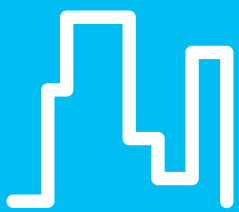


# Product Comparison Guide

SE8000 and SE7000 Series Room Controllers



Schneider Electric Room  
Controllers bridge the gap  
between the cost of stand-alone  
thermostats, and the performance  
of DDC systems, by simplifying  
installation and commissioning,  
to control Rooftop units, fan coil  
units, terminal units and heat  
pump applications, for a wide  
variety of facilities.....



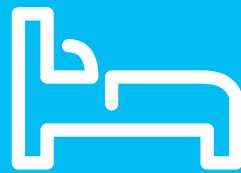
Commercial



Retail



Healthcare



Hotels



Education

# SE8000 or SE7000

## Common features

### Easy to install

No need to interrupt operations when installing room controllers. You can re-use existing wiring or communicate wirelessly to sensors and gateways, thereby lowering installation costs and keeping downtime in check.

### Precise comfort

Room controllers look like thermostats, but work like controllers. They deliver the optimal level of comfort while maximizing savings on energy and operational costs.

### Easy to commission

No need for software or other tools. Commissioning is done by configuration through the user interface of the room controller, thereby saving on engineering time and cost.

### Powerful control

Get the most out of your HVAC systems with the application-specific control and PID algorithms native to room controllers. You can also optimize your space by using the optional occupancy detection and

scheduling features.

### Easy to scale

The native connectivity of room controllers enables upstream connection to a wide variety of Building Management Systems (BMS), and downstream connection to wired and wireless sensors.

### Significant savings

Room controllers provide an accelerated return on investment with savings at all levels: installation, commissioning, energy optimization, and maintenance.



Optional on-board relative humidity sensor

Optional on-board PIR motion sensor



The power to choose for customers who need more.

- > Over 70 design combinations with selectable casings, fascias, and display color schemes, to match any décor.
- > Customizable user interface, selectable languages, and advanced BACnet messaging for an unparalleled guest experience.
- > Highlight your brand by uploading a custom standby image or logo on the user interface.
- > Programmable with Lua4RC to modify control sequences, or override inputs and outputs.

Simply the most cost-effective option on the market.

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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.





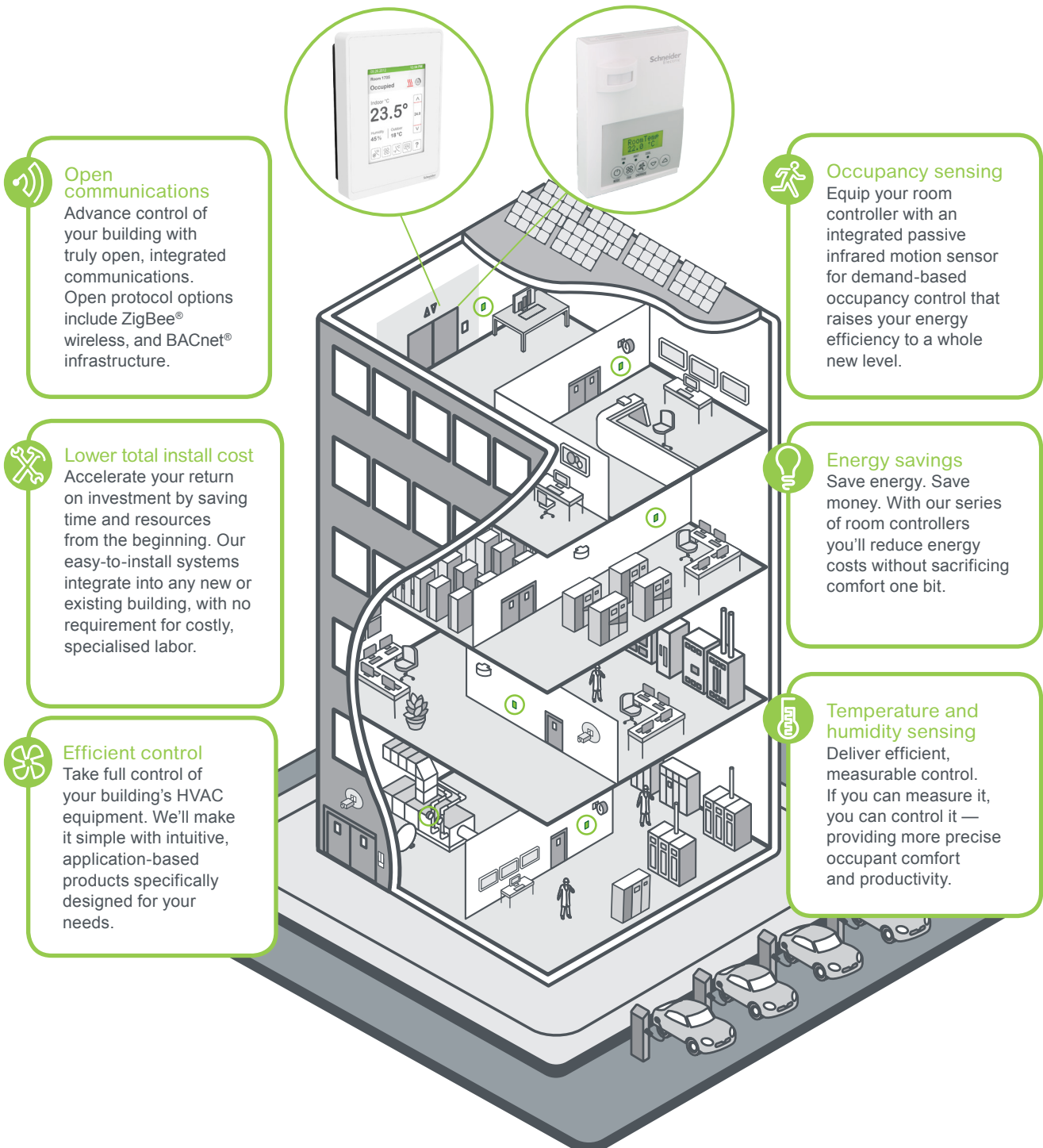
# Reduce energy waste & improve comfort.

Accelerate your return on investment with easy to install and commission 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, Schneider Electric has the ideal, cost-competitive solution. Our 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.



# SE8000 Series Room Controllers

## The perfect balance between simplicity and sophistication

The SE8000 Series is a sophisticated addition to the Schneider Electric product portfolio of room controllers. With rich, customizable features, the SE8000 Series enables significant energy savings with accurate temperature control in any space. The SE8000 room controllers can be easily integrated into most Building Management Systems (BMS).

**Configurable languages**





**Configurable color schemes**



**Configurable user interface**



**Common features**

- Configurable sequence of operations
- BACnet COV
- Scheduler
- Programmable with Lua4RC to modify control sequences or override inputs and outputs
- Optional on-board relative humidity sensor with dehumidification control sequences
- Optional on-board PIR motion sensor with occupancy-based control sequences

**Orderable Fascias**



SER8300 Series (with SC3000)	SE8300 Series	SE8600 Series
<p>➤ Line voltage fan coil units</p>	<p>➤ Low voltage fan coil units</p> <p>➤ Mixed voltage fan coil units</p> <p>➤ Zone control</p>	<p>➤ Rooftop units</p> <p>➤ Heat pumps</p> <p>➤ Indoor air quality</p>
<p><b>Line voltage fan coil units</b></p> <ul style="list-style-type: none"> <li>• Requires SC3000 relay pack</li> <li>• Fan speed and sequence of operation</li> <li>• Two pipe</li> <li>• Four pipe</li> </ul>	<p><b>Low voltage fan coil units</b></p> <ul style="list-style-type: none"> <li>• Fan speed and sequence of operation</li> <li>• Two pipe</li> <li>• Four pipe</li> </ul> <p><b>Mixed voltage fan coil units</b></p> <ul style="list-style-type: none"> <li>• Requires SC1300/SC2300 relay pack</li> </ul> <p><b>Zone control</b></p> <ul style="list-style-type: none"> <li>• Cooling only VVT zone with reheat</li> <li>• Fin-tube radiators</li> <li>• Cabinet heaters</li> <li>• Radiant panel heaters</li> <li>• Electric re-heat zones</li> <li>• Pressure dependent VAV system</li> <li>• Terminal reheat</li> </ul>	<p><b>Rooftop units, heat pumps and indoor air quality</b></p> <ul style="list-style-type: none"> <li>• Economizer</li> <li>• CO2 sensor input</li> <li>• Fresh Air Station input</li> </ul> <p><b>Configurable stages</b></p> <ul style="list-style-type: none"> <li>• 1 heat/1 cool</li> <li>• 2 heat/2 cool</li> <li>• Modulation heat/2 cool</li> <li>• 3 heat/2 cool</li> </ul>



## Digital stand-alone and communicating room controllers

### SER8300 | Line-voltage fan coil controller with SC3000 relay pack

This two component retrofit option consists of the SER8300 terminal equipment controller and the SC3000 relay pack. Together, they provide an easy solution for retrofitting fan coil unit thermostats without requiring other components such as relays, transformers, controllers, sensors, and network wiring to be upgraded. Existing line voltage wiring between the fan coil unit and temperature Controller can be reused further minimizing overall labor and installation costs for both retrofit and new construction control projects. Additional flexibility and energy savings can be achieved with optional wireless door and window switches. An elegantly simple casing combines with configurable screen colors to match decor. Display your own logo and custom messages on screen to reinforce your brand and provide a more enjoyable occupant experience.



#### Product highlights

- Elegant style combinations, designed to complement any decor
- Customizable color digital touch screen interface with multi- language support
- 2 Pipe or 4 Pipe configuration
- Line voltage applications
- On board configuration interface utility
- Alarm monitoring
- Suitable for both commercial and hospitality markets and systems
- Fully programmable control sequences using scripting
- Configurable fan sequence of operation
- Configurable scheduler
- Change of value (COV) function for BMS integration
- Humidity sensor with on-board dehumidification strategy (model dependent)
- Configurable I/O
- Optional PIR motion sensor
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless door and window switches available for wireless communicating models only

#### Communication

- ZigBee Pro (P) option for direct MPM integration (Optional with communication module purchased separately)
- BACnet MS/TP (B) (Optional with BACnet integration purchased separately)
- Network-ready Stand-alone (A)
- Modbus (B) (selectable)

#### Facias

This model can be ordered with silver or white Fascia, and can be customized with many different Fascias. Refer to the Fascia page for more information (later in this document).

#### Accessories

The SC3000 relay pack is a necessary accessory for retrofit solution to use with the SER8300 room controller. Refer to the SC3000 page for more information (later in this document).

Wireless communication module ZigBee Pro upgrade available for this room controller. Ordered separately. Refer to the ZigBee Pro page for more information (later in this document).

Description	
Dimension	Height: 12cm/4.72in / Width: 8.6cm/3.38in / Depth: 2.5cm/1in
Power	
Voltage (SER8000)	6.5 - 28 Vdc or 20 - 28 Vac, 50/60Hz / 2.4 watts minimum
Voltage (SC3000)	90 - 277 Vac universal, 50/60Hz
Communication	
Protocol	Stand-alone, BACnet MS/TP, ZigBee Pro

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor	Fascia & casing
SER8300A0B00	Line voltage fan coil Controller	X			Silver
SER8350A0B00	Line voltage fan coil Controller	X	X		Silver
SER8300A5B00	Line voltage fan coil Controller	X		X	Silver
SER8350A5B00	Line voltage fan coil Controller	X	X	X	Silver
SER8300A0B11	Line voltage fan coil Controller	X			White
SER8350A0B11	Line voltage fan coil Controller	X	X		White
SER8300A5B11	Line voltage fan coil Controller	X		X	White
SER8350A5B11	Line voltage fan coil Controller	X	X	X	White

## SE8300 | Low voltage fan coil controller and zone controller

Smart energy management has never been easier than with the SE8300 series Fan coil room controllers. Designed for new construction and retrofit projects, the room controllers dramatically decrease project delivery costs by reducing installation, configuration and commissioning time. No complex software or tools are required to customize functionality to meet your applications requirements. The room controllers provide all the advanced features and monitoring functions required by modern building automation systems in a simple compact enclosure. An elegantly simple casing combines with configurable screen colors to match decor. Display your own logo and custom messages on screen to reinforce your brand and provide a more enjoyable occupant experience.



### Product Highlights

- Elegant style combinations, designed to complement any decor
- Touch screen interface with multi-language support
- 2 Pipe or 4 Pipe configuration
- Suitable for both commercial and hospitality markets and systems
- Fully programmable control sequences using scripting
- On board configuration interface utility
- Configurable fan sequence of operation
- Configurable Scheduler.
- Change of value (COV) function for BMS integration.
- Humidity sensor with on-board dehumidification strategy (model dependent)
- Optional PIR motion sensor
- Advanced occupancy and scheduling functions for commercial and lodging applications
- Optional wireless door and window switches (with optional ZigBee Pro® card) available

### Communication

- ZigBee Pro (P) option for direct MPM integration (Optional with communication module purchased separately)
- BACnet MS/TP (B) (Comes standard on all models)
- Modbus (B) (selectable)

### Facias

This model can be ordered with silver or white Fascia, and can be customized with many different Fascias. Refer to the Fascia page for more information (later in this document).

### Accessories

Wireless communication module ZigBee Pro upgrade available for this room controller. Ordered separately, refer to the ZigBee Pro page for more information (later in this document).

Description	
Dimension	Height: 12cm/4.72in Width: 8.6cm/3.38in Depth: 2.5cm/1in
Power	
Voltage	6.5 - 28 Vdc or 20 - 28 Vac 50/60Hz / 4VA + Output Load (64 VA Max.)
Communication	
Protocol	BACnet MS/TP ZigBee Pro /w VCM8000V5045P

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor	Fascia & casing
SE8300U0B00	Low voltage fan coil Controller	X			Silver
SE8350U0B00	Low voltage fan coil Controller	X	X		Silver
SE8300U5B00	Low voltage fan coil Controller	X		X	Silver
SE8350U5B00	Low voltage fan coil Controller	X	X	X	Silver
SE8300U0B11	Low voltage fan coil Controller	X			White
SE8350U0B11	Low voltage fan coil Controller	X	X		White
SE8300U5B11	Low voltage fan coil Controller	X		X	White
SE8350U5B11	Low voltage fan coil Controller	X	X	X	White

## Digital stand-alone and communicating room controllers

### SE8600 | Rooftop unit, heat pump and indoor air quality room controller

Smart energy management has never been easier than with the SE8600 room controllers for Rooftop units, heat pumps and indoor air quality applications. Designed for new construction and retrofit projects, the room controllers dramatically decrease project delivery costs by reducing installation, configuration and commissioning time. No complex software or tools are required to customize functionality in order to meet your applications requirements. The room controllers provide all the advanced features and monitoring functions required by modern building automation systems in a simple compact enclosure. An elegantly simple casing combines with configurable screen colors to match decor. Display your own logo and custom messages on screen to reinforce your brand and provide a more enjoyable occupant experience.



#### Product highlights

- Elegant style combinations, designed to complement any decor
- Customizable color digital touch screen interface with multi-language support
- Configurable as 1H / 1C, 2H / 2C, 3H / 2C and Modulating (Analog) Heat / 2C for Rooftop units
- CO<sub>2</sub> and fresh air inputs for Indoor Air Quality (IAQ) applications
- Suitable for both commercial and hospitality markets and systems
- Fully programmable control sequences using scripting
- On board configuration interface utility
- Configurable sequence of operations
- Configurable Economizer
- Configurable Scheduler
- Change of value (COV) function for BMS integration
- Humidity sensor with on-board dehumidification strategy (model dependent)
- Optional Passive Infrared (PIR) occupancy sensor
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless motion sensors, door and window switches (with optional ZigBee Pro® card) available

#### Description

Dimension	Height: 12cm/4.72in
	Width: 8.6cm/3.38in
	Depth: 2.5cm/1in

#### Power

Voltage	28 Vdc or 20 - 28 Vac
	50/60Hz / 4VA + Output Load (64 VA Max.)

#### Communication

Protocol	BACnet MS/TP
	ZigBee Pro /w VCM8000V5045P

#### Communication

- ZigBee Pro (P) option for direct MPM integration (Optional with communication module purchased separately)
- BACnet MS/TP (B) (Comes standard on all models)
- Modbus (B) (selectable)

#### Facias

This model can be ordered with silver or white Fascia, and can be customized with many different Fascias. Refer to the Fascia page for more information (later in this document).

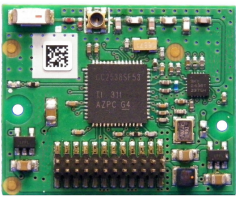
#### Accessories

Wireless communication module ZigBee Pro upgrade available for this room controller. Ordered separately, refer to the ZigBee Pro page for more information (later in this document).

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor	Fascia & casing
SE8600U0B00	RTU, Heat pump & IAQ Controller	X			Silver
SE8650U0B00	RTU, Heat pump & IAQ Controller	X	X		Silver
SE8600U5B00	RTU, Heat pump & IAQ Controller	X		X	Silver
SE8650U5B00	RTU, Heat pump & IAQ Controller	X	X	X	Silver
SE8600U0B11	RTU, Heat pump & IAQ Controller	X			White
SE8650U0B11	RTU, Heat pump & IAQ Controller	X	X		White
SE8600U5B11	RTU, Heat pump & IAQ Controller	X		X	White
SE8650U5B11	RTU, Heat pump & IAQ Controller	X	X	X	White

## Wireless communication adapter

SE8000 room controllers can be adapted to communicate using the ZigBee Pro wireless mesh networking protocol by the addition of an adapter card. This allows the SE8000 room controllers to pair with a variety of wireless sensors and switches for more precise control of HVAC systems in response to occupancy, as well as to communicate wirelessly for integration with BMS and networks.



Part Number	Description	Compatibility
VCM8000V5045P	Wireless ZigBee Pro communication card	SE8000 room controllers



Part Number	Description	Compatibility
SED-WDS-P-5045	Wireless door / window switch	



Part Number	Description	Compatibility
SED-WMS-P-5045	Wireless wall mounted motion sensor	



Part Number	Description	Compatibility
SED-CMS-P-5045	Wireless ceiling mounted motion sensor	

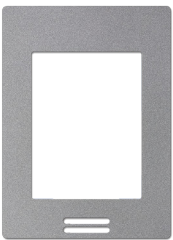


# Fascia

The Fascias for the SE8600 and SE8300 Series room controllers enable the customization of the exterior appearance of the room controllers to match and blend with any decor. The default Fascia that comes with SE8600 and SE8300 Series room controllers can be replaced with another snap-on Fascia (not available on SER8300 models).

## FAS - 00

Silver



## FAS - 01

White



## FAS - 03

Glossy translucent white



## FAS - 05

Light tan wood



## FAS - 06

Dark brown wood



## FAS - 07

Dark black wood



## FAS - 10

Brushed steel finish



Part Number	Description
FAS-00	Silver
FAS-01	White
FAS-03	Glossy translucent white
FAS-05	Light tan wood
FAS-06	Dark brown wood
FAS-07	Dark black wood
FAS-10	Brushed steel finish

Some Fascias may not be available in all markets. Verify Fascia availability in your area.


# Wireless accessories and specifications

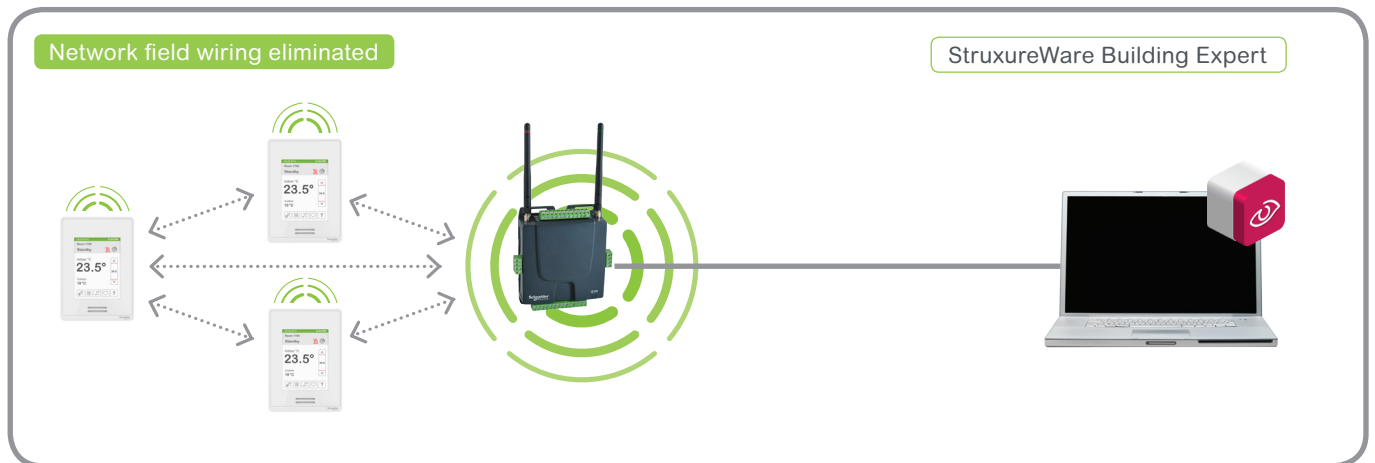
## Wireless integration

The wireless versions of the SE8000 room controllers 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 SE8000 room controller devices into an integrated BMS network is made easy with two integration methods, either via a gateway or a wireless serial adapter.

## SmartStruxure Lite solution

Designed for small and medium commercial buildings, SmartStruxure Lite integrates room controllers using Multi-Purpose Managers (MPM-GW, MPM-UN, MPM-VA), and provides remote management and supervision of the system through StruxureWare Building Expert, a Web integrated BMS hosted directly by the MPM. For more information, visit the Schneider Electric Exchange Downloads Center at <https://ecobuilding.schneider-electric.com>

	Part Number	Description
	MPM-GW, MPM-UN, MPM-VA	Managers (MPM) from the SmartStruxure Lite line of products



\* The MPM models correspond to room controllers using ZigBee Pro (P) communications only.

# SE7000 Series Room Controllers

## Digital stand-alone and communicating room controllers

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. These digital controllers give users easy-to-install, thermostat-like functionality that can sense occupancy and adjust set-point or fan speed control. The SE7000 room controllers can be easily integrated into most Building Management Systems (BMS).



SE7200 Series	SE7300 and SER7300 Series	SE7600 Series
<p>&gt; Zoning, heating/cooling</p> <ul style="list-style-type: none"> <li>• Reheat control</li> <li>• Induction units</li> <li>• Chilled beam</li> <li>• Under floor heating</li> <li>• Perimeter radiant heat</li> <li>• Pressure dependent VAV</li> </ul>	<p>&gt; Fan coil, three-speed fan</p> <ul style="list-style-type: none"> <li>• Low-voltage, line-voltage and mixed-voltage fan coil unit control</li> <li>• Multiple fan speed, heating and cooling stages configurations</li> <li>• Humidity control options</li> <li>• Relay pack accessories for line-voltage and mixed-voltage applications</li> </ul>	<p>&gt; Rooftop or heat pump</p> <ul style="list-style-type: none"> <li>• Economizer option</li> <li>• Humidification/dehumidification heat pumps</li> <li>• Rooftop, 3 heat/2 cool</li> <li>• Water source with dehumidification, 1 heat/2 cool</li> </ul>

## Digital stand-alone and communicating room controllers

### SE7200 | Communicating and network-ready zone controllers

Smart energy management has never been easier than with the SE7200 series. Designed for new construction or retrofit projects, the controllers dramatically decrease total costs by reducing installation time, configuration and commissioning time. The SE7200 series provides the advanced features and monitoring functions required by modern building automation systems without the use of software and commissioning tools.



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
SE7200C5045P	ZigBee Pro wireless zone Controller	Floating or on/off	No	ZigBee Pro
SE7200C5045W	Wireless zone Controller	Floating or on/off	No	Wireless
SE7200C5045W-VWA	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
SE7200C5545P	ZigBee Pro wireless zone Controller	Floating or on/off	Yes	ZigBee Pro
SE7200C5545W	Wireless zone Controller	Floating or on/off	Yes	Wireless
SE7200C5545W-VWA	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
SE7200F5045P	ZigBee Pro wireless zone Controller	0 - 10 V	No	ZigBee Pro
SE7200F5045W	Wireless zone Controller	0 - 10 V	No	Wireless
SE7200F5045W-VWA	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
SE7200F5545P	ZigBee Pro wireless zone Controller	0 - 10 V	Yes	ZigBee Pro
SE7200F5545W	Wireless zone Controller	0 - 10 V	Yes	Wireless
SE7200F5545W-VWA	Wireless zone Controller	0 - 10 V	Yes	Wireless

## SE7300 | Low voltage communicating and network-ready fan coil controllers

The SE7300 series provides the advanced features and monitoring functions required by modern building automation systems without the use of software and commissioning tools. The SE7300 is a low voltage fan coil terminal equipment controller suitable for commercial and high end hospitality markets. It can also be used as a zone controller or mixed voltage solution.

### 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
SE7300C5045P	ZigBee Pro wireless zone Controller	No	Floating or on/off	No	ZigBee Pro
SE7300C5545	Stand-alone fan coil Controller	No	Floating or on/off	Yes	Stand-alone (network ready)
SE7300C5045W-VWA	Wireless fan coil Controller	No	Floating or on/off	Yes	Wireless
SE7300C5545B	BACnet fan coil Controller	No	Floating or on/off	Yes	BACnet
SE7300C5545E	LON fan coil Controller	No	Floating or on/off	Yes	LonWorks
SE7300C5545P	ZigBee Pro wireless zone Controller	No	Floating or on/off	Yes	ZigBee Pro
SE7300C5545W	Wireless fan coil Controller	No	Floating or on/off	Yes	Wireless
SE7300C5545W-VWA	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
SE7300F5045P	ZigBee Pro wireless zone Controller	No	0 - 10 V	No	ZigBee Pro
SE7300F5045W	Wireless fan coil Controller	No	0 - 10 V	No	Wireless
SE7300F5045W-VWA	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
SE7300F5545P	ZigBee Pro wireless zone Controller	No	0 - 10 V	Yes	ZigBee Pro
SE7300F5545W	Wireless fan coil Controller	No	0 - 10 V	Yes	Wireless
SE7300F5545W-VWA	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
SE7350C5045P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	No	ZigBee Pro
SE7350C5045W	Wireless fan coil Controller	Yes	Floating or on/off	No	Wireless
SE7350C5045W-VWA	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
SE7350C5545P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	Yes	ZigBee Pro
SE7350C5545W	Wireless fan coil Controller	Yes	Floating or on/off	Yes	Wireless
SE7350C5545W-VWA	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
SE7350F5045P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	No	ZigBee Pro
SE7350F5045W	Wireless fan coil Controller	Yes	0 - 10 V	No	Wireless
SE7350F5045W-VWA	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
SE7350F5545P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	Yes	ZigBee Pro
SE7350F5545W	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless
SE7350F5545W-VWA	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless

## Digital stand-alone and communicating room controllers

### SE7305 | Low voltage communicating and network-ready fan coil controllers

The SE7300 series provides the advanced features and monitoring functions required by modern building automation systems without the use of software and commissioning tools. The SE7300 is a low voltage fan coil terminal equipment controller suitable for commercial and high end hospitality markets. It can also be used as a zone controller or mixed voltage solution.

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
SE7305C5045P	ZigBee Pro wireless zone Controller	No	Floating or on/off	No	ZigBee Pro
SE7305C5045W	Wireless fan coil Controller	No	Floating or on/off	No	Wireless
SE7305C5045W-VWA	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
SE7305C5545P	ZigBee Pro wireless zone Controller	No	Floating or on/off	Yes	ZigBee Pro
SE7305C5545W	Wireless fan coil Controller	No	Floating or on/off	Yes	Wireless
SE7305C5545W-VWA	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
SE7305F5045P	ZigBee Pro wireless zone Controller	No	0 - 10 V	No	ZigBee Pro
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
SE7305F5545P	ZigBee Pro wireless zone Controller	No	0 - 10 V	Yes	ZigBee Pro
SE7305F5545W	Wireless fan coil Controller	No	0 - 10 V	Yes	Wireless
SE7305F5545W-VWA	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
SE7355C5045P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	No	ZigBee Pro
SE7355C5045W	Wireless fan coil Controller	Yes	Floating or on/off	No	Wireless
SE7355C5045W-VWA	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
SE7355C5545P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	Yes	ZigBee Pro
SE7355C5545W	Wireless fan coil Controller	Yes	Floating or on/off	Yes	Wireless
SE7355C5545W-VWA	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
SE7355F5045P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	No	ZigBee Pro
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
SE7355F5545P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	Yes	ZigBee Pro
SE7355F5545W	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless
SE7355F5545W-VWA	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless

## SE7300-ECM | ECM fan coil controllers

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
SE7300F5045P-ECM	ZigBee Pro ECM fan coil Controller	No	ZigBee Pro
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
SE7300F5545P-ECM	ZigBee Pro ECM fan coil Controller	Yes	ZigBee Pro

### 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
SE7305F5045P-ECM	ZigBee Pro ECM fan coil Controller	No	ZigBee Pro
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
SE7305F5545P-ECM	ZigBee Pro ECM fan coil Controller	Yes	ZigBee Pro



## SER7300 | Line-voltage fan coil terminal equipment controller with relay packs

The SER7300 fan coil unit solution requires installation of only two components, the SER7300 terminal equipment controller and the SC3000 relay pack. This allows reuse of existing line-voltage wiring between the fan coil unit and temperature controller, thereby reducing overall costs, labor, and installation time for both retrofit and new construction control projects.

### 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 fan coil terminal equipment Controller	No	No	BACnet
SER7300A5045E	LON fan coil terminal equipment Controller	No	No	LonWorks
SER7300A5045P	ZigBee Pro wireless fan coil terminal equipment Controller	No	No	ZigBee Pro
SER7300A5545	Stand-alone fan coil terminal equipment Controller	No	Yes	Stand-alone (network ready)
SER7300A5545B	BACnet fan coil terminal equipment Controller	No	Yes	BACnet
SER7300A5545E	LON fan coil terminal equipment Controller	No	Yes	LonWorks
SER7300A5545W	Wireless fan coil terminal equipment Controller	No	Yes	Wireless
SER7300A5545P	ZigBee Pro wireless fan coil terminal equipment Controller	No	Yes	ZigBee Pro
SER7350A5045	Stand-alone fan coil terminal equipment Controller	Yes	No	Stand-alone (network ready)
SER7350A5045B	BACnet fan coil terminal equipment Controller	Yes	No	BACnet
SER7350A5045E	LON fan coil terminal equipment Controller	Yes	No	LonWorks
SER7350A5045P	ZigBee Pro wireless fan coil terminal equipment Controller	Yes	No	ZigBee Pro
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
SER7350A5545E	LON fan coil terminal equipment Controller	Yes	Yes	LonWorks
SER7350A5545W	Wireless fan coil terminal equipment Controller	Yes	Yes	Wireless
SER7350A5545P	ZigBee Pro wireless fan coil terminal equipment Controller	Yes	Yes	ZigBee Pro

### 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 fan coil terminal equipment Controller	No	No	BACnet
SER7305A5045E	LON fan coil terminal equipment Controller	No	No	LonWorks
SER7305A5045P	ZigBee Pro wireless fan coil terminal equipment Controller	No	No	ZigBee Pro
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
SER7305A5545P	ZigBee Pro wireless fan coil terminal equipment Controller	No	Yes	ZigBee Pro
SER7355A5045	Stand-alone fan coil terminal equipment Controller	Yes	No	Stand-alone (network ready)
SER7355A5045B	BACnet fan coil terminal equipment Controller	Yes	No	BACnet
SER7355A5045E	LON fan coil terminal equipment Controller	Yes	No	LonWorks
SER7355A5045P	ZigBee Pro wireless fan coil terminal equipment Controller	Yes	No	ZigBee Pro
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
SER7355A5545E	LON fan coil terminal equipment Controller	Yes	Yes	LonWorks
SER7355A5545P	ZigBee Pro wireless fan coil terminal equipment Controller	Yes	Yes	ZigBee Pro



# Check in to comfort. Check out the savings.

Hotel guest comfort meets energy savings with our Series room controllers





## Digital stand-alone and communicating room controllers

### SE7600A and SE7600B | Communicating and network-ready Rooftop 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 Rooftop 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.



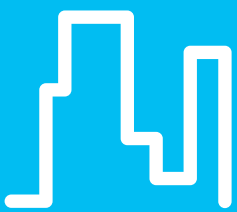
Part Number	Description	Scheduling	Economizer	Heat/Cool Stages	Humidity	PIR Cover	Communication
SE7600B5045	Stand-alone Rooftop Controller	No	No	2H/2C	No	No	Stand-alone (network ready)
SE7600B5045B	BACnet Rooftop Controller	No	No	2H/2C	No	No	BACnet
SE7600B5045E	LON Rooftop Controller	No	No	2H/2C	No	No	LonWorks
SE7600B5045P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	No	No	ZigBee Pro
SE7600B5045W	Wireless Rooftop Controller	No	No	2H/2C	No	No	Wireless
SE7600B5545	Stand-alone Rooftop Controller	No	No	2H/2C	No	Yes	Stand-alone (network ready)
SE7600B5545B	BACnet Rooftop Controller	No	No	2H/2C	No	Yes	BACnet
SE7600B5545E	LON Rooftop Controller	No	No	2H/2C	No	Yes	LonWorks
SE7600B5545P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	No	Yes	ZigBee Pro
SE7600B5545W	Wireless Rooftop Controller	No	No	2H/2C	No	Yes	Wireless
SE7605B5045	Stand-alone Rooftop Controller	No	Yes	2H/2C	No	No	Stand-alone (network ready)
SE7605B5045B	BACnet Rooftop Controller	No	Yes	2H/2C	No	No	BACnet
SE7605B5045E	LON Rooftop Controller	No	Yes	2H/2C	No	No	LonWorks
SE7605B5045P	ZigBee Pro wireless Rooftop Controller	No	Yes	2H/2C	No	No	ZigBee Pro
SE7605B5045W	Wireless Rooftop Controller	No	Yes	2H/2C	No	No	Wireless
SE7605B5545	Stand-alone Rooftop Controller	No	Yes	2H/2C	No	Yes	Stand-alone (network ready)
SE7605B5545B	BACnet Rooftop Controller	No	Yes	2H/2C	No	Yes	BACnet
SE7605B5545E	LON Rooftop Controller	No	Yes	2H/2C	No	Yes	LonWorks
SE7605B5545P	ZigBee Pro wireless Rooftop Controller	No	Yes	2H/2C	No	Yes	ZigBee Pro
SE7605B5545W	Wireless Rooftop Controller	No	Yes	2H/2C	No	Yes	Wireless
SE7607B5045	Stand-alone Rooftop Controller	No	No	2H/2C	Yes	No	Stand-alone (network ready)
SE7607B5045B	BACnet Rooftop Controller	No	No	2H/2C	Yes	No	BACnet
SE7607B5045E	LON Rooftop Controller	No	No	2H/2C	Yes	No	LonWorks
SE7607B5045P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	Yes	No	ZigBee Pro
SE7607B5045W	Wireless Rooftop Controller	No	No	2H/2C	Yes	No	Wireless

# SE7600A and SE7600B | Communicating and network-ready Rooftop controllers



Part Number	Description	Scheduling	Economizer	Heat/Cool Stages	Humidity	PIR Cover	Communication
SE7607B5545B	BACnet Rooftop Controller	No	No	2H/2C	Yes	Yes	BACnet
SE7607B5545E	LON Rooftop Controller	No	No	2H/2C	Yes	Yes	LonWorks
SE7607B5545P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	Yes	Yes	ZigBee Pro
SE7652B5045	Stand-alone Rooftop Controller	Yes	No	2H/2C	No	No	Stand-alone (network ready)
SE7652B5045B	BACnet Rooftop Controller	Yes	No	2H/2C	No	No	BACnet
SE7652B5045E	LON Rooftop Controller	Yes	No	2H/2C	No	No	LonWorks
SE7652B5045P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	No	No	ZigBee Pro
SE7652B5045W	Wireless Rooftop Controller	Yes	No	2H/2C	No	No	Wireless
SE7652B5545	Stand-alone Rooftop Controller	Yes	No	2H/2C	No	Yes	Stand-alone (network ready)
SE7652B5545B	BACnet Rooftop Controller	Yes	No	2H/2C	No	Yes	BACnet
SE7652B5545E	LON Rooftop Controller	Yes	No	2H/2C	No	Yes	LonWorks
SE7652B5545P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	No	Yes	ZigBee Pro
SE7652B5545W	Wireless Rooftop Controller	Yes	No	2H/2C	No	Yes	Wireless
SE7656B5045	Stand-alone Rooftop Controller	Yes	Yes	2H/2C	No	No	Stand-alone (network ready)
SE7656B5045B	BACnet Rooftop Controller	Yes	Yes	2H/2C	No	No	BACnet
SE7656B5045E	LON Rooftop Controller	Yes	Yes	2H/2C	No	No	LonWorks
SE7656B5045P	ZigBee Pro wireless Rooftop Controller	Yes	Yes	2H/2C	No	No	ZigBee Pro
SE7656B5545	Stand-alone Rooftop Controller	Yes	Yes	2H/2C	No	Yes	Stand-alone (network ready)
SE7656B5545B	BACnet Rooftop Controller	Yes	Yes	2H/2C	No	Yes	BACnet
SE7656B5545E	LON Rooftop Controller	Yes	Yes	2H/2C	No	Yes	LonWorks
SE7656B5545P	ZigBee Pro wireless Rooftop Controller	Yes	Yes	2H/2C	No	Yes	ZigBee Pro
SE7656B5545W	Wireless Rooftop Controller	Yes	Yes	2H/2C	No	Yes	Wireless
SE7657B5045	Stand-alone Rooftop Controller	Yes	No	2H/2C	Yes	No	Stand-alone (network ready)
SE7657B5045B	BACnet Rooftop Controller	Yes	No	2H/2C	Yes	No	BACnet
SE7657B5045E	LON Rooftop Controller	Yes	No	2H/2C	Yes	No	LonWorks
SE7657B5045P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	Yes	No	ZigBee Pro
SE7657B5045W	Wireless Rooftop Controller	Yes	No	2H/2C	Yes	No	Wireless
SE7657B5545	Stand-alone Rooftop Controller	Yes	No	2H/2C	Yes	Yes	Stand-alone (network ready)
SE7657B5545B	BACnet Rooftop Controller	Yes	No	2H/2C	Yes	Yes	BACnet
SE7657B5545E	LON Rooftop Controller	Yes	No	2H/2C	Yes	Yes	LonWorks
SE7657B5545P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	Yes	Yes	ZigBee Pro
SE7657B5545W	Wireless Rooftop Controller	Yes	No	2H/2C	Yes	Yes	Wireless

Schneider Electric Room Controllers provide comfort and energy savings using their native application-specific control sequences, PID algorithms, occupancy detection and schedule management.



Building



Efficient control



Green energy

## Digital stand-alone and communicating room controllers

### SE7600H | Communicating and network-ready 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 Rooftop 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
SE7600H5045P	ZigBee Pro wireless heat pump Controller	No	3H/2C	No	ZigBee Pro
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
SE7600H5545P	ZigBee Pro wireless heat pump Controller	No	3H/2C	Yes	ZigBee Pro
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
SE7652H5045P	ZigBee Pro wireless heat pump Controller	Yes	3H/2C	No	ZigBee Pro
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
SE7652H5545P	ZigBee Pro wireless heat pump Controller	Yes	3H/2C	Yes	ZigBee Pro
SE7652H5545W	Wireless heat pump Controller	Yes	3H/2C	Yes	Wireless

### SE7600E | Communicating and network-ready Indoor air quality controllers

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 CO<sub>2</sub> 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 CO<sub>2</sub> 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
SE7606E5045P	ZigBee Pro wireless IAQ Controller	No	2H/2C	No	ZigBee Pro
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
SE7606E5545P	ZigBee Pro wireless IAQ Controller	No	2H/2C	Yes	ZigBee Pro
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
SE7656E5045P	ZigBee Pro wireless IAQ Controller	Yes	2H/2C	No	ZigBee Pro
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
SE7656E5545P	ZigBee Pro wireless IAQ Controller	Yes	2H/2C	Yes	ZigBee Pro
SE7656E5545W	Wireless IAQ Controller	Yes	2H/2C	Yes	Wireless

## Digital stand-alone and communicating room controllers

### SE7600F | Communicating and network-ready Rooftop controllers for modulating heat

The new SE7600F Rooftop 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
SE7600F5045P	ZigBee Pro wireless modulating heat Controller	No	1H (analogue)/2C	No	ZigBee Pro
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
SE7600F5545P	ZigBee Pro wireless modulating heat Controller	No	1H (analogue)/2C	Yes	ZigBee Pro
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
SE7652F5045P	ZigBee Pro wireless modulating heat Controller	Yes	1H (analogue)/2C	No	ZigBee Pro
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

## SE7600W | Water source heat pump controllers

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
SE7600W5045P	ZigBee Pro wireless water source heat pump Controller	No	2H/2C	No	ZigBee Pro
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
SE7600W5545P	ZigBee Pro wireless water source heat pump Controller	No	2H/2C	Yes	ZigBee Pro
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
SE7652W5045P	ZigBee Pro wireless water source heat pump Controller	Yes	2H/2C	No	ZigBee Pro
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
SE7652W5545P	ZigBee Pro wireless water source heat pump Controller	Yes	2H/2C	Yes	ZigBee Pro
SE7652W5545W	Wireless water source heat pump Controller	Yes	2H/2C	Yes	Wireless



## Digital stand-alone and communicating room controllers

### SEZ7000 | Commercial zoning systems

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 Rooftop and heat pump units controlling analogue heat, CO<sub>2</sub> 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 - Rooftop controllers



Part Number	Description	IAQ	Economizer	Modulating Heat	Communication
SEZ7656E1045B	BACnet Rooftop Controller	Yes	Yes	No	BACnet
SEZ7656F1045B	BACnet Rooftop Controller	No	No	Yes	BACnet
SEZ7656F1045W	Wireless Rooftop Controller	No	No	Yes	Wireless
SEZ7656R1045B	BACnet Rooftop Controller	No	No	No	BACnet
SEZ7656R1045W	Wireless Rooftop Controller	No	No	No	Wireless

#### Commercial zoning system - heat pump controllers



Part Number	Description	Communication
SEZ7656H1045B	Bacnet heat pump unit Controller	BACnet
SEZ7656H1045W	Wireless heat pump unit Controller	Wireless

# Wireless accessories and specifications

## Wireless integration

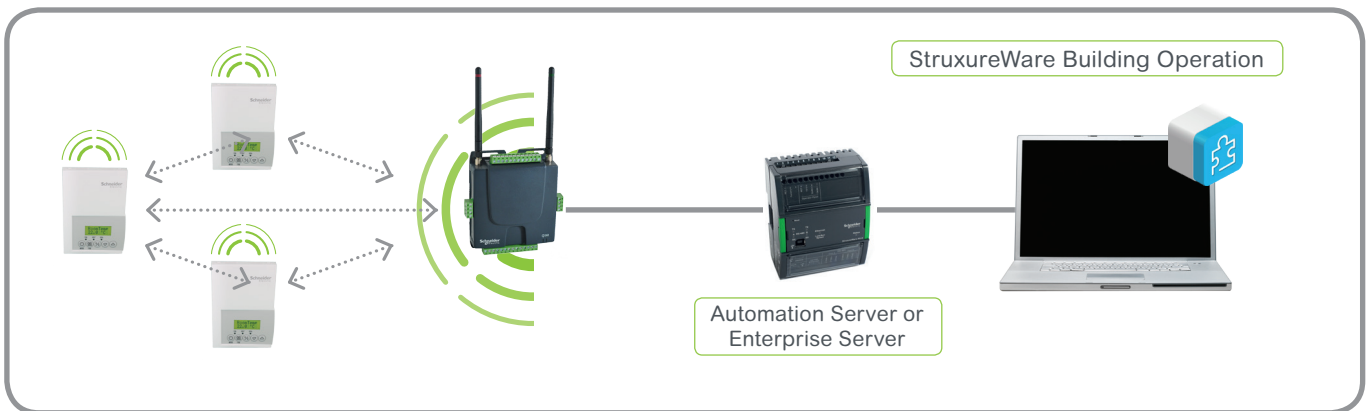
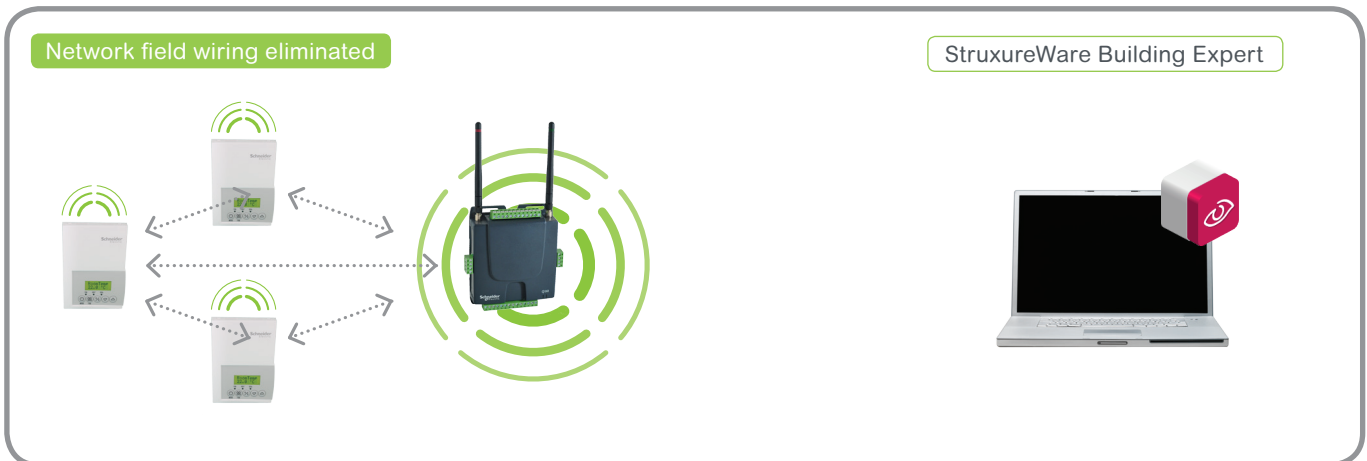
The wireless versions of the SE7000 provide a simple yet powerful solution which targets such retrofit installations where running new communication wiring is cost prohibitive. The wireless room controllers can dramatically reduce project installation costs by re-using the existing control wiring already 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.

## SmartStruxure Lite solution

Designed for small and medium commercial buildings, SmartStruxure™ Lite integrates room controllers using Managers (MPM-GW, MPM-UN, MPM-VA), and provides remote management and supervision of the system through StruxureWare™ Building Expert, a Web iBMS hosted directly by the MPM. For more information, visit <http://www.documentation.smartstruxurelite.com>



Part Number	Description
MPM-GW, MPM-UN, MPM-VA	Managers (MPM) from the SmartStruxure Lite line of products



\*The MPM models correspond to room controllers using ZigBee Pro (P) communications only.

## Wireless accessories and specifications

### 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-EPP-1045	Wireless Serial Adapter for TAC I/A Series ENC-520 <sup>2</sup>

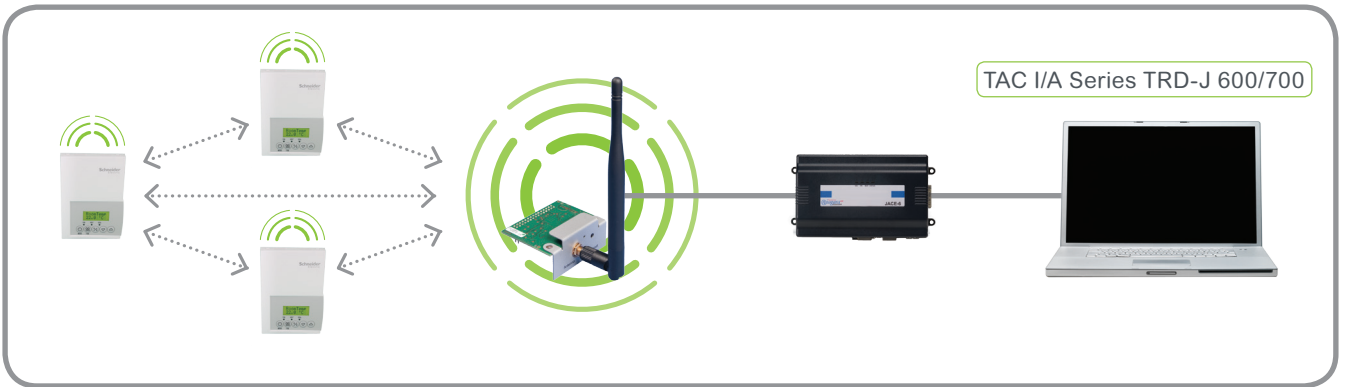
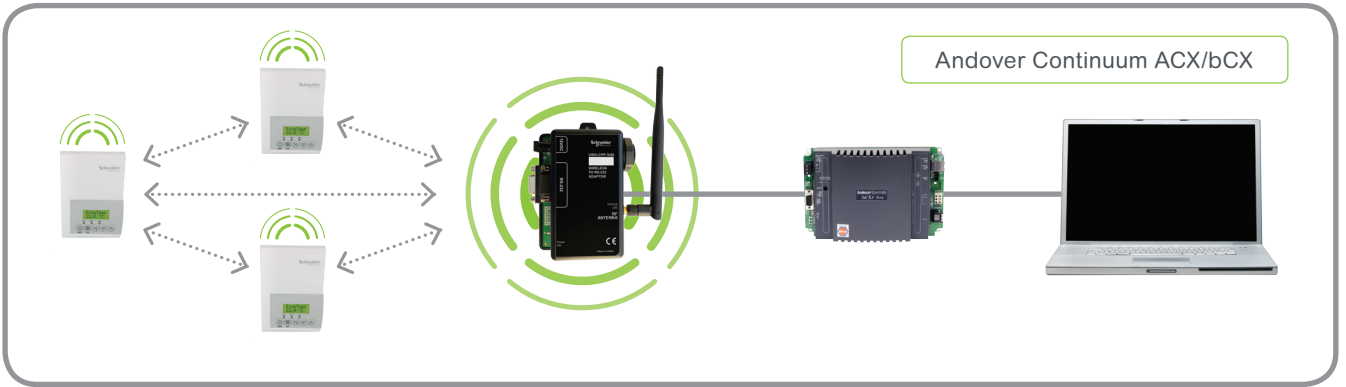


Part Number	Description
VWG-APP-1045	Wireless Serial Adapter for TAC I/A Series TRD-J 600/700

<sup>1</sup>For Andover Continuum ACX with RS-485, an external RS-232 to RS-485 adapter is required.

<sup>2</sup>For TAC I/A Series ENC-520 applications, a CBL-xxx is required.

The wireless serial adapters correspond to room controllers using proprietary ZigBee wireless (W) communications only.



The wireless serial adapters correspond to room controllers using proprietary ZigBee wireless (W) communications only.

## Wireless accessories



Part Number	Description
VRP5000W1045W	Wireless repeater

# 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 Rooftop/heat pump controllers	SE7600 models

## Remote sensors

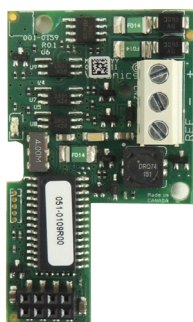
Our discreet line of wall mount room sensors is used for advanced room temperature sensing. Each model is equipped with three thermistors and two dip switches for various averaging combinations, with a temporary override key and an occupancy LED available in the advanced model.



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

## Wireless communication adapter

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
VCM7200V5045P	Wireless ZigBee Pro communication card	SE7200 Series room controllers
VCM7300R5045P	Wireless ZigBee Pro communication card	SE7300 Series room controllers with RH
VCM7300T5045B	BACnet communication board	SER7300 Series room controllers
VCM7300T5045E	LON communication card	SER7300 Series room controllers
VCM7300V5045B	BACnet communication card	SE7200/SE7300 Series room controllers
VCM7300V5045E	LON communication card	SE7200/SE7300 Series room controllers
VCM7300V5045P	Wireless ZigBee Pro communication card	SE7300 Series room controllers without RH
VCM7600V5045B	BACnet communication card	SE7600 Series room controllers
VCM7600V5045E	LON communication card	SE7600 Series room controllers
VCM7600V5045P	Wireless ZigBee Pro communication card	SE7600 Series room controllers without RH
VCM7607V5045B	BACnet communication card	SE76x7 room controllers (with humidity option)
VCM7607V5045E	LON communication card	SE76x7 room controllers (with humidity option)
VCM7607V5045P	Wireless ZigBee Pro communication card	SE7600 Series room controllers with RH

The VCM7607V5045E (terminal equipment Controller Echelon LonTalk communication adapter) is not available for: SE7300F5x45X-ECM, SE7600W, SE7600F Controller models.

Accessories and specifications

Wireless Sensors






Part Number	Description	Compatibility
VWA5000D5045W	Wireless door switch (ZigBee Classic)	SE7000 room controllers with VCM7000 communication modules
VWA5000W5045W	Wireless window switch (ZigBee Classic)	SE7000 room controllers with VCM7000 communication modules



Part Number	Description	Compatibility
SED-WIN-P-5045	ZigBee Pro window contact switch	SE7000 room controllers with VCM7000 communication modules
SED-DOR-P-5045	ZigBee Pro door contact switch	SE7000 room controllers with VCM7000 communication modules

\*Wireless accessories are compatible with all SE7000 wireless models.

## Specifications

	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	125 mm x 87 mm x 30 mm (4.92" x 3.41" x 1.16")	125 mm x 87 mm x 30 mm (4.92" x 3.41" x 1.16")	125 mm x 87 mm x 30 mm (4.92" x 3.41" x 1.16")
PIR model	125 mm x 87 mm x 38 mm (4.92" x 3.41" x 1.47")	125 mm x 87 mm x 38 mm (4.92" x 3.41" x 1.47")	125 mm x 87 mm x 38 mm (4.92" x 3.41" x 1.47")
Power supply	10 - 30 Vac (50/60 Hz)	10 - 30 Vac (50/60 Hz)	10 - 30 Vac (50/60 Hz)
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
Economizer 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% RH non-condensing
Storage conditions	-30 °C to 50 °C (-22 °F to 122 °F) 0% to 95% RH non-condensing
Dimensions	125 mm x 87 mm x 30 mm (4.92" x 3.41" x 1.16")
Approximate shipping weight	155 grams (0.34 lbs)
Enclosure material	ABS - FRI [WT1337V] UV stabilised

Relay Packs



# SC3000 | Relay Pack

A compact and easy to install Relay Pack for line-voltage fan coil units to be used in combination with room controllers. The SC3000 is a Relay Pack for line-voltage fan coil units. The device is used with SER7300 and SER8300 room controllers as a two component retrofit option.



## Features

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.

No previous building automation training is required for the installation and commissioning process.

Existing line voltage wiring between the fan coil unit and temperature Controller can be reused further minimizing overall labor and installation costs.

Description	
Dimension	Height: 12cm/4.72in / Width: 8.6cm/3.38in / Depth: 2.5cm/1in
Power	
Voltage	7.0 VDC +/- 10% 2.4 watts minimum

Part Number	Applications	Fan control	Monitoring inputs	Control types
SC3500E5045	2 pipes 2 pipes with reheat 4 pipes	Up to 3 speed	None	On-Off line switched valve output control 1 heat / cool output 1 cool output 3 fan outputs
SC3504E5045	2 pipes 2 pipes with reheat 4 pipes	Up to 3 speed	4 FCU remote inputs	On-Off line switched valve output control 1 heat / cool output 1 cool output 3 fan outputs
SC3514E5045 (with occupancy output)	2 pipes 2 pipes with reheat 4 pipes	Up to 3 speed	4 FCU remote inputs	On-Off line switched valve output control 1 heat / cool output 1 cool output 3 fan outputs Occupancy output (7VDC)
SC3400E5045	2 pipes 2 pipes with modulating pulsed reheat	Up to 3 speed	None	On-Off line switched valve output control 1 heat / cool output 1 Modulating pulsed Vdc output for SSR electric reheat control 3 fan outputs
SC3404E5045	2 pipes 2 pipes with modulating pulsed reheat	Up to 3 speed	4 FCU remote inputs	On-Off line switched valve output control 1 heat / cool output 1 Modulating pulsed Vdc output for SSR electric reheat control 3 fan outputs
SC3300E5045 (slave fan unit)	Slave fan control only	Up to 3 speed	None	Slave fan control only 3 fan outputs

## SC1300 | Mixed Voltage fan-coil package

A compact and easy to install Relay Pack for fan control for Mixed Voltages with 24VAC transformer units to be used in combination with SE7300 and SE8300 room controllers as a two component Mixed Voltage solution.



### Mixed Voltage Application

In combination with the SE7300/SE8300 Series room controllers, the SC1300 allows control of a fan-coil requiring Mixed Voltage for the following:

- Line voltage for the 3-speed fan control (120V unit)
- Low voltage for valve control
- LED indication of relay status

Description	
Dimension	Height: 5cm/2in / Width: 14cm/5.5in / Depth: 17cm/6.7in
Power	
Voltage	110-130 Vac / 24 Vac
Contacts ratings	Resistive: 7 Amp / 1680 W ; Motor and or compressor: ¼ Hp / 10 LRA / 2.5 FLA approved for 30,000 operations at 240 VAC
24VAC low voltage power output	0.5A, 12 VA max
Outputs	
Number of outputs	3 on/off outputs
Part Number	Description
SC1300E5045	Fan control for Mixed Voltages with 24VAC Transformer

## SC2300 | Mixed Voltage fan-coil package

A compact and easy to install Relay Pack for fan control for Mixed Voltages with 24VAC transformer units to be used in combination with SE7300 and SE8300 room controllers as a two component Mixed Voltage solution.



### Mixed Voltage Application

In combination with the SE7300/SE8300 Series room controllers, the SC2300 allows control of a fan-coil requiring Mixed Voltage for the following:

- Line voltage for the 3-speed fan control (220/240V unit)
- Low voltage for valve control
- LED indication of relay status

Description	
Dimension	Height: 5cm/2in / Width: 14cm/5.5in / Depth: 17cm/6.7in
Power	
Voltage	220-240 Vac / 24 Vac
Contacts ratings	Resistive: 7 Amp / 1680 W ; Motor and or compressor: ¼ Hp / 10 LRA / 2.5 FLA approved for 30,000 operations at 240 VAC
24VAC low voltage power output	0.5A, 12 VA max
Outputs	
Number of outputs	3 on/off outputs
Part Number	Description
SC2300E5045	Fan control for Mixed Voltages with 24VAC Transformer





# Energy savings for a healthy bottom line

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







### Healthcare

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



### Retail

Enhance your system operation and efficiency with the Series room controllers. From a stand-alone device to simplified building management, Schneider Electric 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 room controllers allow for scalability to control a wide variety of environments through occupied and unoccupied periods.



### Hotels/lodging

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



### Commercial buildings

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](http://www.schneider-electric.com)

#### Schneider Electric

Jägershillgatan 18  
Malmö SE-213 75, Sweden  
Tel.: +46 40 386 850

#### Schneider Electric

Boston ONE Camus  
800 Federal Street  
Andover, MA, USA  
Tel.: +1 (800) 225-0962

#### Schneider Electric

13th Floor, East Wing, Warwick House,  
Taikoo Place, 979 Kings Road,  
Quarry Bay, Hong Kong  
Tel.: +852 2980 8528