

Fan coil (FCU) application guide

SE7000 Series room controllers



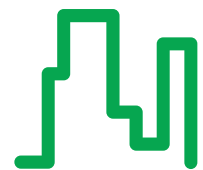
Control



Performance



Energy savings



Better building management

Schneider
Electric

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Product & application selector

SER7300 & Relay Pack

Power	Building Function	Humidity Control	Application	Outputs / Inputs	Controller	Relay Pack	Typical Application
Line Voltage	Commercial	Yes	2 or 4 pipe, Up to 3 speed fan	1H/1C with Reheat	SER7350A5045	SC3500E5045	Page: 38, 42
				1H/1C with 4 inputs and reheat	SER7350A5045	SC3504E5045	Page: 40, 44
				1H/1C with 4 inputs reheat and occ. output	SER7350A5045	SC3514E5045	Page: 44
		No	2 Pipe, Up to 3 speed fan	1H/1C with pulsed reheat	SER7300A5045	SC3400E5045	Page: 42
				1H/1C with pulsed reheat and 4 inputs	SER7300A5045	SC3404E5045	Page: 38
	Hospitality	Yes	2 or 4 pipe, Up to 3 speed fan	1H/1C with Reheat	SER7355A5045*	SC3500E5045	Page: 36, 50
				1H/1C with 4 inputs and reheat	SER7355A5045*	SC3504E5045	Page: 40, 48
				1H/1C with 4 inputs reheat and occ. output	SER7355A5045*	SC3514E5045	Page: 44
		No	2 Pipe, Up to 3 speed fan	1H/1C with pulsed reheat	SER7305A5045*	SC3400E5045	Page: 42
				1H/1C with pulsed reheat and 4 inputs	SER7305A5045*	SC3404E5045	Page: 38
			Slave fan control only	3 fan outputs	SER73xxA5045	SC3300E5000	Page: 46

*The Hospitality/Lodging models are identical to the commercial controllers except for the Override key which is replaced with a °C/°F key to switch between Celsius and Fahrenheit units.

At the end of the model number, add B for BACnet communication or W for Zigbee wireless communication.
Ex: SER7300A5045B or SER7300A5045W

SER7300 and SCs | Fan coil terminal equipment controllers

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	Yes	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)



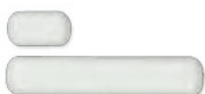
Part Number	Description	Humidity	PIR Cover	Communication
SER7305A5045	Stand-alone fan coil terminal equipment controller	No	No	Stand-alone (network ready)
SER7305A5045B	BACnet fancoil terminal equipment controller	No	No	BACnet
SER7305A5045W	Wireless fan coil terminal equipment controller	No	No	Wireless
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	Yes	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

SE7300 | Fan coil room controllers

Power	Application	Building Function	Humidity Control	Outputs / Inputs	Controller	Typical Application
Low Voltage	- 2 or 4 Pipe - Hot/Chill water valves - Up to 3 speed fan - Automatic Changeover -Auxiliary contact output	Commercial	Yes	On-Off 1H/1C	SE7350C5045	Page: 20, 32
				Floating 1H/1C	SE7350C5045	Page: 12, 34
				Analogue 1H/1C	SE7350F5045	Page: 16, 30
			No	On-Off 1H/1C	SE7300C5045	Page: 28
				Floating 1H/1C	SE7300C5045	Page: 14
				Analogue 1H/1C	SE7300F5045	Page: 22, 24, 26
		Hospitality / Lodging	Yes	On-Off 1H/1C	SE7355C5045*	Page: 18, 20, 32
				Floating 1H/1C	SE7355C5045*	Page: 12, 34
				Analogue 1H/1C	SE7355F5045*	Page: 16, 30
			No	On-Off 1H/1C	SE7305C5045*	Page: 28
				Floating 1H/1C	SE7305C5045*	Page: 14
				Analogue 1H/1C	SE7305F5045*	Page: 22, 24, 26

*The Hospitality/Lodging models are identical to the commercial controllers except for the Override key which is replaced with a °C/°F key to switch between Celsius and Fahrenheit units.

Note: At the end of the model number, add **B** for BACnet communication, **E** for Echelon communication or

W for Zigbee wireless communication. Ex: SER7300A5045B or SER7300A5045E or SER7300A5045W

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

The Hospitality/Lodging models are identical to the commercial controllers except for the Override key which is replaced with a °C/°F key to switch between Celsius and Fahrenheit units. The only difference in the p/n is that the 6th character is a 5 instead of a zero - Example: SE7305 rather than SE7300.

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.



Open communications

Advance control of your building with truly open, integrated communications. Open protocol options include Zigbee[®] wireless, BACnet[®], and LonWorks[®] infrastructure.



Lower total install cost

Accelerate your return on investment by saving time and resources from the beginning. Our easy-to-install systems integrate into any new or existing building, with no requirement for costly, specialised labor.



Efficient control

Take full control of your building's HVAC equipment. We'll make it simple with intuitive, application-based products specifically designed for your needs.



Occupancy sensing

Equip your room controller with an integrated passive infrared motion sensor for demand-based occupancy control that raises your energy efficiency to a whole new level.



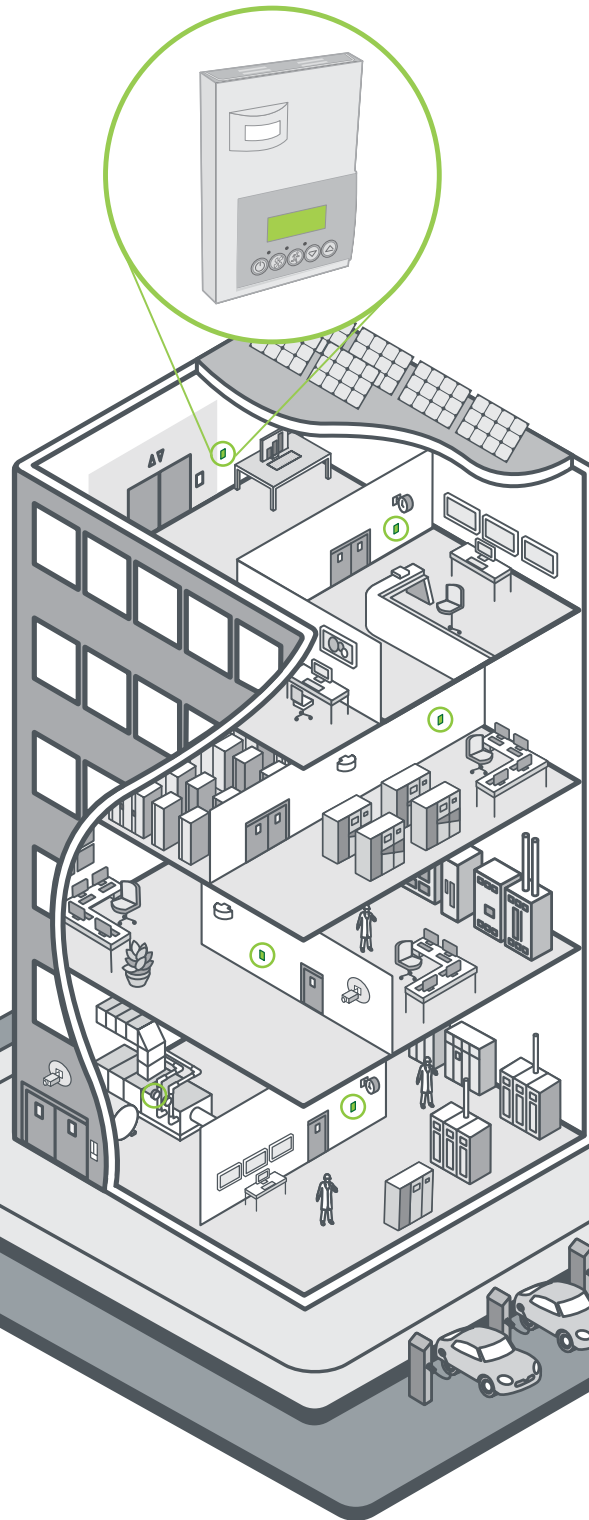
Energy savings

Save energy. Save money. With SE7000 Series room controllers you'll reduce energy costs without sacrificing comfort one bit.



Temperature and humidity sensing

Deliver efficient, measurable control. If you can measure it, you can control it — providing more precise occupant comfort and productivity.





Energy savings for a healthy bottom line.

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



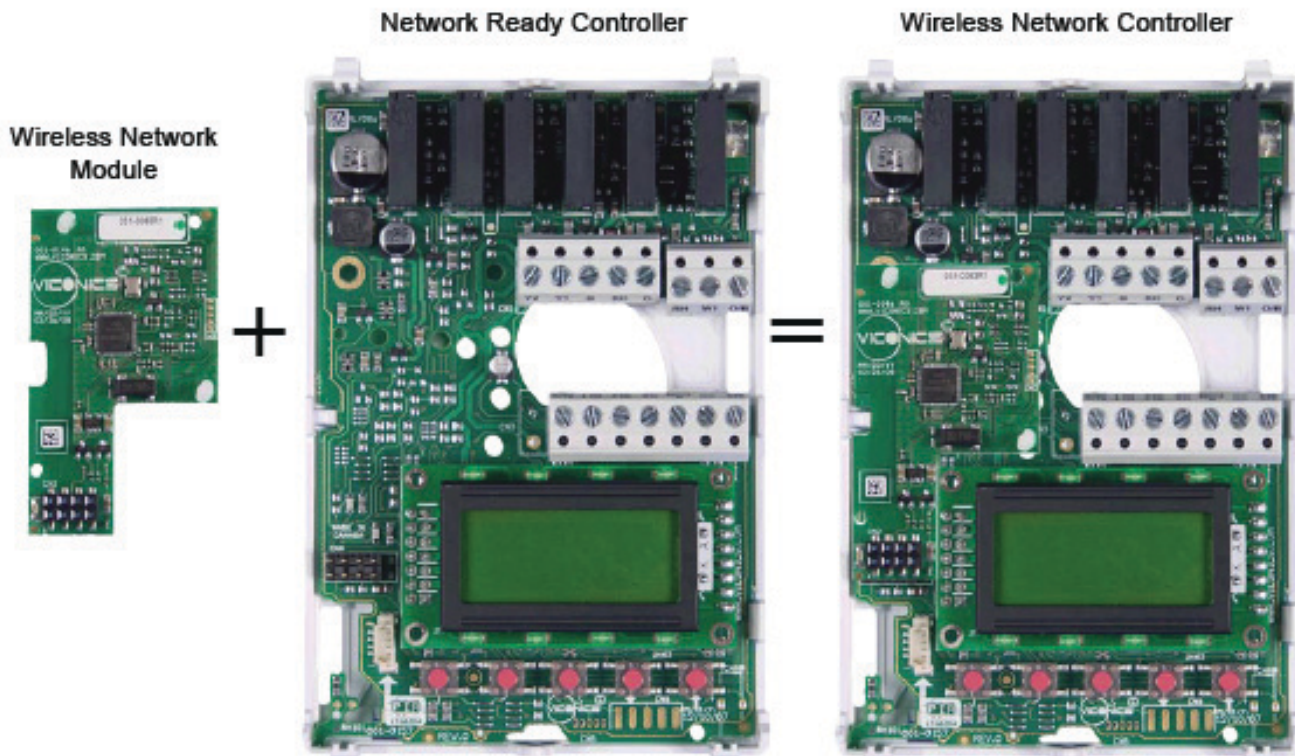
VCM7000 network ready communication adapters



All current “Network Ready” Schneider-Electric SE7000 controllers are capable of being retrofit in the field with accessory communication adapters that enables the controllers to be integrated into virtually all leading building automation systems

This approach allows the flexibility to add network communication strategies as budgets allow or as the buildings needs change.

If required, Network Ready (stand-alone) Terminal Equipment Controllers can be field retrofitted with the following communication adapters.



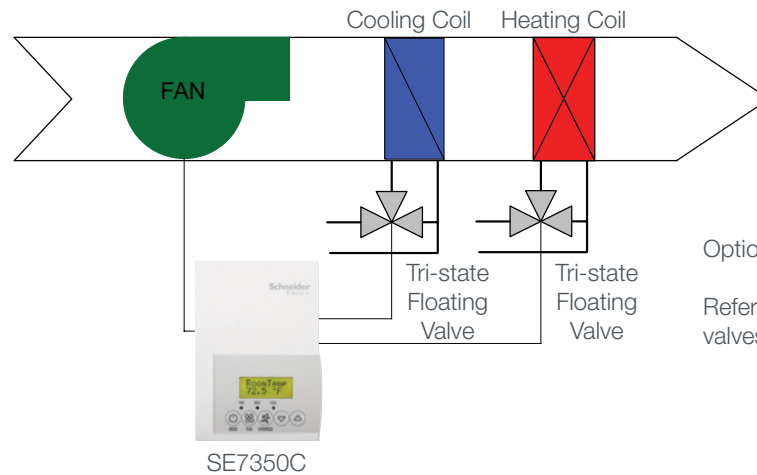


Comfortable workers are more productive.

Accelerate your return on investment with
SE7000 Series room controllers.



SE7350C5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, tri-state floating valves and dehumidification sequence



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
CntrlTyp	Floating
SeqOpera	4 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	N/A
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will modulate to maintain room temperature. Heating valve is closed. Dehumidification is enabled.

On a call for heat:

Heating valve will modulate to maintain room temperature. Cooling valve is closed. Dehumidification is disabled.

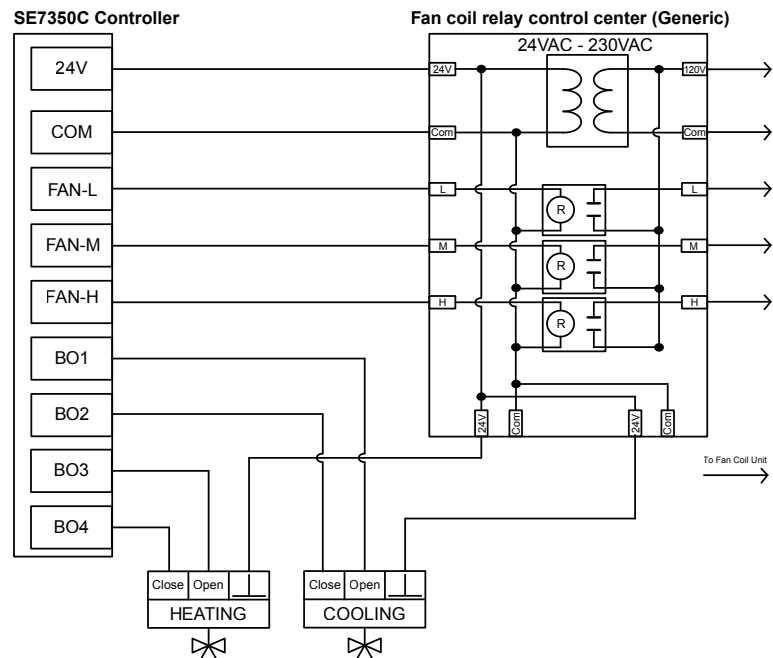
On a demand for dehumidification:

Dehumidification is achieved via the cooling coil for reheat if necessary.

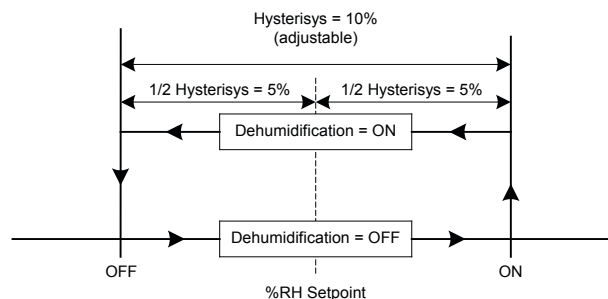
Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature. Which is the cooling setpoint minus the configuration defined deadband value.

Reheat is disabled if cooling demand reaches 100%.



Dehumidification ON/OFF Sequence:



Options

BACnet, Echelon and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

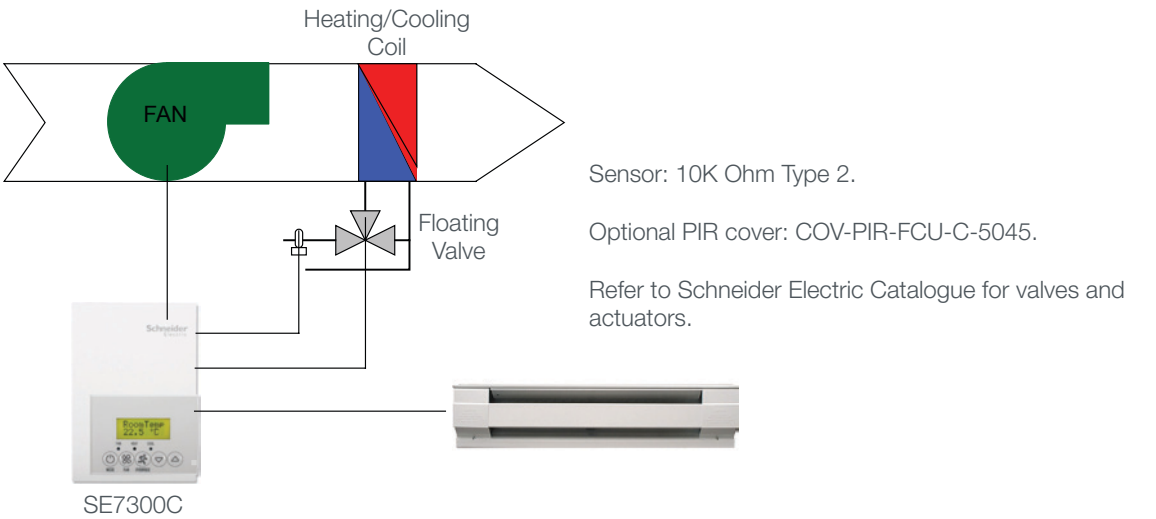
Analogue outputs available (SE73xxF5045).

Can be configured for 2 pipe systems.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Universal input can be configured for a changeover sensor.

SE7300C5045: Heating/cooling with changeover and reheat:
2-pipe fan coil unit with 3-speed fan, tri-state floating valve and
electric reheat.



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	COS
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
Lockout	As per user. Default value = 0 No lock
Pipe No	2.0
CntrlTyp	Floating
SeqOpera	2 = Cooling with Reheat
Fan Menu	2
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	N/A
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

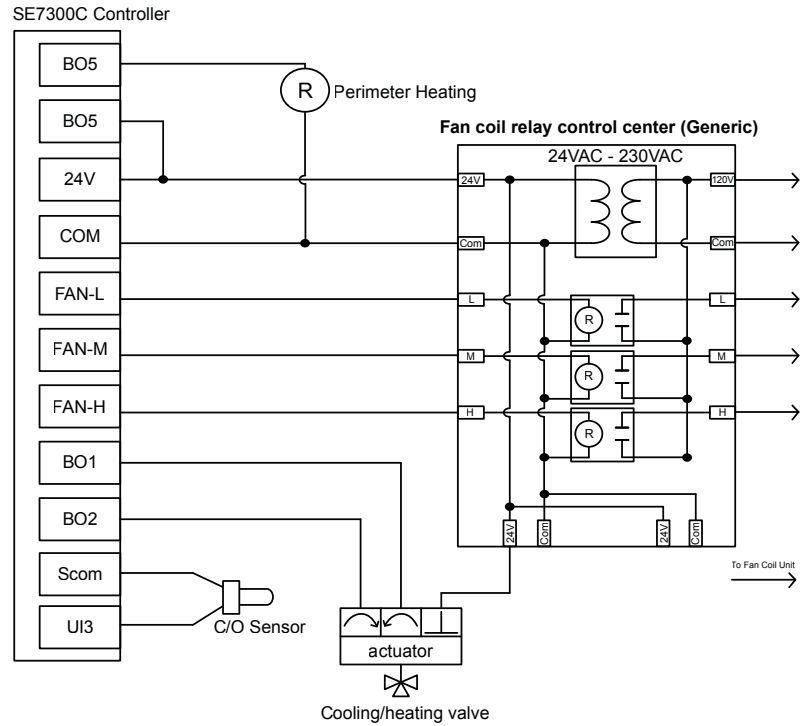
The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

If water temperature is less than 24°C (75°F), valve will open to allow water flow. If supply air temperature is greater than 25°C (77°F), valve will close. Baseboard is always deactivated.

On a call for heat:

If water temperature is less than 24°C (75°F), valve will close and the duct heater will be activated. If water temperature is greater than 25°C (77°F), valve will open to allow water flow. If the water flow is unable to satisfy the demand, the baseboard is activated.



Options

BACnet, Echelon and Wireless models available (see Appendix B for network wiring).

Analogue 0-10 VDC outputs available (SE73xxF5045).

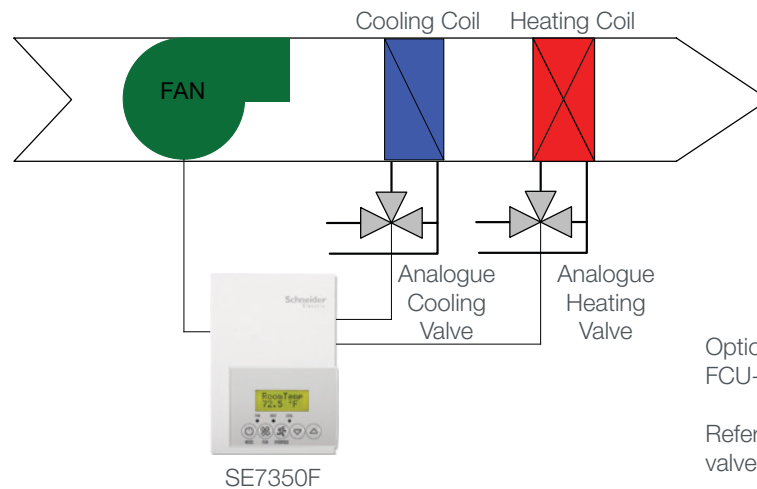
Remote wall mount or duct sensor ready.

Can be configured for 4 pipe systems.

Can be configured to single or two speed fan.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

SE7350F5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 0-10 VDC Analogue valves and dehumidification sequence



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
SeqOpera	4 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
RA/DA	Reverse Acting (RA) or Direct Acting (DA), depends on actuator
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will modulate to maintain room temperature. Heating valve is closed.

Dehumidification is enabled.

On a call for heat:

Heating valve will modulate to maintain room temperature. Cooling valve is closed.

Dehumidification is disabled.

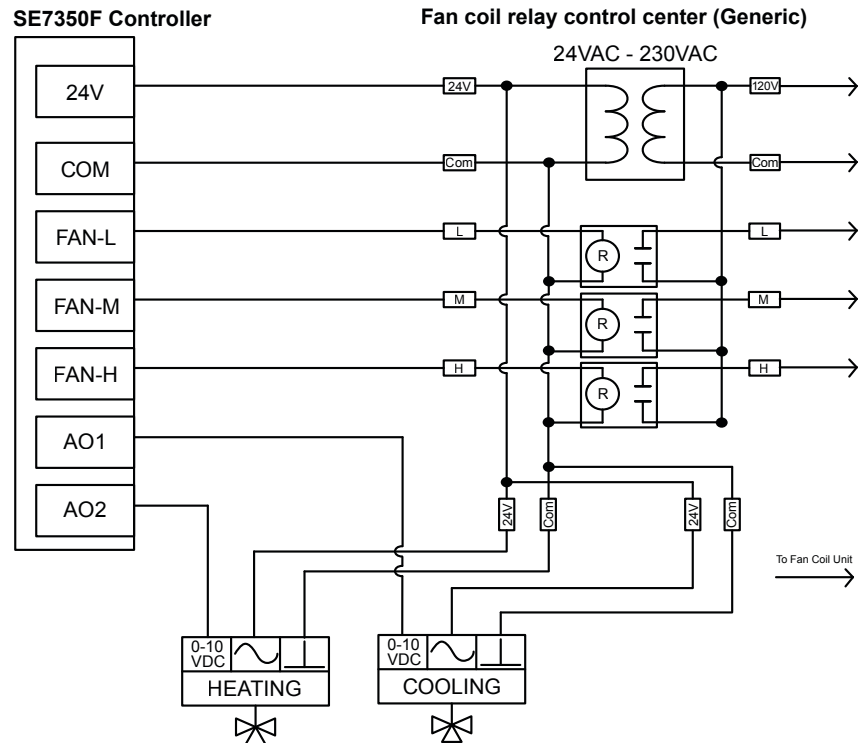
On a demand for dehumidification:

Dehumidification is achieved via the cooling coil for reheat if necessary.

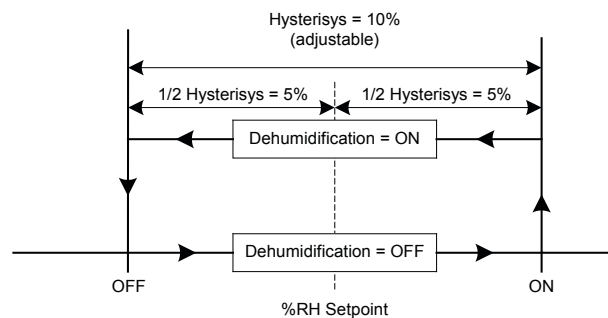
Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature. Which is the cooling setpoint minus the configuration defined deadband value.

Reheat is disabled if PI cooling demand reaches 100%.



ON/OFF Sequence:



Options

BACnet, Echelon and Wireless communication models available (see Appendix B for network wiring).

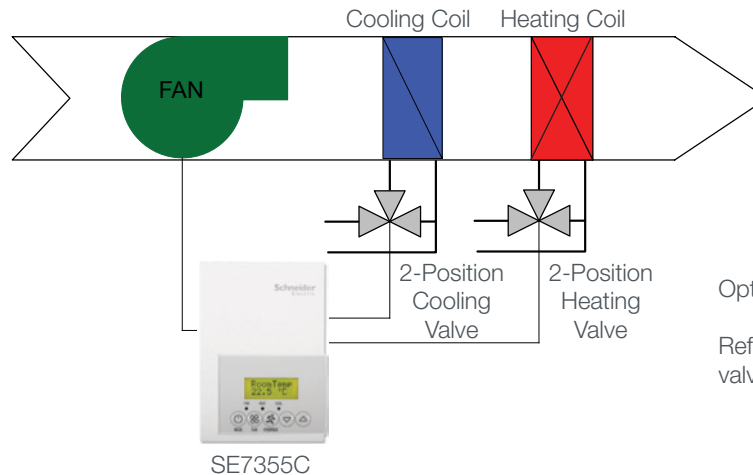
Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Universal input can be configured for a changeover sensor.

SE7355C5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 2-position valves, and dehumidification sequence



Optional PIR cover: COV-PIR-FCU-L-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
CntrlTyp	On/Off
SeqOpera	4 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	As per user. 4 to 8 CPH
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will open to maintain room temperature. Heating valve is closed. Dehumidification is enabled.

On a call for heat:

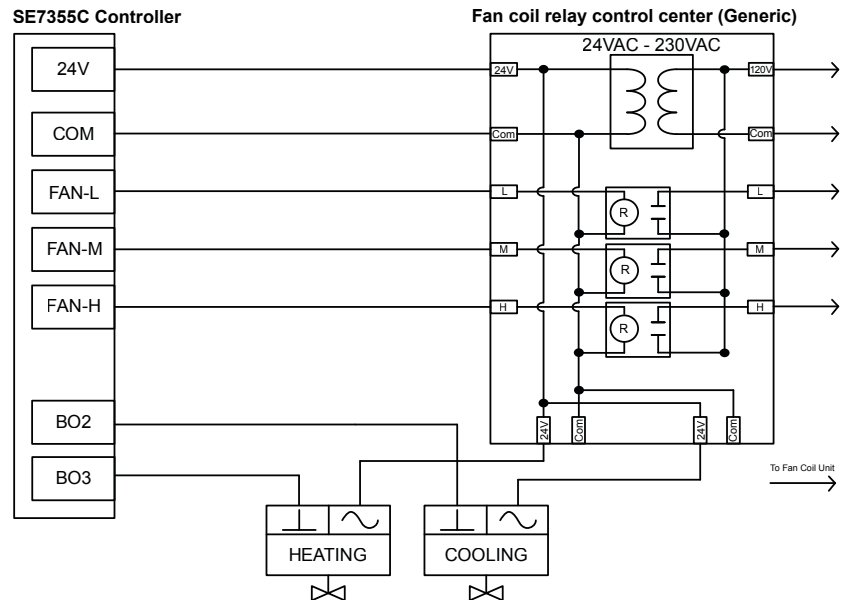
Heating valve will open to maintain room temperature. Cooling valve is closed. Dehumidification is disabled.

On a demand for dehumidification:

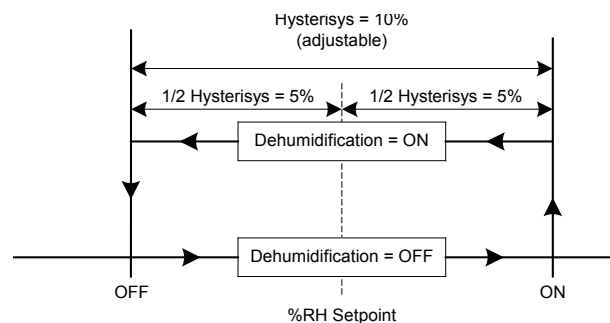
Dehumidification is achieved via the cooling coil for reheat if necessary.

Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature, which is the cooling setpoint minus the configuration defined deadband value.



Dehumidification ON/OFF Sequence:



Options

BACnet, Echelon and Wireless communication models available (see Appendix B for network wiring).

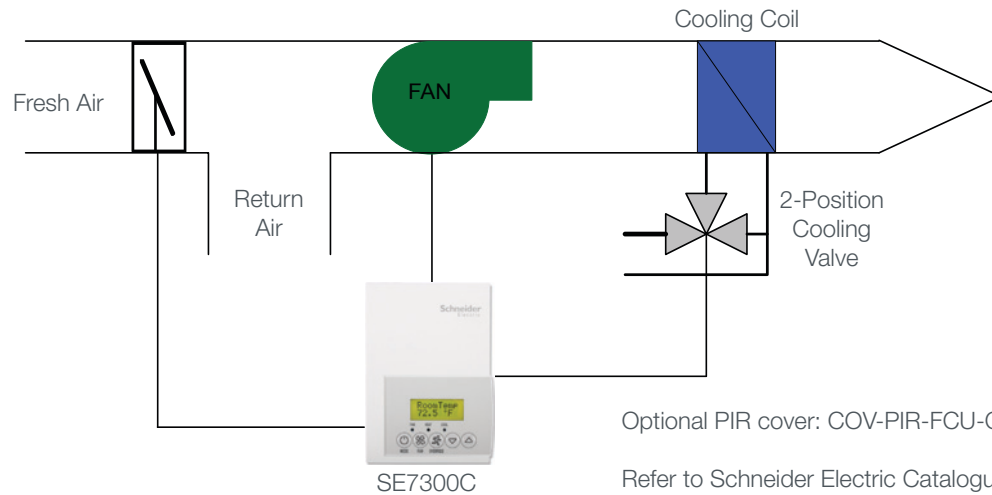
Models available with factory installed PIR cover.

Remote wall mount or duct sensor ready / Can be configured for 2 pipe systems.

Analogue outputs available (SE73xxF5045).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SE7300C5045: Cooling only: 2-pipe fan coil unit with single speed fan, 2-Position cooling valve and fresh air damper



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
Lockout	As per user. Default value = 0 No lock
Pipe No	2.0
CntrlTyp	On/Off
SeqOpera	0 = Cooling only
Fan Menu	4
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	1 (occupied=contact closed, unoccupied=contact open)
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	N/A
Reheat	Not used
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The auxiliary contact will close setting the fresh air damper to its minimum position.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

The auxiliary contact will open causing the fresh air damper to close completely.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

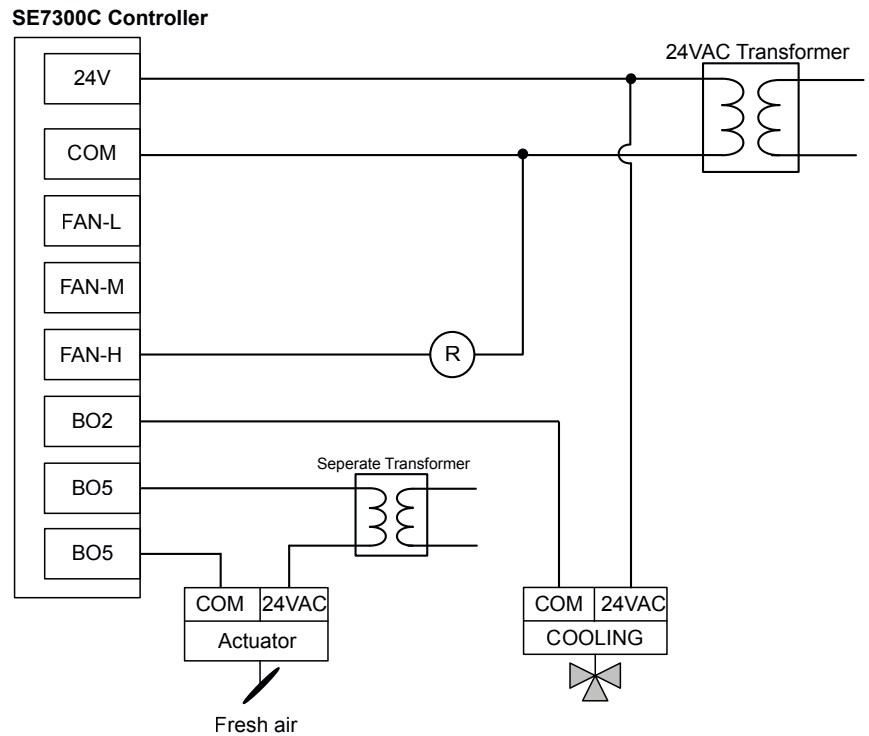
The auxiliary contact will close setting the fresh air damper to its minimum position.

On a call for cool:

Cooling valve will open.

On a call for heat:

Cooling valve will close.



Options

BACnet, Echelon and Wireless models available (see Appendix B for network wiring).

Analogue 0-10 VDC outputs available (SE73xxF5045).

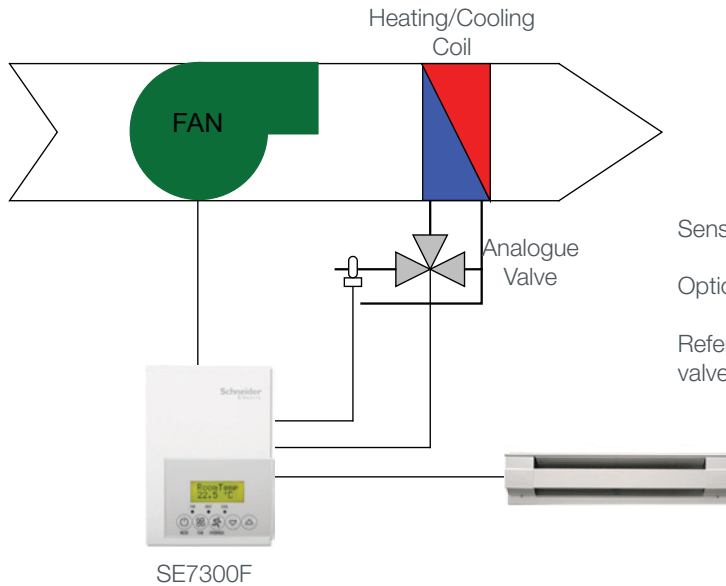
Remote wall mount or duct sensor ready.

Can be configured for 4 pipe systems.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Can be configured for two speed or three speed fan control.

SE7300F5045: heating/cooling with changeover sensor and reheat:
2-pipe fan coil unit with 3-speed fan, analogue valve, and
electric reheat



Sensor: 10K Ohm Type 2.

Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
Bl1	None
Bl2	None
UI3	COS
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
Lockout	As per user. Default value = 0 No lock
Pipe No	2.0
SeqOpera	2 = Cooling with Reheat
Fan Menu	2
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
RA/DA	As per Valve
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second) only if using SSR
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

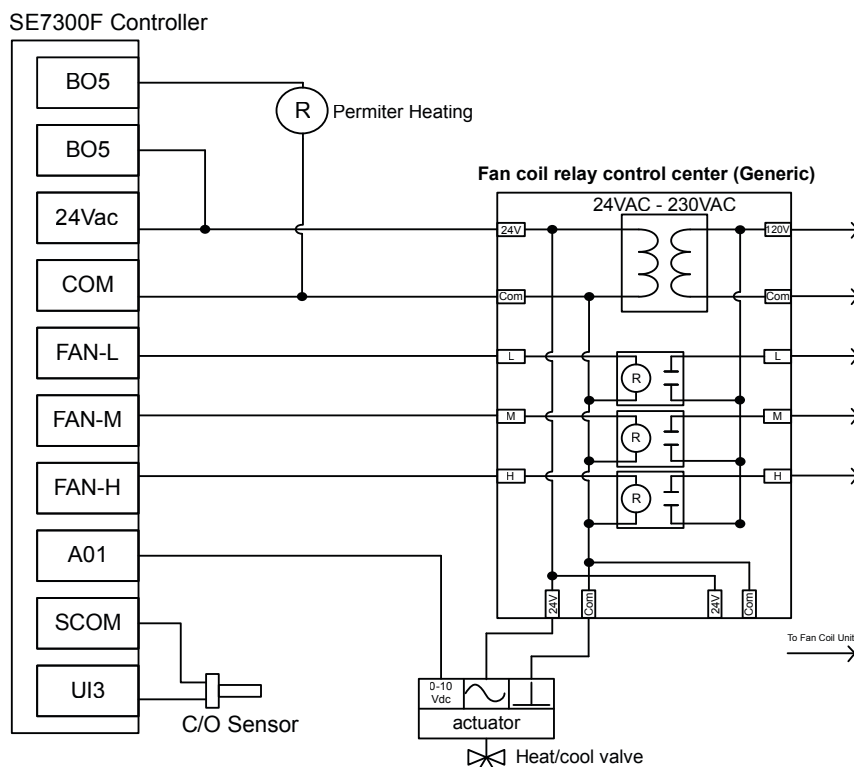
The system will revert to occupied mode for the duration determined by the “ToccTime” parameter.

On a call for cool:

If water's temperature is less than 24°C (75°F), valve will open to allow water flow. If supply air temperature is greater than 25°C (77°F), valve will close. Baseboard is always deactivated.

On a call for heat:

If water temperature is less than 24°C (75°F), valve will close and the baseboard will be activated. If water temperature is greater than 25°C (77°F), valve will open to allow water flow. If the water flow is unable to satisfy the demand, the baseboard is activated.



Options

BACnet, Echelon and Wireless models available (see Appendix B for network wiring).

Tri-State Floating outputs available (SE73xxC5045).

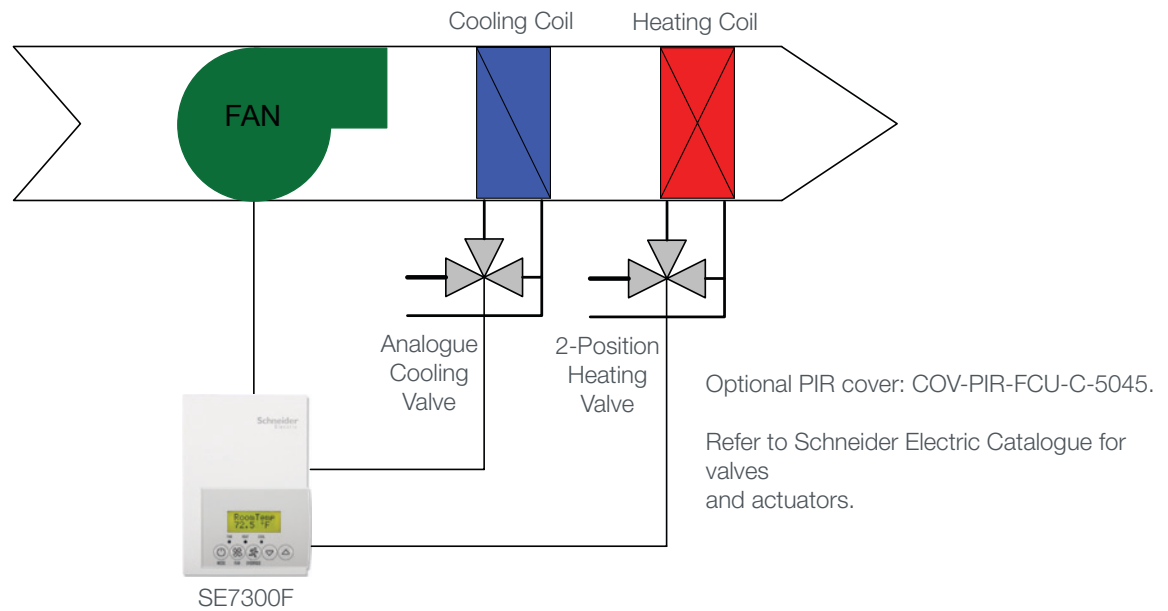
Remote wall mount or duct sensor ready.

Can be configured for 4 pipe systems.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Can be configured to single or two speed fan.

SE7300F5045: Cooling with reheat: 4-pipe fan coil unit with 3-speed fan, analogue cooling valve and on/off heating valve



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
SeqOpera	2 = Cooling with Reheat
Fan Menu	2
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
RA/DA	As per Valve
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second) only if using SSR
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

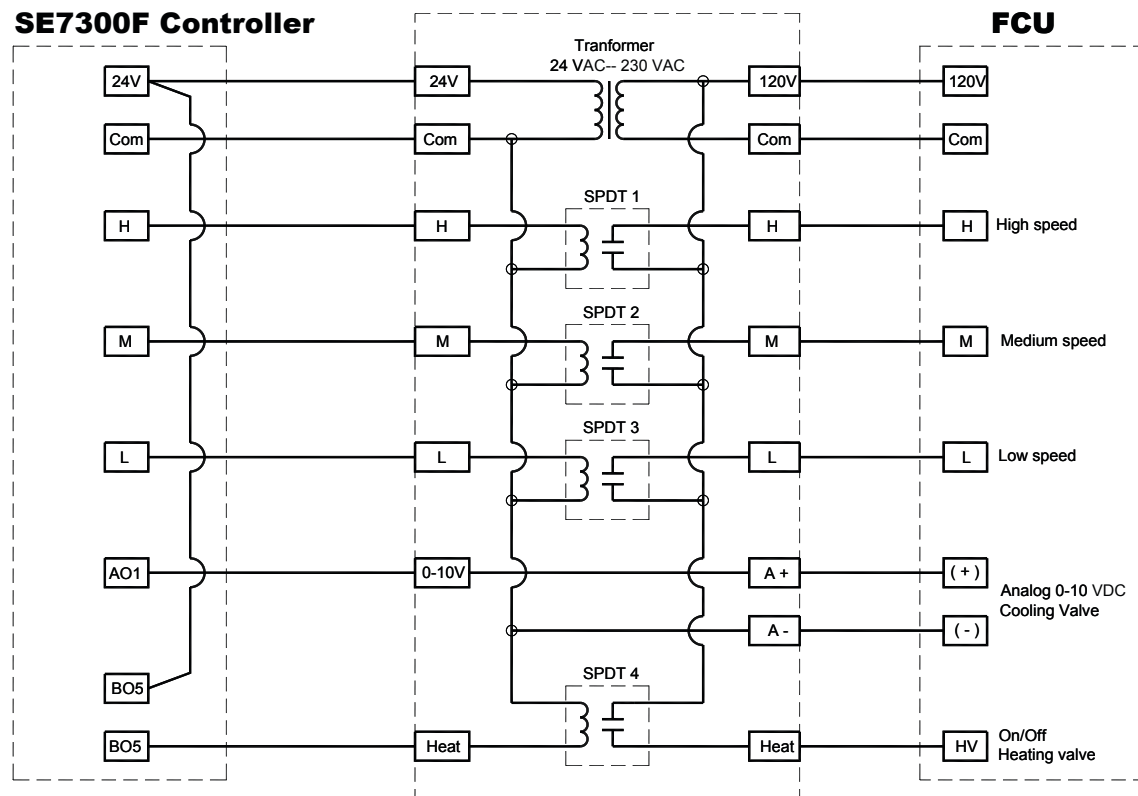
The system will revert to occupied mode for the duration determined by the “ToccTime” parameter.

On a call for cool:

The Analogue valve will start modulating based on the cooling demand.

On a call for heat:

The heating valve will open.



Options

BACnet, Echelon and Wireless models available (see Appendix B for network wiring).

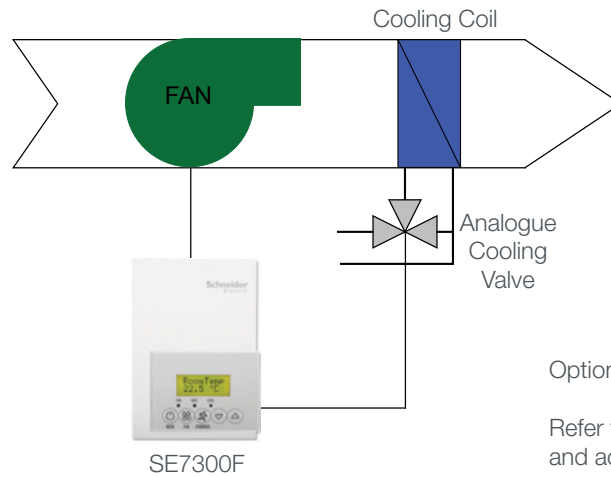
Tri-State Floating outputs available (SE73xxF5045).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems / Can be configured to single or two speed fan.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

SE7300F5045: Cooling only: 2-pipe fan coil unit with 3-speed fan and 0-10 VDC analogue cooling valve



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	COS
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
Lockout	As per user. Default value = 0 No lock
Pipe No	2.0
SeqOpera	0 = Cooling Only
Fan Menu	4
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
cph	N/A
RA/DA	As per Valve
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second) only if using SSR
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

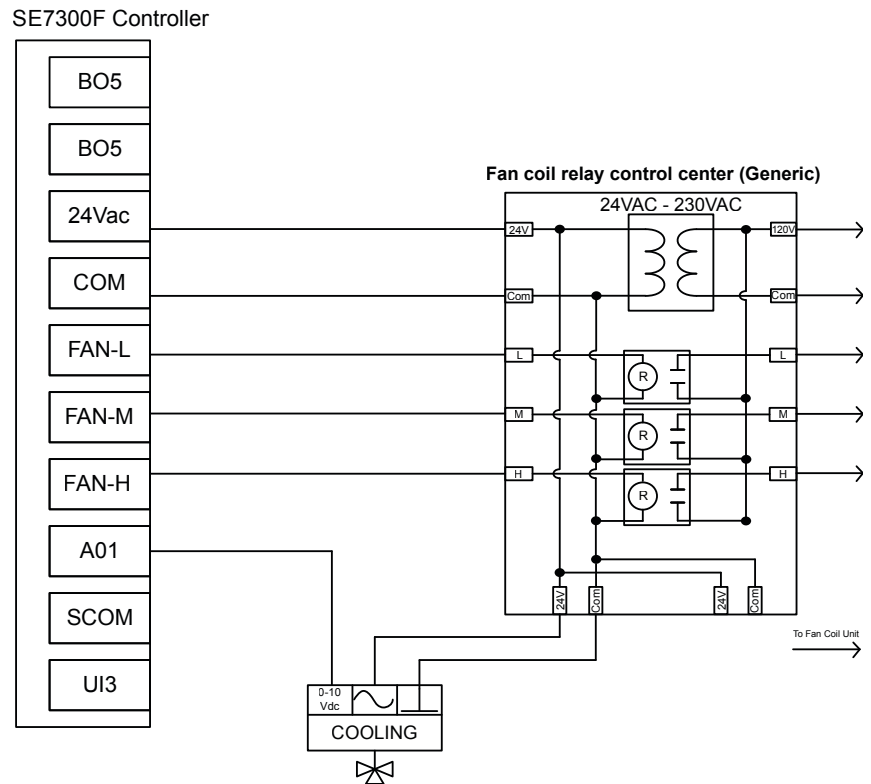
The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Analogue valve will modulate allowing cool air to flow to reach the setpoint.

On a call for heat:

Valve will close



Options

BACnet, Echelon and Wireless models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

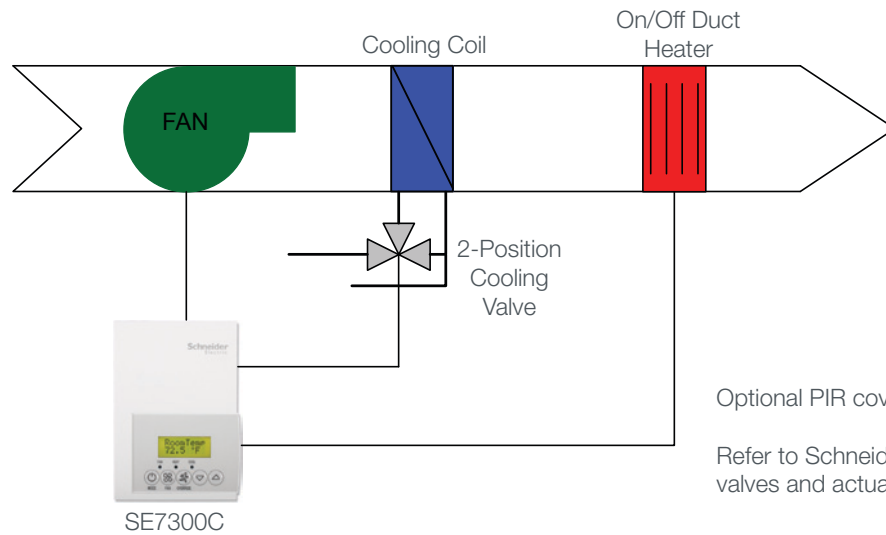
Tri-State Floating outputs available (SE73xxC5045)

Can be configured for 4 pipe systems.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Can be configured to two or three speed fan.

SE7300C5045: Cooling with reheat: 2-pipe fan coil unit with 3-speed fan, 2-position valve and electric reheat



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
Lockout	As per user. Default value = 0 No lock
Pipe No	2.0
CntrlTyp	On/Off
SeqOpera	2 = Cooling with Reheat
Fan Menu	2
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	N/A
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

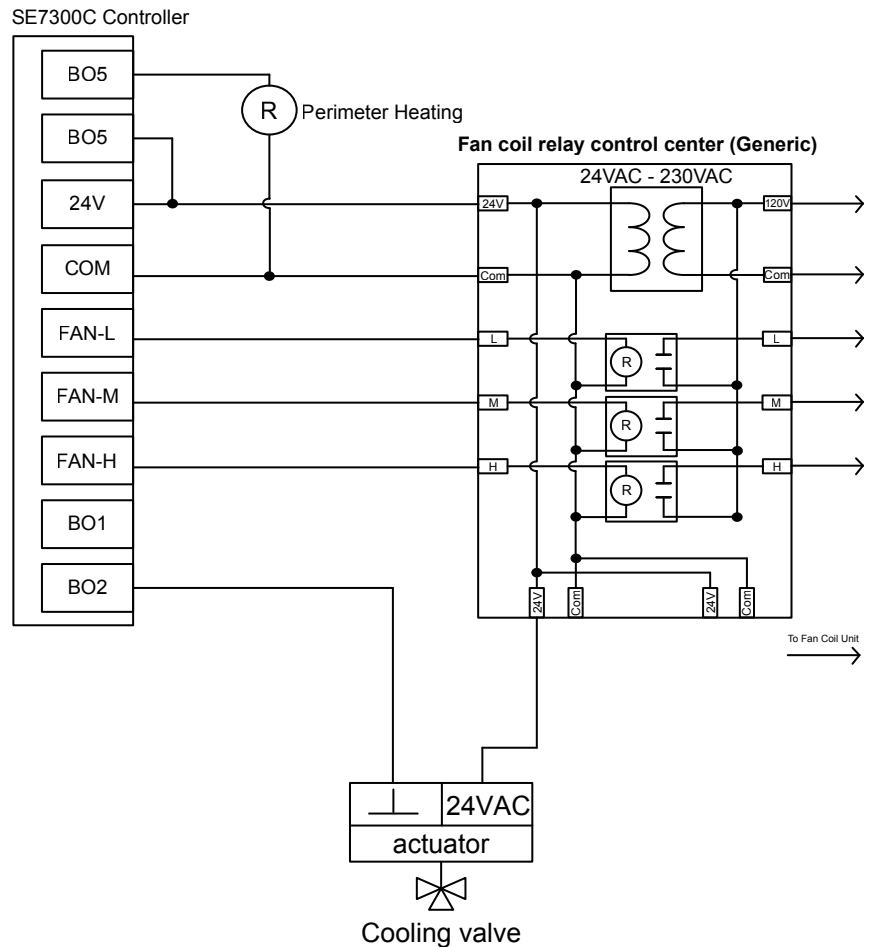
The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will open. Electric heat will stay Off.

On a call for heat:

Valve will close. Electric heat will be activated.



Options

BACnet, Echelon and Wireless models available (see Appendix B for network wiring).

Analogue 0-10 VDC outputs available (SE73xxF5045).

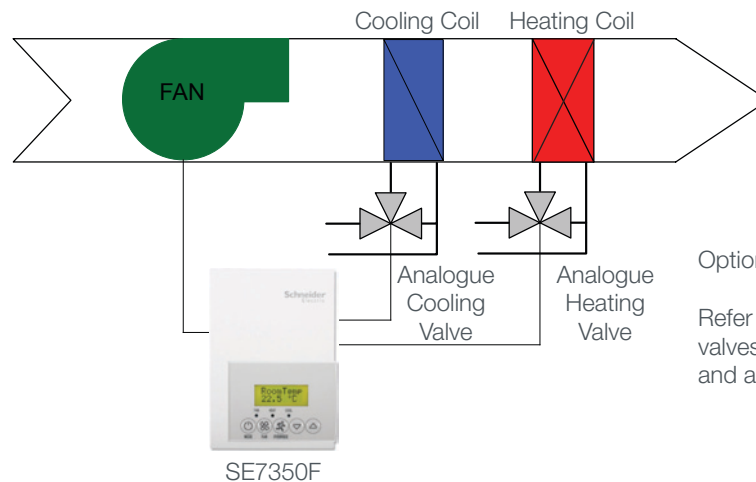
Remote wall mount or duct sensor ready.

Can be configured for 4 pipe systems.

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Can be configured to single or two speed fan.

SE7350F5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 0-10 VDC analogue valves and dehumidification sequence



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
SeqOpera	4 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
RA/DA	Reverse Acting (RA) or Direct Acting (DA), depends on actuator
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will modulate to maintain room temperature. Heating valve is closed.

Dehumidification is enabled.

On a call for heat:

Heating valve will modulate to maintain room temperature. Cooling valve is closed.

Dehumidification is disabled.

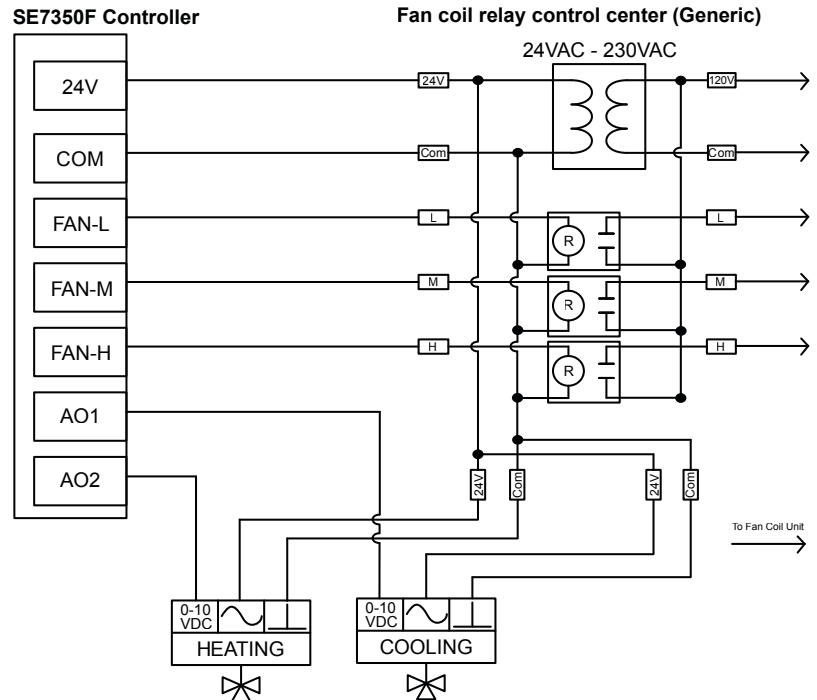
On a demand for dehumidification:

Dehumidification is achieved via the cooling coil for reheat if necessary.

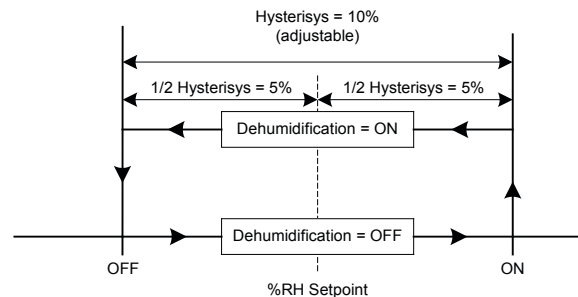
Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature. Which is the cooling setpoint minus the configuration defined deadband value.

Reheat is disabled if PI cooling demand reaches 100%.



Dehumidification ON/OFF sequence:



Options

BACnet, Echelon and Wireless communication models available (see Appendix B for network wiring).

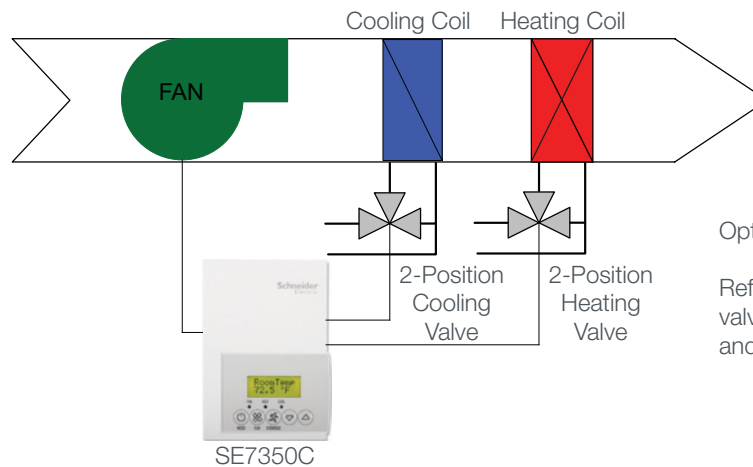
Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Universal input can be configured for a changeover sensor.

SE7350C5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 2-position valves, and dehumidification sequence



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
CntrlTyp	On/Off
SeqOpera	4 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments.)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	As per user. 4 to 8 CPH
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will open to maintain room temperature. Heating valve is closed. Dehumidification is enabled.

On a call for heat:

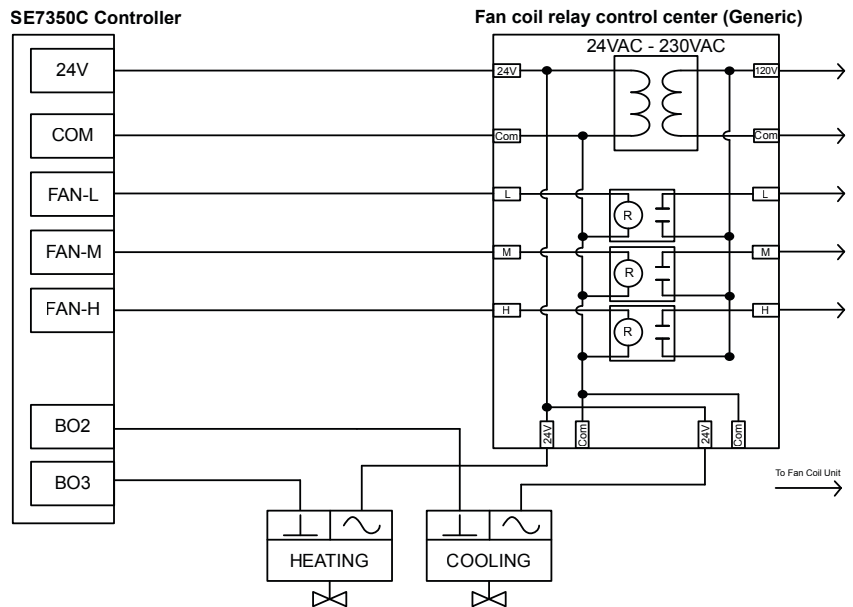
Heating valve will open to maintain room temperature. Cooling valve is closed. Dehumidification is disabled.

On a demand for dehumidification:

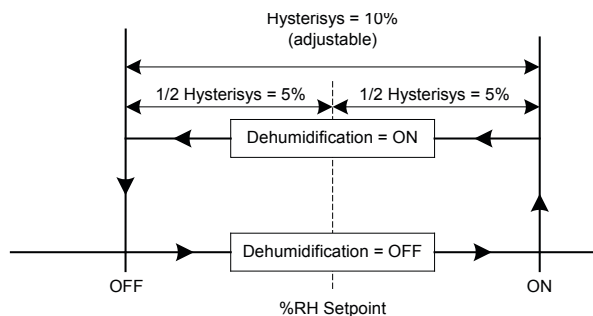
Dehumidification is achieved via the cooling coil for reheat if necessary.

Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature, which is the cooling setpoint minus the configuration defined deadband value.



Dehumidification ON/OFF Sequence:



Options

BACnet, Echelon and Wireless communication models available (see Appendix B for network wiring).

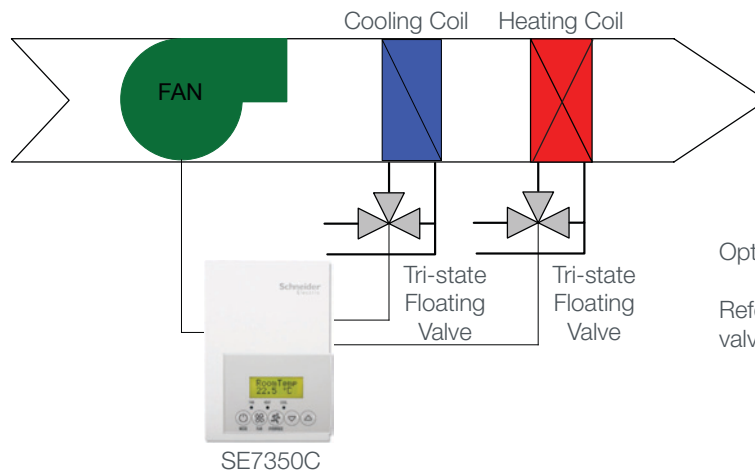
Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Analogue outputs available (SE73xxF5045).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SE7350C5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, tri-state floating valves and dehumidification sequence



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
UI3	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
Pipe No	4.0
CntrlTyp	Floating
SeqOpera	4 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	2 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C). Range = 2, 3, 4 or 5 °F, 1.0 °F increments (1.0 to 2.5 °C, 0.5 °C increments)
cal RS	0 °F or °C
cal RH	0 °F or °C
aux cont	0
Auto Fan	AS or AS AD
FL time	As per user. Default value = 1.5 minutes. Range 0.5 to 9.0 in 0.5 minutes increments
cph	N/A
Reheat	0 for ON/OFF (4CPH), 1 for PWM (10 second)
UI3 dis	Displays supply air temperature

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

The changeover sensor will send the supply air temperature to the controller.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the “ToccTime” parameter.

On a call for cool:

Cooling valve will modulate to maintain room temperature. Heating valve is closed. Dehumidification is enabled.

On a call for heat:

Heating valve will modulate to maintain room temperature. Cooling valve is closed. Dehumidification is disabled.

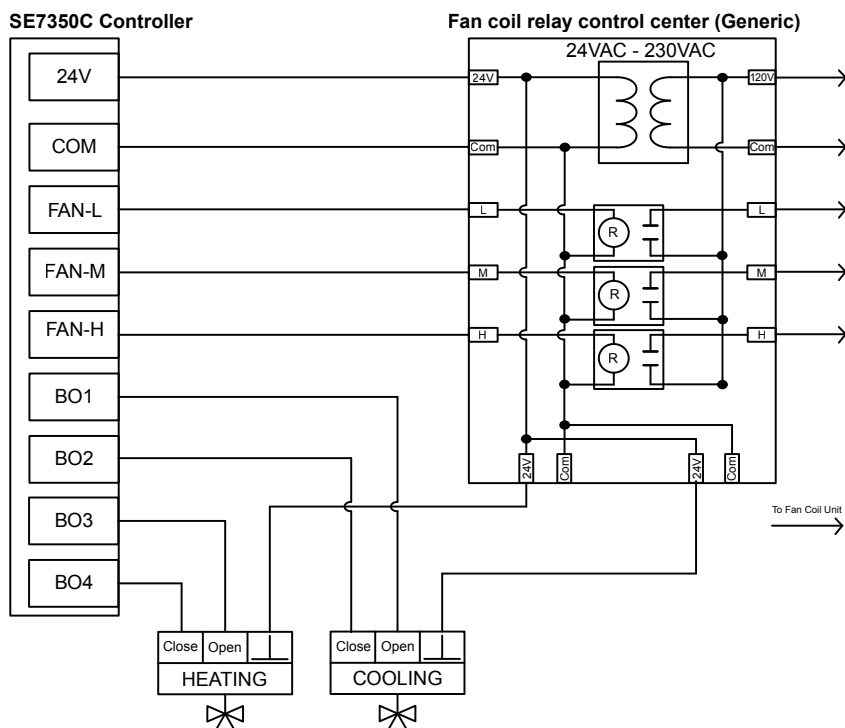
On a demand for dehumidification:

Dehumidification is achieved via the cooling coil using the heating coil for reheat if necessary.

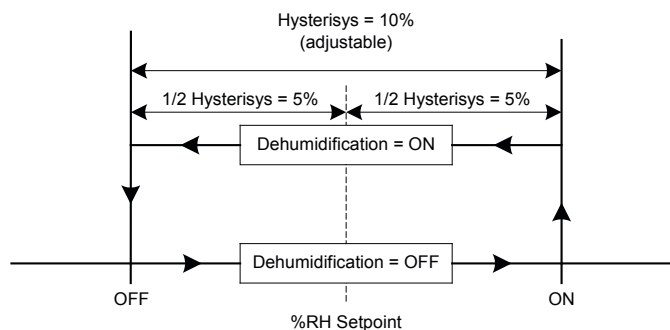
Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature. Which is the cooling setpoint minus the configuration defined deadband value.

Reheat is disabled if cooling demand reaches 100%.



Dehumidification ON/OFF Sequence:



Options

BACnet, Echelon and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

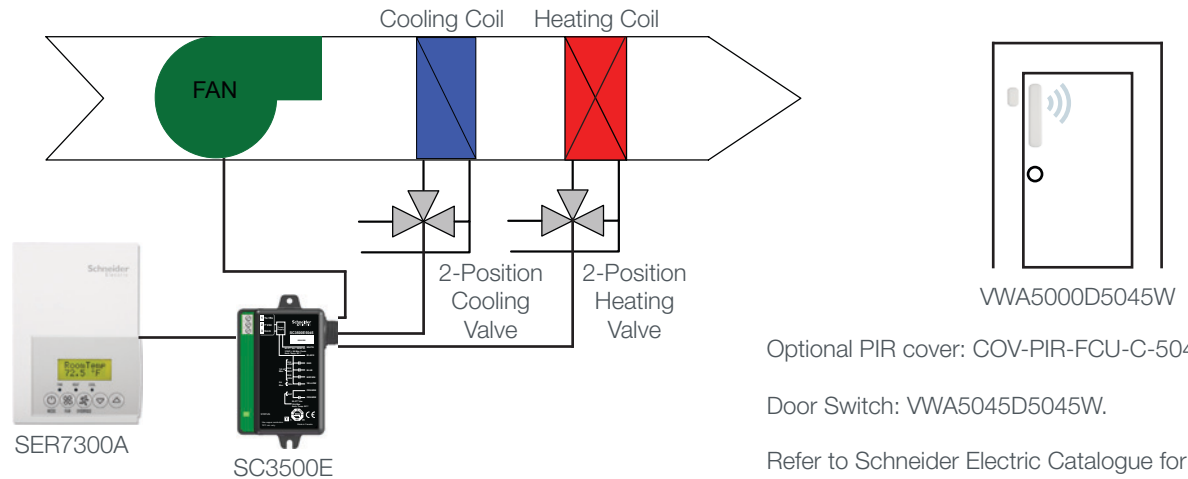
Analogue outputs available (SE73xxF5045).

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring.

Universal input can be configured for a changeover sensor.

SER7300A5045 - SC3500E5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 2-position valves with wireless door switch



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	Door
BI2	None
RUI1	None
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	OFF
Lockout	As per user. Default value = 0 No lock
PulsedHt	OFF
Pipe No	4.0
SeqOpera	2 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

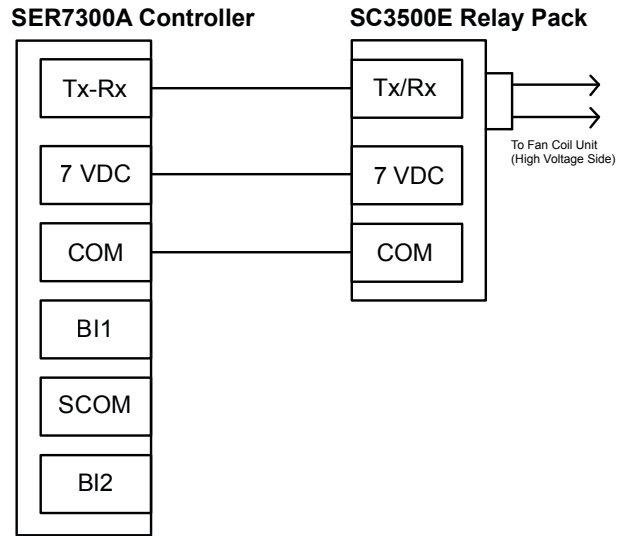
Cooling valve will open to maintain room temperature. Heating valve is closed.

On a call for heat:

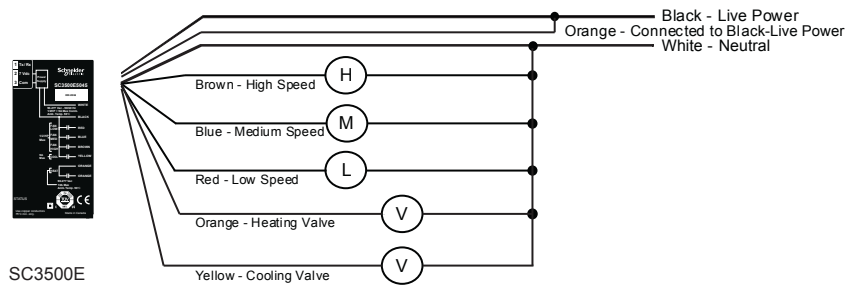
Heating valve will open to maintain room temperature. Cooling valve is closed.

Wireless Door Switch:

The wireless door switch will automatically toggle occupancy. See page 48 for more details.



Typical Wiring Example for SC Relay Pack



For 2 pipe applications use cooling valve yellow wire connection

For electric reheat applications where current draw is under above 10A use a line powered coil pilot duty relay contactor for the heating element in place of the heating valve.

Options

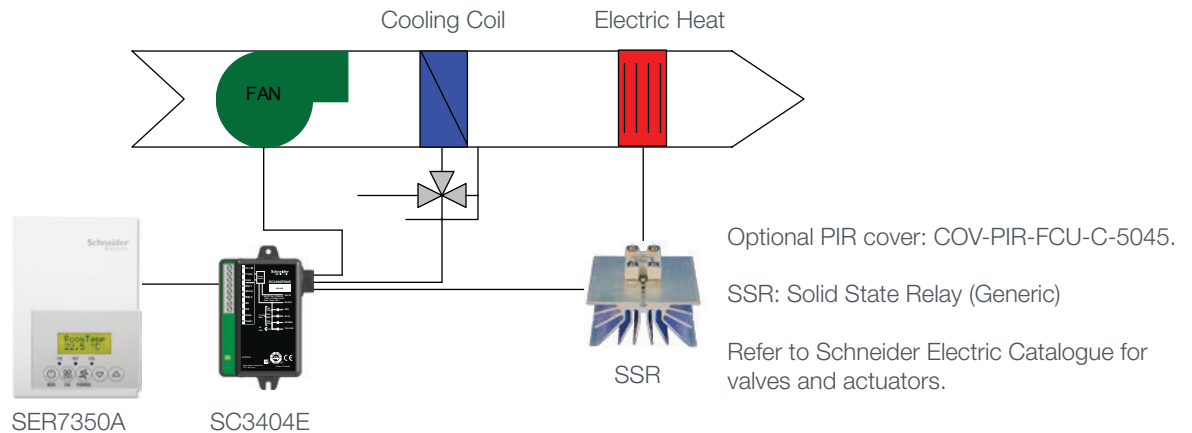
BACnet and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7350A5045 - SC3404E5045: Cooling and electric heat: 2-pipe fan coil unit with 3-speed fan, dehumidification, 2-position valves



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
RUI1	None
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
PulsedHt	ON
Pipe No	2.0
SeqOpera	2 = Cooling with Reheat
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will open to maintain room temperature. Heating valve is closed. Dehumidification is enabled.

On a call for heat:

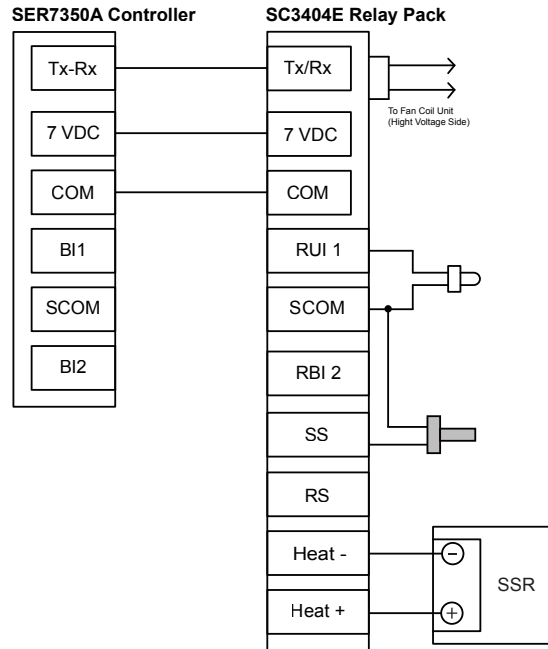
Heating valve will open to maintain room temperature. Cooling valve is closed. Dehumidification is disabled.

On a demand for dehumidification:

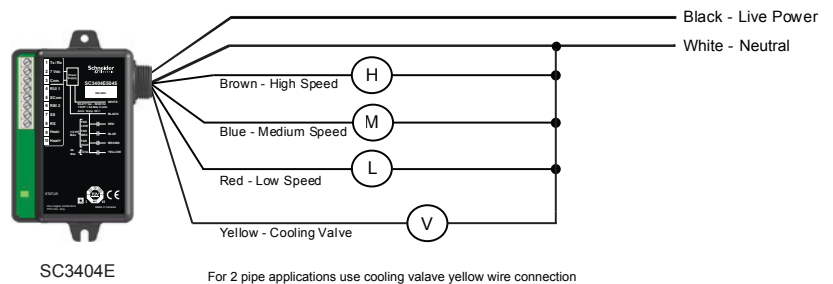
Dehumidification is achieved via the cooling coil using the heating coil for reheat if necessary.

Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature, which is the cooling setpoint minus the configuration defined deadband value.



Typical Wiring Example for SC Relay Pack



For 2 pipe applications use cooling valve yellow wire connection

For electric reheat applications where current draw is under above 10A use a line powered coil pilot duty relay contactor for the heating element in place of the heating valve.

Options

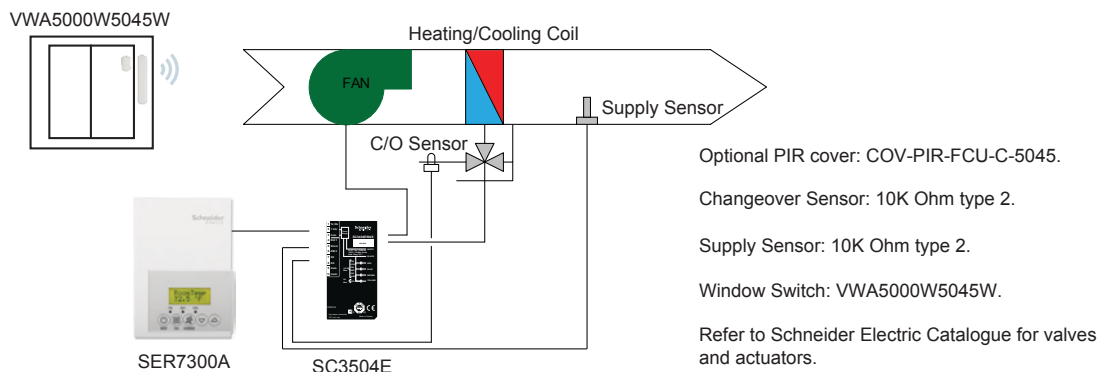
BACnet and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7300A5045 - SC3504E5045: Heating/cooling with changeover sensor: 2-pipe fan coil unit with 3-speed fan and wireless window switch



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	Window
BI2	None
RUI1	COS
RBI2	None
MenuScro	ON
AutoMode	ON
Cor F	As per user. Default value = °F
%RH disp	OFF
Lockout	As per user. Default value = 0 No lock
PulsedHt	OFF
Pipe No	2.0
SeqOpera	0 = Cooling only
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or ASAD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

If the supply water temperature is less than 24°C (75F), the cooling valve will open to maintain room temperature. Heating valve is closed.

On a call for heat:

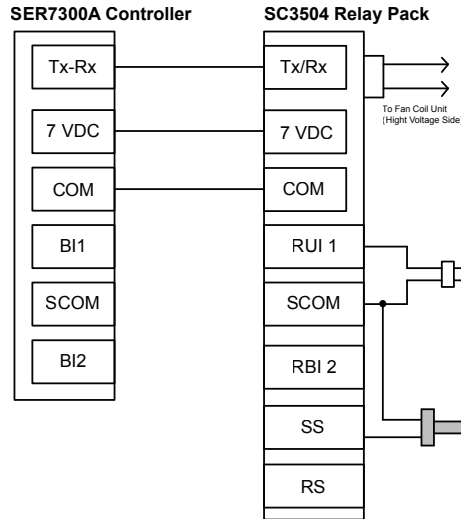
If the supply water temperature is greater than 25°C (77F), the heating valve will open to maintain room temperature. Cooling valve is closed.

Supply Air Sensor:

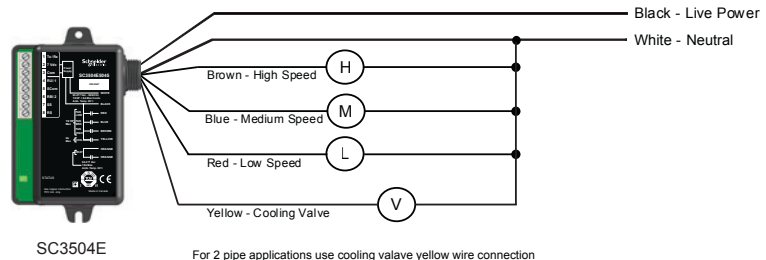
Only used for monitoring. Will be displayed automatically if sensor is connected.

Wireless Window Switch:

The wireless window switch will automatically lock out heating/cooling when window is opened. See page 48 for more details.



Typical Wiring Example for SC Relay Pack



For electric reheat applications where current draw is under above 10A use a line powered coil pilot duty relay contactor for the heating element in place of the heating valve.

Options

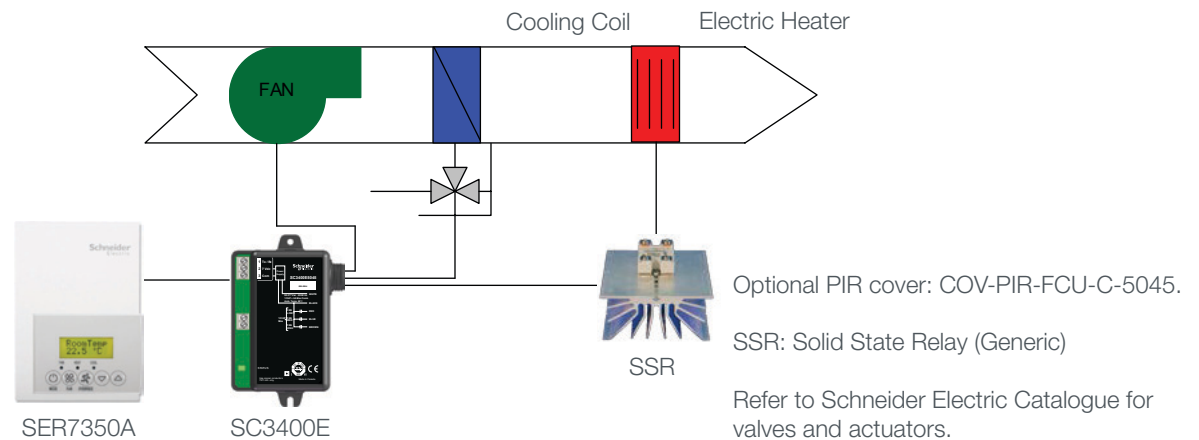
BACnet and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7350A5045 - SC3400E5045: Cooling and electric heat: 2-pipe fan coil unit with 3-speed fan and dehumidification, 2-position valves



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
RUI1	None
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	ON
Lockout	As per user. Default value = 0 No lock
PulsedHt	ON
Pipe No	2.0
SeqOpera	2 = Cooling with Reheat
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

Cooling valve will open to maintain room temperature. Heating valve is closed. Dehumidification is enabled.

On a call for heat:

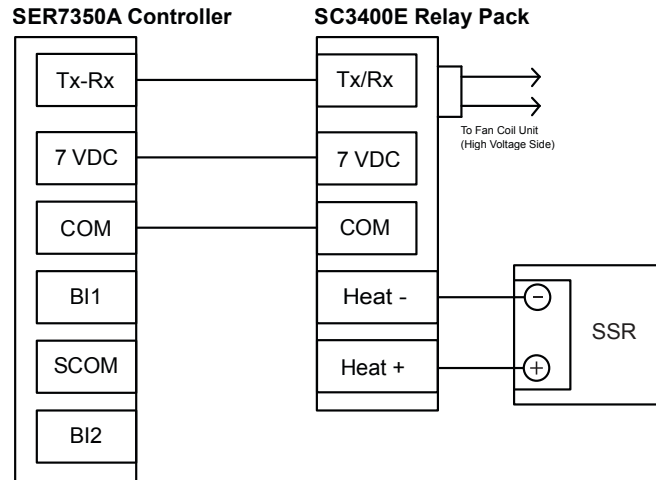
Electric heat will operate to maintain room temperature. Cooling valve is closed. Dehumidification is disabled.

On a demand for dehumidification:

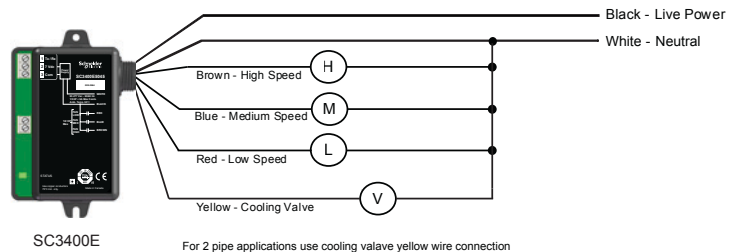
Dehumidification is achieved via the cooling coil using the heating coil for reheat if necessary.

Dehumidification is only allowed in COOL mode (or if cooling is enabled in AUTO mode).

Dehumidification is disabled if the room temperature falls below the low ambient lockout temperature, which is the cooling setpoint minus the configuration defined deadband value.



Typical Wiring Example for SC Relay Pack



Options

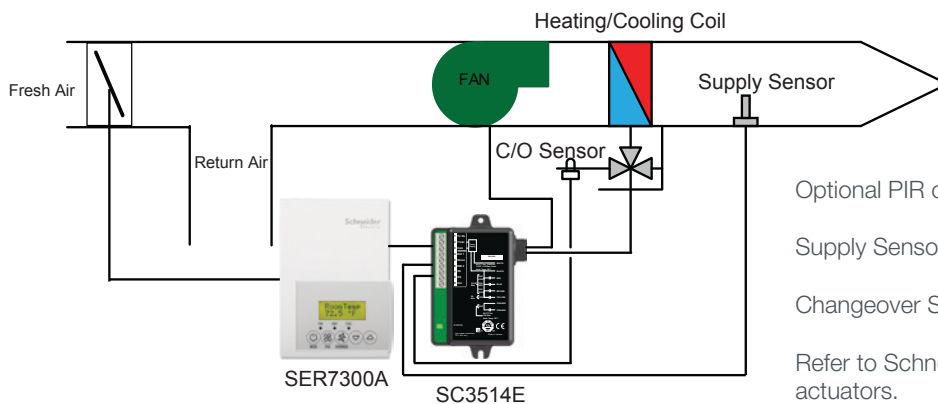
BACnet and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7300A5545 - SC3514E5045: Heating/cooling: 2-pipe fan coil unit with 3-speed fan and fresh air damper, 2-position valves



Optional PIR cover: COV-PIR-FCU-C-5045.

Supply Sensor: 10K Ohm type 2.

Changeover Sensor: 10K Ohm type 2.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
RUI1	COS
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	OFF
Lockout	As per user. Default value = 0 No lock
PulsedHt	Occ
Pipe No	2.0
SeqOpera	0 = Cooling only
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating. The occupancy output will open the fresh air damper to minimum position.

Stand-by Mode (only available when PIR motion detector cover is used):

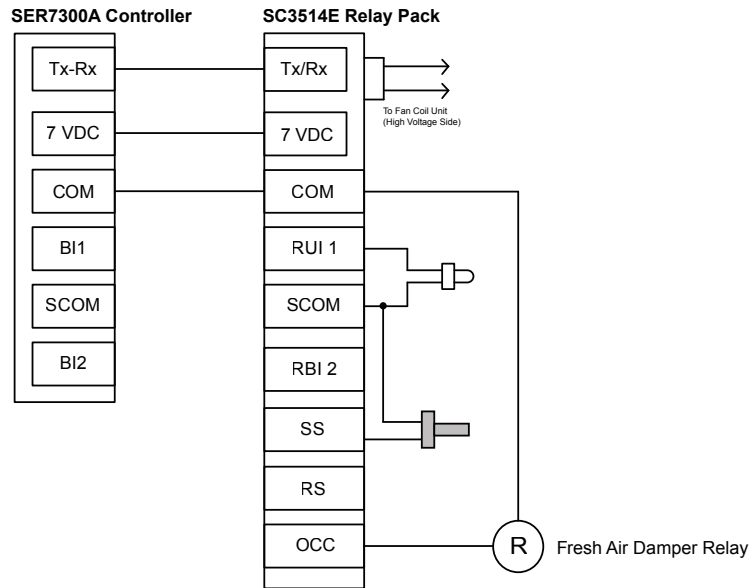
Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling. The fresh air damper will close.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.



On a call for cool:

If the supply water temperature is less than 24°C (75F), the cooling valve will open to maintain room temperature. Heating valve is closed.

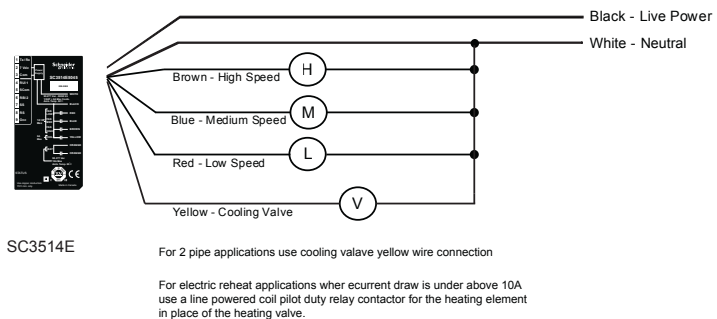
On a call for heat:

If the supply water temperature is greater than 25°C (77F), the heating valve will open to maintain room temperature. Cooling valve is closed.

Supply Air Sensor:

Only used for monitoring. Will be displayed automatically if sensor is connected.

Typical Wiring Example for SC Relay Pack



Options

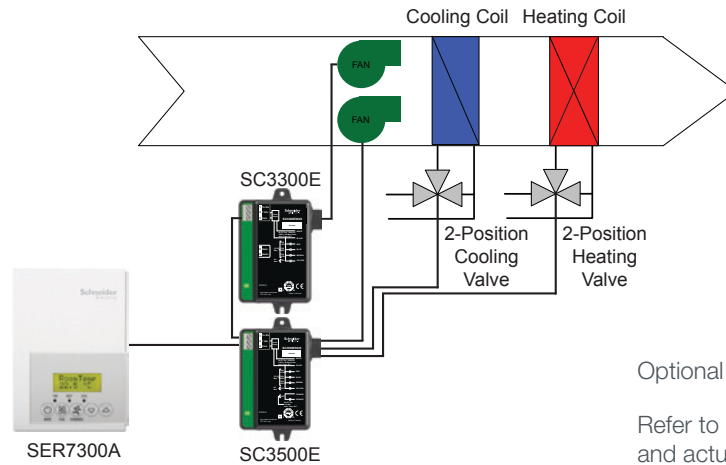
BACnet and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7300A5045 -SC3500E5045 -SC3300E5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 2-position valves with slave relay pack



Optional PIR cover: COV-PIR-FCU-C-5045.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	None
BI2	None
RUI1	None
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	OFF
Lockout	As per user. Default value = 0 No lock
PulsedHt	OFF
Pipe No	4.0
SeqOpera	2 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

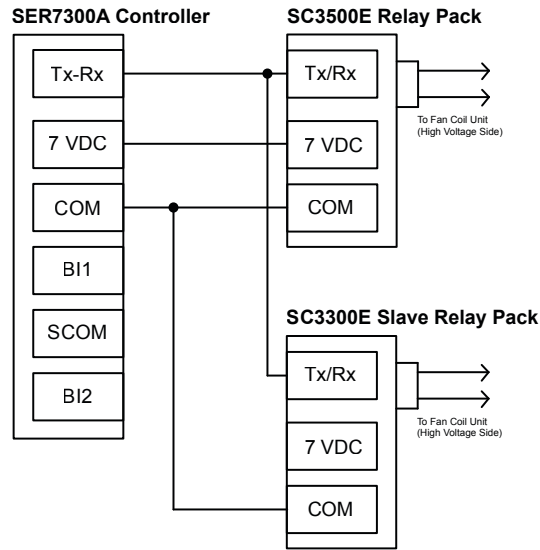
The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

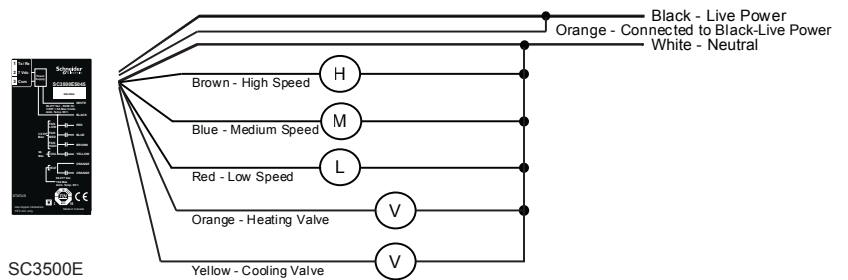
Cooling valve will open to maintain room temperature. Heating valve is closed.

On a call for heat:

Heating valve will open to maintain room temperature. Cooling valve is closed.



Typical Wiring Example for SC Relay Pack



For 2 pipe applications use cooling valve yellow wire connection

For electric reheat applications where current draw is under above 10A use a line powered coil pilot duty relay contactor for the heating element in place of the heating valve.

Options

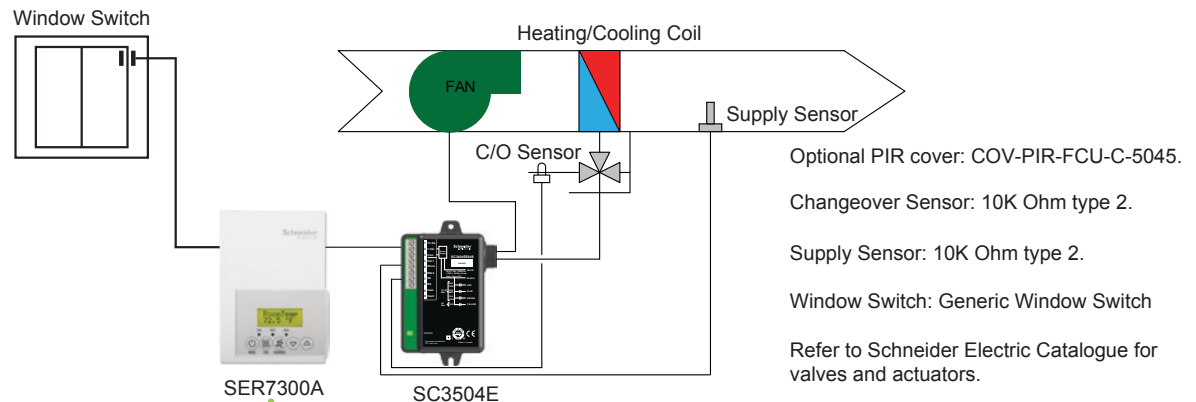
BACnet and Wireless communication models available (see Appendix B for network wiring).

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7300A5045 - SC3504E5045: Cooling and electric heat: 2-pipe fan coil unit with 3-speed fan, 2-position valves with wired window switch



Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	Window
BI2	None
RUI1	COS
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	OFF
Lockout	As per user. Default value = 0 No lock
PulsedHt	OFF
Pipe No	2.0
SeqOpera	2 = Cooling with Electric Reheat
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
DoorTime	N/A
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

If the supply water temperature is less than 24°C (75F), the cooling valve will open to maintain room temperature. Heating valve is closed.

On a call for heat:

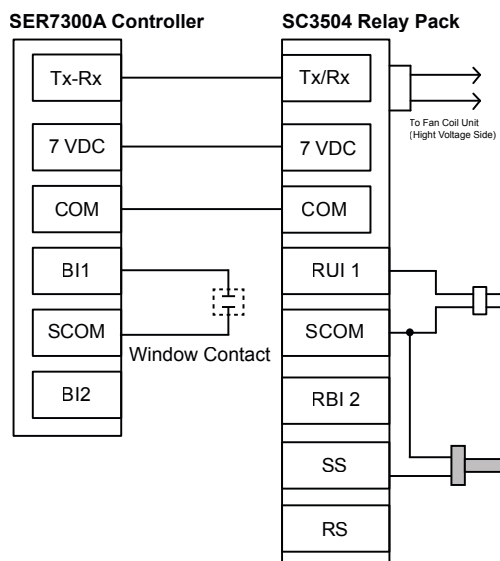
If the supply water temperature is greater than 25°C (77F), the heating valve will open to maintain room temperature. Cooling valve is closed.

Supply Air Sensor:

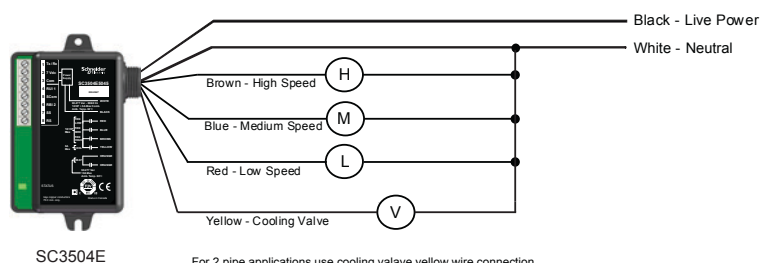
Only used for monitoring. Will be displayed automatically if sensor is connected.

Wireless Window Switch:

The window switch will automatically lock out heating/cooling when window is opened.



Typical Wiring Example for SC Relay Pack



For 2 pipe applications use cooling valve yellow wire connection

For electric reheat applications where current draw is under above 10A use a line powered coil pilot duty relay contactor for the heating element in place of the heating valve.

Options

BACnet and Wireless communication models available (see Appendix B for network wiring).

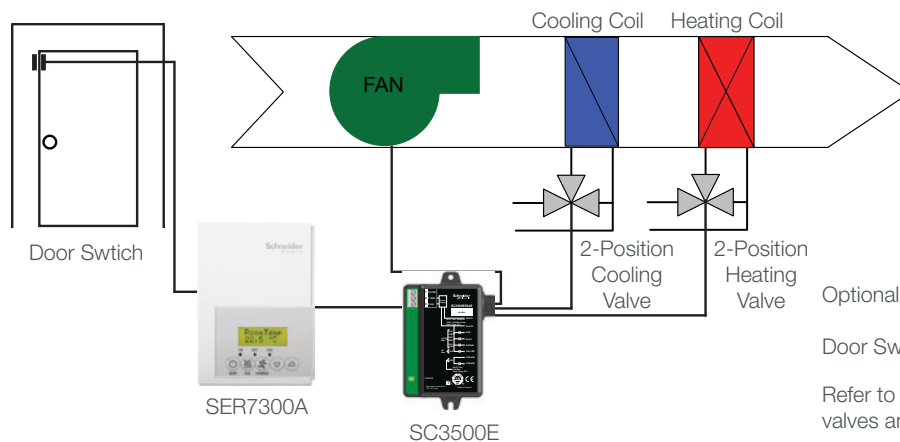
Models available with factory installed PIR cover.

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.

SER7300A5045 - SC3500E5045: Heating/cooling: 4-pipe fan coil unit with 3-speed fan, 2-position valves with wired door switch



Optional PIR cover: COV-PIR-FCU-C-5045.

Door Switch: Generic wired door switch.

Refer to Schneider Electric Catalogue for valves and actuators.

Configuration parameter name	Configuration settings
PswrdSet	0 is factory set, range is: 0-1000
BI1	Door
BI2	None
RUI1	None
RBI2	None
MenuScro	ON
AutoMode	ON
C or F	As per user. Default value = °F
%RH disp	OFF
Lockout	As per user. Default value = 0 No lock
PulsedHt	OFF
Pipe No	4.0
SeqOpera	2 = Cooling / Heating 4 pipes
Fan Menu	2
DHumiLCK	ON
%RH set	As per user. Default value = 50%. Range = 30% to 95%
DehuHyst	As per user. Default value = 5%. Range = 2% to 20%
DehuCool	As per user. Default value = 100%. Range = 20% to 100%
St-By TM	0.5 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
Unocc TM	0.0 hours is factory set, range is: 0.0 to 24.0 hours in 0.5hr increments
St-By HT	69 °F is factory set, range is: 40 to 90 °F (4.5 to 32.0 °C)
St-By CL	78 °F is factory set, range is: 54 to 100 °F (12.0 to 37.5 °C)
Unocc HT	As per user. Default value = 62 °F (17 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
Unocc CL	As per user. Default value = 80 °F (27 °C). Range = 54 to 100 °F (12 to 37.5 °C)
heat max	As per user. Default value = 90 °F (32 °C). Range = 40 to 90 °F (4.5 to 32.0 °C)
cool min	As per user. Default value = 54 °F (12 °C). Range = 54 to 100 °F (12 to 37.5 °C)
Pband	3 °F is factory set, range is: 2 to 10 °F (0.6 to 5.6 °C)
Set Type	Permanent
SptFunc	Dual Stp or AttchStp
TOccTime	As per user. Default value 2 hours. Range = 0 to 24 hours
deadband	As per user. Default value 2.0 °F (1.0 °C).
cal RS	0 °F or °C
cal RH	0 °F or °C
Auto Fan	AS or AS AD
Cool cph	As per user. 4 to 8 CPH
Heat cph	As per user. 4 to 8 CPH
CoolNoNc	NC
HeatNoNc	NC
Fan Cont	ON

Sequence of operation and wiring

Occupied Mode:

Setpoints will revert to those defined by occupied cooling and heating.

Stand-by Mode (only available when PIR motion detector cover is used):

Setpoints will revert to those defined by stand-by cooling and heating.

Unoccupied Mode:

Setpoints will revert to those defined by unoccupied heating and cooling.

Occupied Override Mode:

The system will revert to occupied mode for the duration determined by the "ToccTime" parameter.

On a call for cool:

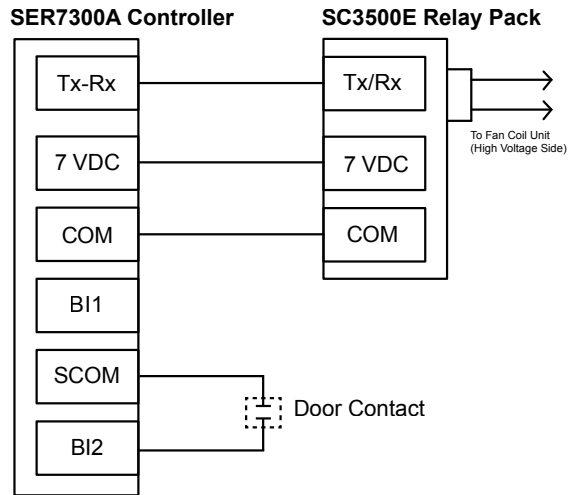
Cooling valve will open to maintain room temperature. Heating valve is closed.

On a call for heat:

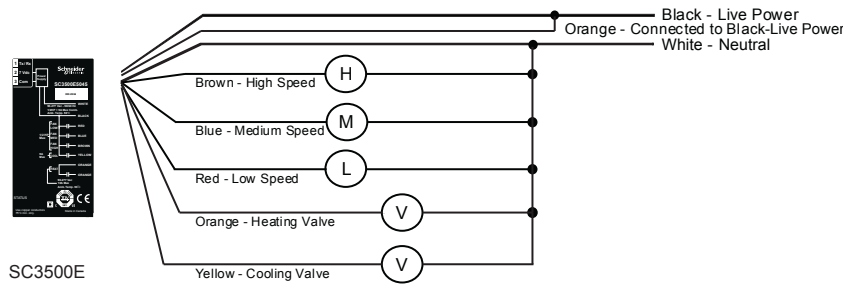
Heating valve will open to maintain room temperature. Cooling valve is closed.

Door Switch:

The door switch will automatically toggle occupancy.



Typical Wiring Example for SC Relay Pack



For 2 pipe applications use cooling valve yellow wire connection

For electric reheat applications where current draw is under above 10A use a line powered coil pilot duty relay contactor for the heating element in place of the heating valve.

Options

BACnet and Wireless communication models available (see Appendix B for network wiring).

Models available with factory installed PIR cover.

Remote wall mount or duct sensor ready.

Can be configured for 2 pipe systems (with changeover).

Binary inputs can be configured to control occupancy via door or window contact, remote night setback or to provide alarms for service or filter monitoring / Universal input can be configured for a changeover sensor.



Check in to comfort. Check out the savings.

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



Appendix A - Passive infra-red (PIR) motion detector cover specifications

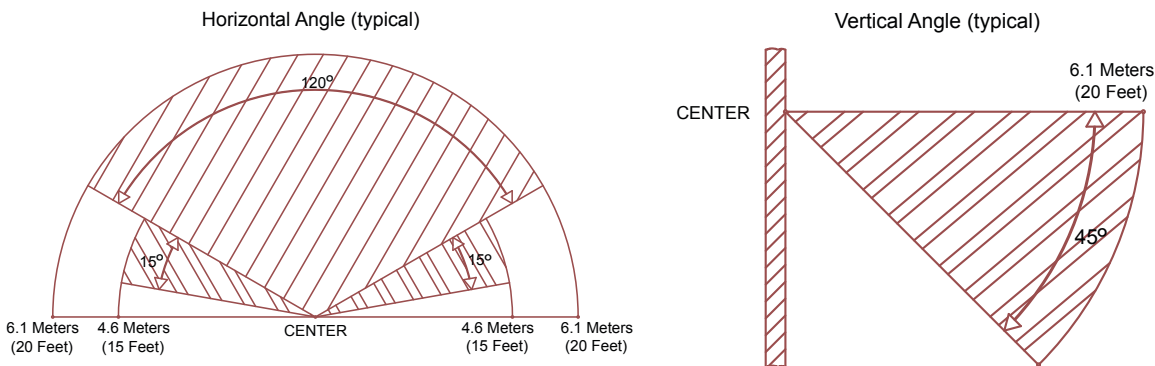
PIR cover sequence of operation

Initially, the controller is in Stand-by mode. Stand-by setpoints are used at the controller. As soon as the PIR detects a movement or motion, the Occupancy status switches to Occupied and the Stand-By Time timer is reset. The Occupied setpoints are used. If no motion is detected in the room for the entire Stand-By Time duration (adjustable parameter), the room then switches to Stand-by mode and stand-by setpoints are used. While in Stand-by mode, if no motion is detected for the entire Unoccupied Time period (adjustable parameter), the room switches to Unoccupied mode and uses its Unoccupied setpoints. While in Stand-By or Unoccupied mode, any motion will switch the room back to Occupied mode.

PIR cover accessory

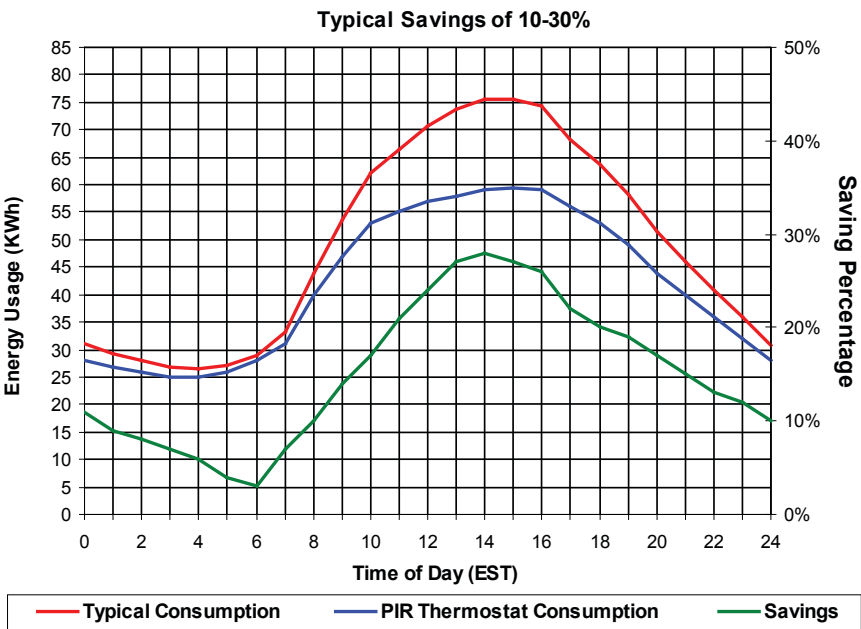
PIR Ready Controllers	Part Number
SE(R)73x0X5045 (Commercial)	COV-PIR-FCU-C-5045
SE(R)73x5X5045 (Hospitality/Lodging)	COV-PIR-FCU-L-5045

Typical Detection Pattern for PIR Lens



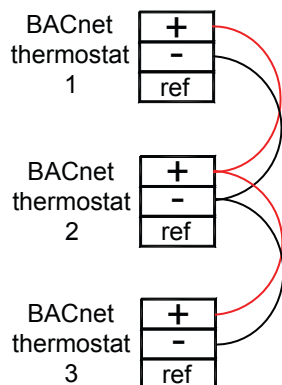
Energy savings

The PIR can maximize your energy saving from 10-30% by relaxing temperature set points in unoccupied zones during scheduled periods.



Appendix B - option network wiring if communicating models are used

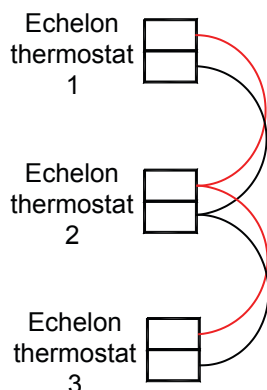
BACnet communication wiring



Notes:

- Wiring should be daisy chained
- Respect polarity
- If using 2 conductors shielded wires, connect the shield of each feed together on the back of the controller. ONLY ground the shield at one location. DO NOT connect the shield to the ref terminal.

Echelon communication wiring



Notes:

- No polarity

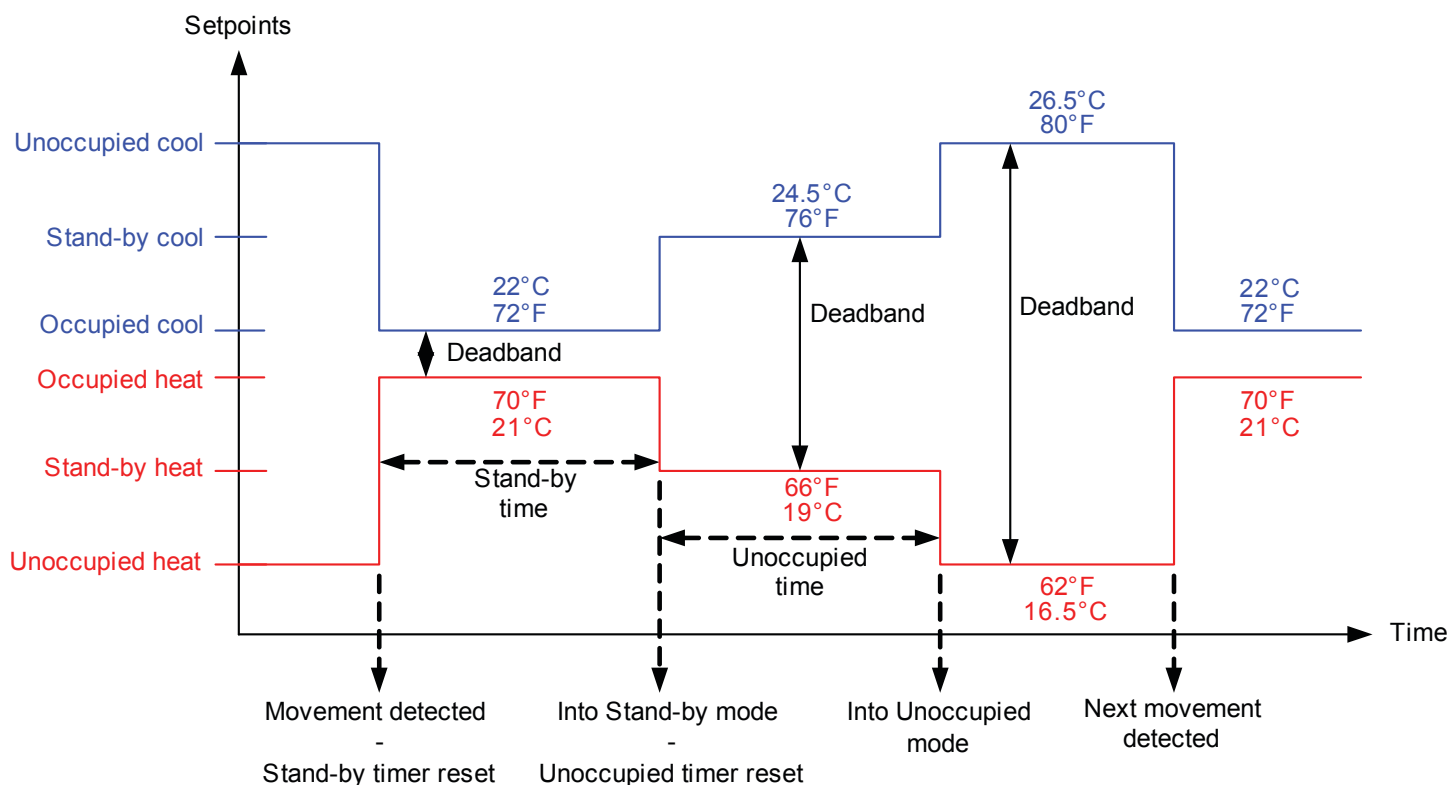
Wireless communication



Notes:

- No communication wires needed

Appendix C - controllers' occupancy sequence of operation schematic



Appendix D - VWA5000 series - wireless door & window switch

Wireless door & window switch

Wireless door switches used with the local PIR cover provide advanced local occupancy routines allowing for increased energy savings during occupied hours without sacrificing occupant comfort.

The wireless switches are only compatible with the SER7300 Series Controllers.

Wireless window switches are used to monitor outside windows and or patio and balcony doors being opened or closed. This allows preventing unnecessary energy consumption by the tenants.

Typical applications of Fan Coil Terminal Equipment Controllers with VWA5000W series Zigbee™ wireless switches can be used in network ready mode with or without integration to a central management system to allow for advanced functions such as central reservation occupancy functions.

A combination of up to twenty VWA5000W door and or window switches can be used simultaneously with a single Fan Coil Terminal Equipment Controller.

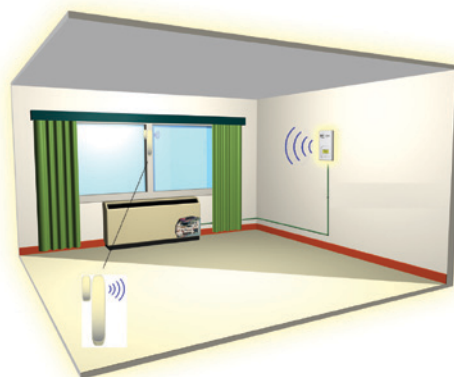
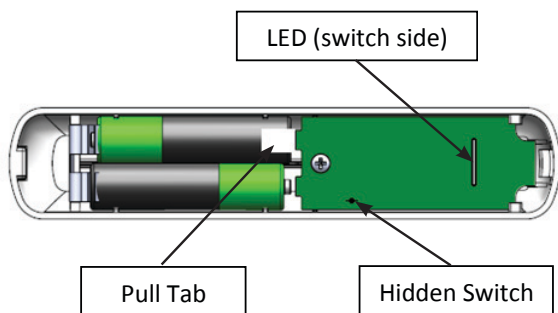
The VWA5000W switches are factory delivered with 2 AAA batteries and are ready to be installed, configured and used right out of the box. Due to the extremely small current consumption of the switches, the expected battery life is approximately 10 years and is equivalent to the battery shelf life.

No tools are required for commissioning or servicing the door switch. A very simple interface with an on-board LED & hidden switch provide all the required functions for local interaction. Local information for battery life and connectivity (heartbeat) are provided at the Fan Coil Terminal Equipment Controller local display level or through the Zigbee™ wireless network. Each switch is also factory supplied with a magnet, a locking security tamper proof screw and self tapping mounting screws for installation.

Model selection

Window Switch	Door Switch
VWA5045W5045W	VWA5045D5045W

Simple & quick installation



Specifications

Power requirements: 3.0 VDC 2 x AAA batteries. Factory supplied

Operating conditions: 0 °C to 50 °C (32 °F to 122 °F)
0% to 95% R.H. non-condensing

Storage conditions: -30 °C to 65 °C (-22 °F to 122 °F)
0% to 95% R.H. non-condensing

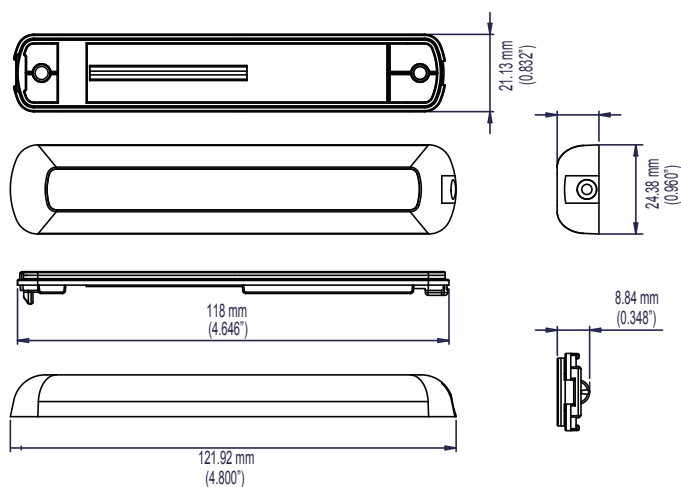
Agency Approvals all models

CE: RTTE 1999/5/EC

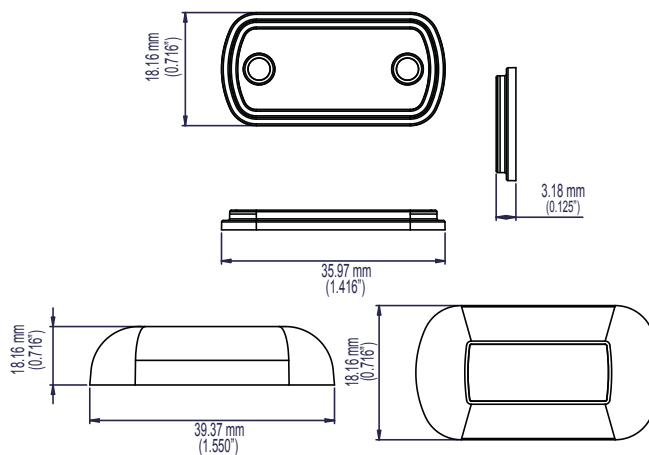
Agency Approvals Wireless models

FCC: Compliant to: Part 15, Subpart CT

Dimensions



Switch & Switch base Dimensions



Magnet & Magnet Dimensions

Appendix E - SER7300 controller & SC3000 relay pack

Product overview

The SER7300 Fan Coil Controller offers a new cost-effective solution for upgrading line-voltage fan coil unit thermostats. The SER7300 terminal Equipment Fan Coil Unit Controllers are available as Network Ready, BACnet MSTP or wireless ZigBee networked models.

No previous building automation training is required for the easy installation and commissioning process. Installation can be completed in approximately fifteen minutes, reducing costs and providing increased savings.

The SC3000 Series Line Voltage Switching Transformer Relay Pack Controllers has been designed for silent control of typical high voltage fan coil device loads (90 to 277 VAC multi-voltages capable).

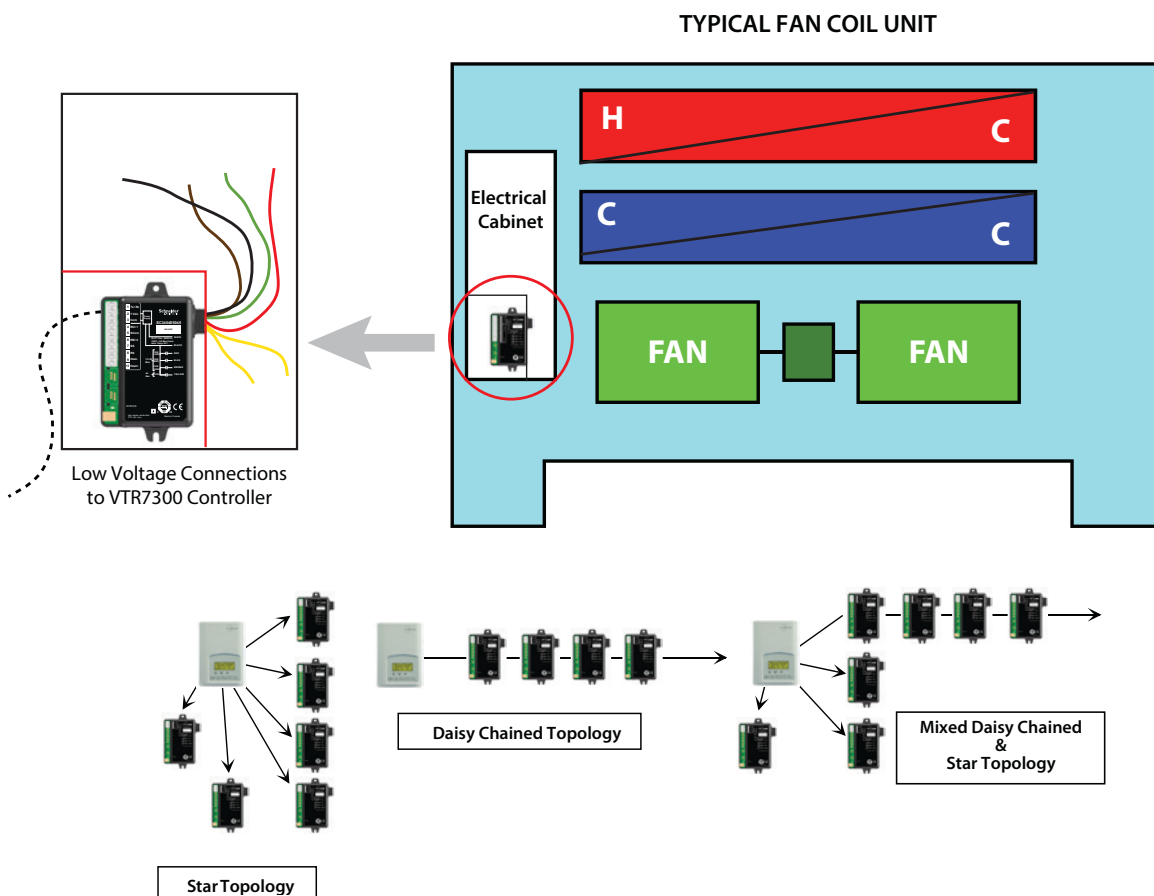
It uses advanced microprocessor-based circuitry with a built-in transformer that eliminates all typical required peripheral components when automating a Fan Coil unit with traditional building automation systems.

The SC3000 Series Line Voltage Switching Transformer Relay Pack(s) operate as slave unit(s) under the control of a single master SER73XX Terminal Equipment Controller.

A single SER73XX Terminal Equipment Controller can control up to 10x SC3000 Series Relay Pack. The SC3000 Series Relay Packs are line-powered units.

The extremely compact unit locally contains all the relay outputs for fan switching and valve control. Models are also available for extra monitoring / control inputs of the Fan Coil Units.

Typical fan coil unit setup



Relay pack specifications

Power Supply: 90 to 277 VAC universal, 50-60 Hz

Fan line voltage contact electrical ratings: Brown, Blue, Red wires ½ HP maximum

Main heat and cool line voltage contact electrical ratings: Yellow wire 10A maximum

Isolated heat line voltage contact electrical ratings: Orange wires 10A maximum

Output ratings:

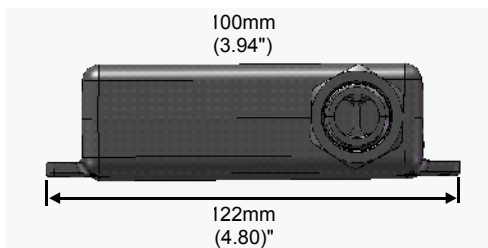
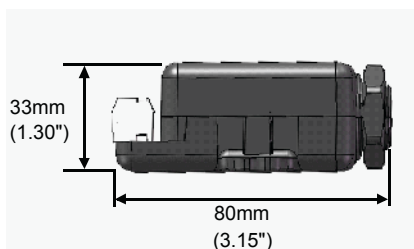
- Heat Valve: (Orange wire): 10 Amps @ 277 VAC maximum
- Cool Valve: (Yellow wire): 5 Amps @ 277 VAC maximum
- Fan: (red, blue, brown wire(s)): 0.37 kW (1/2 HP) @ 277 VAC maximum

Operating conditions: 0C to 50C (32F to 122F)
0% to 95% RH non-condensing

Approximate shipping weight: 0.75lb (0.34kg)

Agency approvals all models:
cTUVus: UL 873 (US) and CSA C22.2 No. 24 (Canada)
CE: LVD 2006/95/EC (Europe Union)
CE: EMC 2004/108/EC (Europe Union)
CE for RF: RTTE 1999/5/EC
FCC: Compliant to: Part 15, Subpart B
FCC for RF: Compliant to: Part 15, Subpart C

Dimensions



Appendix F - SE7300 low voltage fan coil controller

Product overview

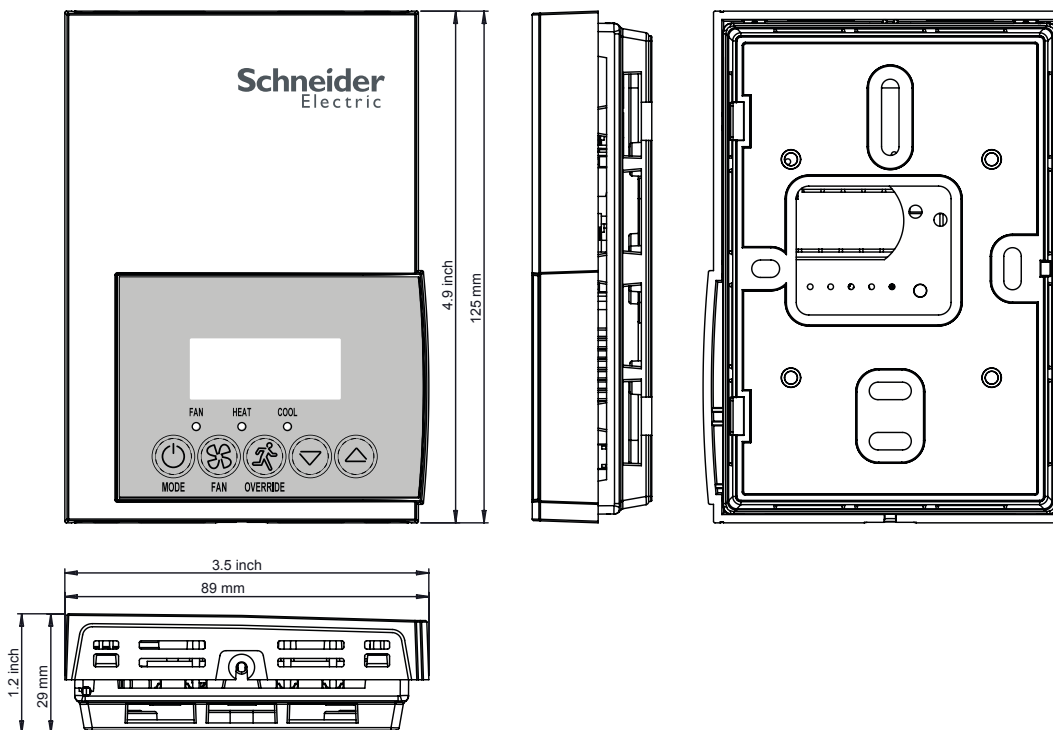
The SE7300 PI controller family is specifically designed for fan coil control. The product features a backlit LCD display with dedicated function menu buttons for simple operation. Accurate temperature control is achieved due to the product's PI proportional control algorithm, which virtually eliminates temperature offset associated with traditional, differential-based thermostats.

Models are available for On/Off, 3 point floating and Analogue 0 to 10 VDC control and can control up to three fan speed. Three additional inputs are also provided for monitoring and / or various advanced functions.

All models feature configurable System and Fan button functions to meet all possible applications. They all contain an SPST auxiliary switch that can be used to control lighting or auxiliary reheat.

The controllers are also compatible with optional PIR cover accessories. Controllers equipped with a PIR cover provide advanced active occupancy logic, which will automatically switch occupancy levels from Occupied to Stand-By and Unoccupied as required by local activity being present or not. This advanced occupancy functionality provides advantageous energy savings during occupied hours without sacrificing occupant comfort. All controllers can be ordered with or without a PIR cover.

Dimensions of SE7300 & SER7300 controllers



Specifications for SE7300 & SER7300 controllers

Controller power requirements:	19-30 VAC 50 or 60 Hz; 2 VA Class 2 (SE7300) 7 VDC +/- 10% 2.4 Watts minimum (SER7300)
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
Temperature sensor:	Local 10 K NTC thermistor
Temperature sensor resolution:	± 0.1 °C (± 0.2 °F)
Temperature control accuracy:	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F) typical calibrated
Humidity sensor and calibration:	Single point calibrated bulk polymer type sensor
Humidity sensor precision:	Reading range from 10-90 % R.H. non-condensing 10 to 20% precision is 10% 20% to 80% precision is 5% 80% to 90% precision is 10%
Humidity sensor stability:	Less than 1.0 % yearly (typical drift)
Dehumidification setpoint range:	30% to 95% R.H.
Occ, Stand-By and Unocc cooling setpoint range:	12.0 to 37.5 °C (54 to 100 °F)
Occ, Stand-By and Unocc heating setpoint range:	4.5 °C to 32 °C (40 °F to 90 °F)
Room and outdoor air temperature display range:	-40 °C to 50 °C (-40 °F to 122 °F)
Proportional band for room temperature control:	Cooling & Heating: 1.8°C (3.2°F)
Binary inputs:	Dry contact across terminal BI1, BI2 & UI3 to Scom
Contact output rating:	Fan relay output: 30 VAC, 1 Amp. Maximum, 3 Amp. in-rush Valve triac output: 30 VAC, 1 Amp. Maximum, 3 Amp. in-rush Valve Analogue: 0 to 10 VDC into 2Kohm resistance min.
Wire gauge:	18 gauge maximum, 22 gauge recommended
Dimensions:	4.94" x 3.38" x 1.13"
Approximate shipping weight:	0.75 lb (0.34 kg)
Agency Approvals all models:	UL: UL 873 (US) and CSA C22.2 No. 24 (Canada), File E27734 with CCN XAPX (US) and XAPX7 (Canada) Industry Canada: ICES-003 (Canada)
Agency Approvals all models:	FCC: Compliant to CFR 47, Part 15, Subpart B, Class A (US) CE: EMC Directive 89/336/EEC (Europe Union) C-Tick: AS/NZS CISPR 22 Compliant (Australia / New Zealand) Supplier Code Number N10696
Agency Approvals Wireless models FCC:	Compliant to: Part 15, Subpart C



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