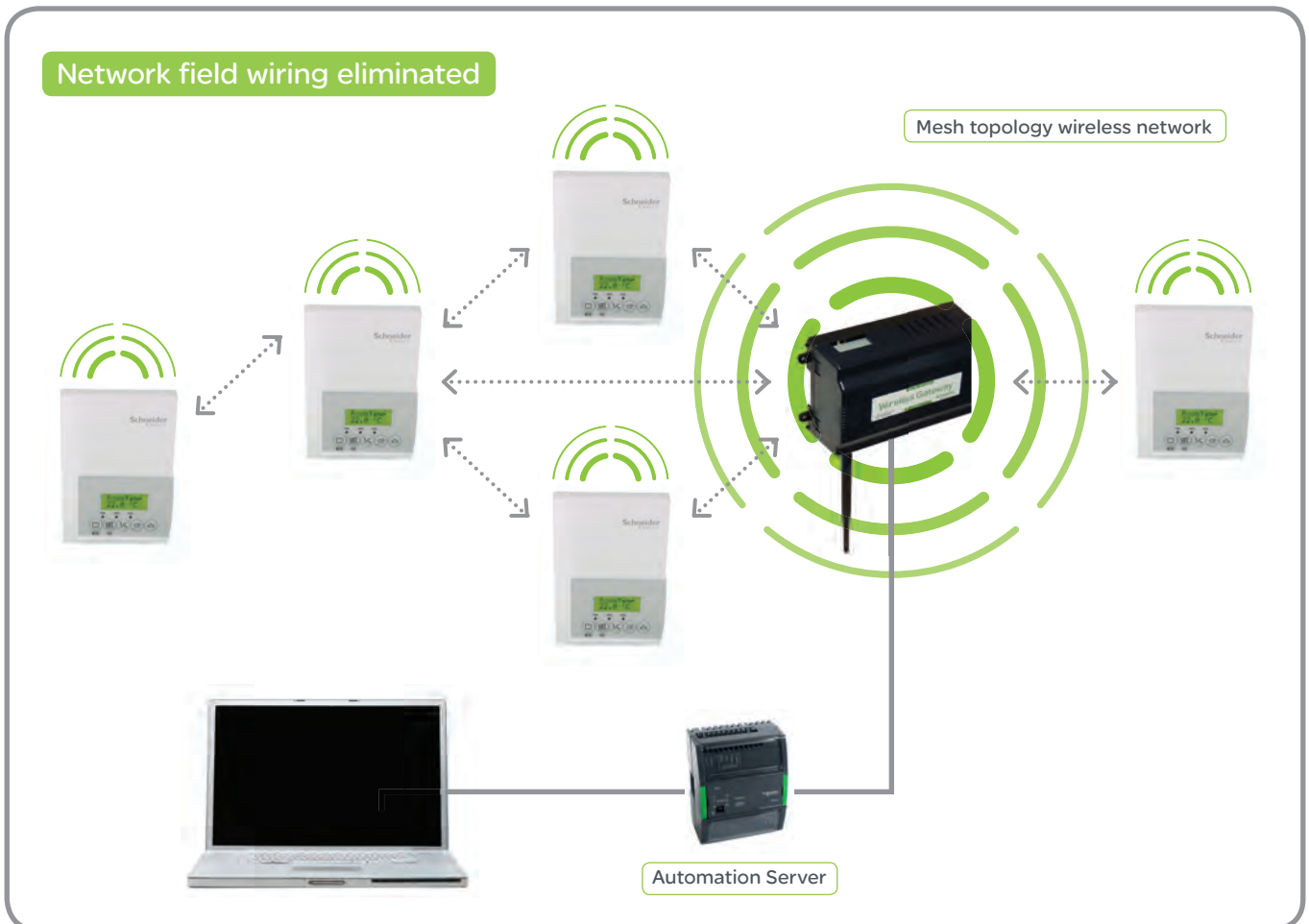
Wireless gateway

The VWG-50-5045 gateway connects up to 50 wireless SE7000 devices to an iBMS network using a BACnet® MS/TP or BACnet® IP connection.





Part Number	Description
VWG-50-5045	Wireless gateway*
VWG-PS-AC-1045	Universal AC power supply (100-240 VAC to 15 VDC)

* The VWG-50-5045 does not come with a power supply. A VWG-PS power supply will be required for each gateway.

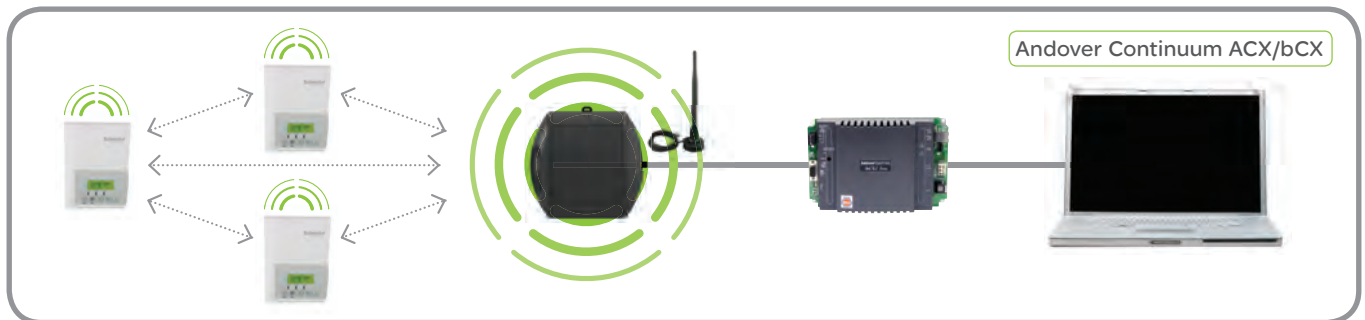
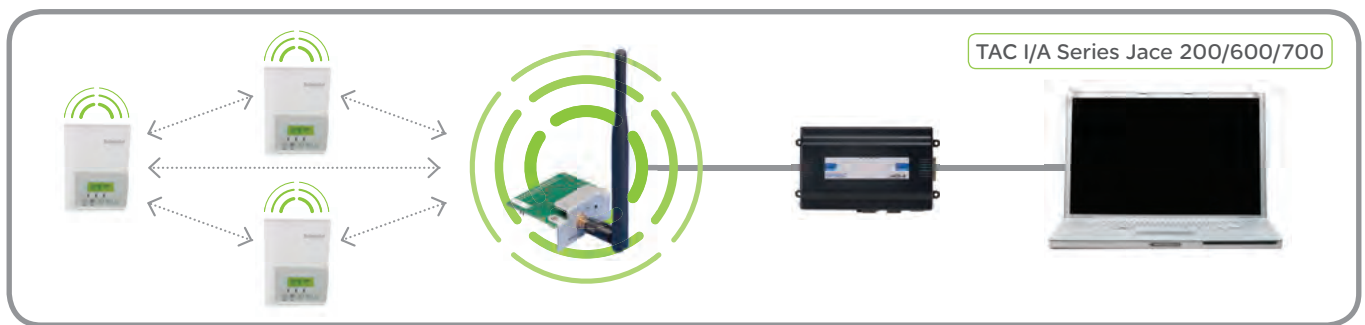


Wireless serial adapters


Connecting wireless SE7000 devices to an iBMS network can be simplified by adding a wireless module to existing network controllers. This is a more cost-effective solution.

	Part Number	Description
	VWG-APP-1045	Wireless serial adapter for TAC I/A Series JACE-200/600/700
	VWG-EPP-1045	Wireless serial adapter for Andover Continuum ACX/bCX ¹ or TAC I/A Series ENC-520 ²

- 1 – For Andover Continuum ACX with RS-485, an external RS-232 to RS-485 adapter is required.
 2 – For TAC I/A Series ENC-520 applications, a CBL-xxx is required.



Wireless accessories

	Part Number	Description
	VWP5000W1045W	Wireless repeater
	VST5000W5045W	Wireless survey tool
	VWG-BB-1045	Battery backup
	VWG-RA-1045	Remote antenna
	VWG-WA-1045	Whip antenna

Wireless specs

Wireless gateway



Platform	
	PowerPC 405EP 250 MHz processor
	64MB SDRAM & 64 MB serial flash
	128 KB static RAM
	Battery Backup - 5 minutes typical - shutdown begins within 10 seconds
	Real-time clock - 3 month backup max via battery
Operating system	
	QNX RTOS
	IBM J9 JVM Java Virtual Machine
	NiagaraAX
Communications	
	2 Ethernet Ports – 10/100 Mbps (RJ-45 Connectors)
	1 RS 232 Port (9 pin D-shell connector)
	1 RS 485 non isolated port (3 Screw connector on baseboard)
Environment	
	Operating temperature range: 0° to 50°C (32°F to 122°F)
	Storage temperature range: 0° to 60°C (32°F to 140°F)
	Relative humidity range: 5% to 95%, non-condensing
Agency listings	
	UL 916, C-UL listed to Canadian Standards Association
	(CSA) C22.2 No. 205-M1983 “signal equipment”
	CE, FCC part 15 Class A
	C-tick (Australia)
Power supply	
	VWG-PS-DC 24 VAC to 15 VDC panel mounted power supply for VWG
	VWG-PS-AC 120 VAC to 15 VDC power supply for VWG with cord
Chassis	
	Construction: Plastic, din rail or screw mount chassis, plastic cover
	Cooling: Internal air convection
	Dimensions: 160.4mm (6.313”) W x 122.4mm (4.820”) H (including connectors) x 61.9mm (2.438”) D

Accessories and specifications

From wired to wireless systems, remote sensors to communication boards and covers, SE7000 Series room controllers can be tailored for any application-specific needs.

Covers

SE7000 Series room controllers are compatible with passive infrared cover accessories. Room controllers equipped with a passive infrared cover provide advanced active occupancy logic, which will automatically switch occupancy levels from “occupied” to “stand-by” and “unoccupied” as appropriate. This built-in intelligence provides energy savings during occupied hours without sacrificing occupant comfort.



Part Number	Description	Compatibility
COV-PIR-ZN-5045	PIR cover for zoning controllers	SE7200 models
COV-PIR-FCU-C-5045	PIR cover for fan coil controllers (commercial)	SE7300 models (commercial)
COV-PIR-FCU-L-5045	PIR cover for fan coil controllers (hotel/lodging)	SE7300 models (hotel/lodging)
COV-PIR-RTUHP-5045	PIR cover for roof top/heat pump controllers	SE7600 models

Remote sensors

Our discreet line of wall mount room sensors is used for advanced room temperature sensing. Each model is equipped with three thermistors and two dip switches for various averaging combinations, with a temporary override key and an occupancy LED available in the advanced model.



Part Number	Description
SE3010W1045	Room sensor
SE3020W1045	Room sensor w/override

Communication boards

SE7000 Series room controllers are network ready, designed to accept the addition of communication. With a network card available for field upgrade, your system can be networked to an integrated building management system for the most advanced control and functionality.



Part Number	Description	Compatibility
VCM7000V5045W	Wireless communication card	SE7000 Series room controllers
VCM7300V5045B	BACnet communication card	SE7200/SE7300 Series room controllers
VCM7300V5045E	LON communication card	SE7200/SE7300 Series room controllers
VCM7600V5045B	BACnet communication card	SE7600 Series room controllers
VCM7600V5045E	LON communication card	SE7600 Series room controllers
VCM7607V5045B	BACnet communication card	SE76x7 room controllers (with humidity option)
VCM7607V5045E	LON communication card	SE76x7 room controllers (with humidity option)

Specs



	SE7200	SE7300	SE7600
Agency approval	CE, C-Tick, UL	CE, C-Tick, UL	CE, C-Tick, UL
Weight	0.34 kg (0.75 lb)	0.34 kg (0.75 lb)	0.34 kg (0.75 lb)
Dimensions (H x W x D)			
Non-PIR model	125mm x 87mm x 30mm (4.92" x 3.41" x 1.16")	125mm x 87mm x 30mm (4.92" x 3.41" x 1.16")	125mm x 87mm x 30mm (4.92" x 3.41" x 1.16")
PIR model	125mm x 87mm x 38mm (4.92" x 3.41" x 1.47")	125mm x 87mm x 38mm (4.92" x 3.41" x 1.47")	125mm x 87mm x 38mm (4.92" x 3.41" x 1.47")
Power supply	10-30 VAC (50/60Hz)	10-30 VAC (50/60Hz)	10-30 VAC (50/60Hz)
Outputs			
Analogue	0-10 VDC	0-10 VDC	0-10 VDC
Triac	30 VAC, 1 Amp	30 VAC, 1 Amp	30 VAC, 1 Amp
Operating conditions	0° - 50°C (32° - 122°F) 0 - 95% RH (Non-condensing)	0° - 50°C (32° - 122°F) 0 - 95% RH (Non-condensing)	0° - 50°C (32° - 122°F) 0 - 95% RH (Non-condensing)
Temperature sensor type	10K Type 2	10K Type 2	10K Type 2
Temperature sensor accuracy	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F)	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F)	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F)
Humidity sensor type*	N/A	Single point calibrated bulk polymer type sensor	Single point calibrated bulk polymer type sensor
Humidity sensor read range*	N/A	10 - 90% RH (Non-condensing)	10 - 90% RH (Non-condensing)
Humidity sensor accuracy*	N/A	±5% @ 20 - 80% RH (Non-condensing)	±5% @ 20 - 80% RH (Non-condensing)
Dehumidification setpoint range*	N/A	30 to 95% RH	30 to 95% RH
Economiser accuracy*	N/A	N/A	±3% typical

* Available with selected models.

Remote sensor specs



Operating conditions	0°C to 50°C (32°F to 122°F) 0% to 95% R.H. non-condensing
Storage conditions	-30°C to 50°C (-22°F to 122°F) 0% to 95% R.H. non-condensing
Dimensions	125mm x 87mm x 30mm (4.92" x 3.41" x 1.16")
Approximate shipping weight	155 grams (0.34 lbs)
Enclosure material	ABS - FRI [WT1337V] UV stabilised



Energy savings for a healthy bottom line.

Increase the comfort of patients, visitors, and employees while reducing energy consumption with SE7000 Series room controllers.





Healthcare

Gain full room control of your environment, whether it's a patient room, waiting room, or anywhere within your facility. The SE7000 Series gives you the flexibility to customise and configure based on your needs.



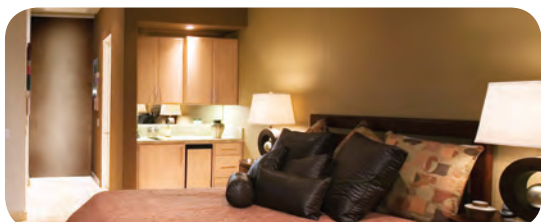
Retail

Enhance your system operation and efficiency with SE7000 Series room controllers. From a stand-alone device to simplified building management, our room controllers are ideal for your ever-changing location.



Education

Whether it's a large campus with multiple buildings or a single primary school, the SE7000 Series allows for scalability to control a wide variety of environments through occupied and unoccupied periods.



Hotels/lodging

Guest comfort meets energy efficiency with the SE7000 Series. The intuitive user interface allows guests to control their own environments while our occupancy sensor and simple programming ensure efficiency.



Commerical buildings

The SE7000 Series room controllers allow users to save costs and energy while providing a comfortable environment for maximum productivity. The system can be modified on site to match your specific energy conservation needs.



For more information, please visit www.schneider-electric.com

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