

THERMOSTATS & CONTROLLERS

ZONE THERMOSTATS AND FCU THERMOSTATS SE7200, SE7300 SERIES



Schneider
Electric

DESCRIPTION

The **Schneider Electric SE7200 Zone thermostats** are digital-display, heating / cooling, with outputs for two-position, floating, and proportional terminal unit control. They are ideal for baseboard heat, unit heaters, radiant panels, reheat, or VAV box (pressure-dependent) control. **SE7300 Series Fan Coil Unit (FCU) thermostats** are digital-display, heating / cooling, with outputs for two-position, floating, or proportional control. In addition, they include multispeed fan relays for high, medium, and low fan speed control. Both thermostats offer remote temperature sensor and remote digital inputs configured for night setback, filter alarm, motion sensor, door/window switch, or service indication.

FEATURES

- **Zone or FCU control models**
- **Two-position, floating, or proportional models**
- **Remote room sensor option**
- **Adjustable deadband**
- **Setpoint range limits (heating and cooling)**
- **Three configurable inputs for any of: night setback, setback override, motion sensor, door or window switch, filter alarm, service advisory, heat/cool changeover**



SE7305C50xx
FCU Thermostat



SE7200C50xx
Zone Thermostat



- °F/°C (configurable)
- Display offset
- Adjustable temporary occupied time
- Heat, cool, and reheat time base outputs are configurable
- Direct or reverse acting (proportional models)
- Keypad lockout functions
- Dehumidification control models
- Three-speed fan control (FCU model)
- Selectable system control (FCU model)

SPECIFICATIONS			
Supply Voltage	19-30 VAC @ 2 VA, 50/60 Hz	Cycles Per Hour	Adjustable 3 to 8
Display	Two-line backlit LCD, ±0.2°F (0.1°C)	Override Timer	0 to 24 hours, 1-hour increments, pushbutton reset
Control Accuracy	Temperature, ±0.9°F (±0.5°C)	Sensor Offset	Adjustable ±5°F (±2.5°C), ±15% RH (humidity models)
SE7355C50xx, SE7355F50xx	Dehumidification, ±5% RH from 20 to 80%	Deadband Setpoint	Adjustable 2° to 5°F (1° to 2.5°C) Adjusted depending on heating or cooling mode, heating and cooling setpoints are changed simultaneously with respect to the deadband
Thermostat Type	Zone (SE7200) or FCU (SE7300)	Cooling Limits	54° to 100°F (12° to 37.7°C)
Cover Controls		Heating Limits	40° to 90°F (4.5° to 32°C)
Zone Models	Up/down/override buttons Heat/Cool "on" LEDs	Keypad Lockout	Selectable system/fan/unoccupied
FCU Models	Up/down/°C-or-°F/fan/mode buttons Fan/Heat/Cool "on" LEDs	System Setting	O=off, H=heating, C=cooling, A=automatic changeover
Control Outputs	See terminal designation table	FCU Models	O/C, O/H, O/A/H/C, H/O/C
SE7200C50xx	5 triacs (H/C, 2-position or floating)	Fan Setting	L=low, M=medium, H=high, A=auto
SE7200F50xx	1 triac, 2 analog outputs (H/C proportional 0 to 10 VDC)	FCU Models	L/M/H, L/H, L/M/H/A, L/H/A, On/A
SE73(05,55)C50xx	3 relays (fan), 5 triacs (H/C, 2-position or floating control)	Mounting	Standard vertical, 2" x 4" box
SE73(05, 55)F50xx	3 relays (fan), 1 triac, 2 analog outputs (H/C proportional 0 to 10 VDC)	Wiring	18 AWG maximum, 22 AWG recommended
Triacs and Relays	30 VAC, 1A, 3A inrush	Color	White
Analog Outputs	0-10 VDC, 2K minimum impedance, direct or reverse acting	Operating Temperature	32° to 122°F (-30° to 50°C)
Auxiliary Inputs	2 digital inputs, 1 universal input, 1 remote sensor	Operating Humidity	0–95% RH non-condensing
Configurable as	Service/status reminders Door/window/motion sensor switch Filter alarm Central night setback clock Remote occupied override switch Heat/Cool changeover, contact or sensor	Enclosure Rating	NEMA 1, UL FR1, flame retardant plastic
Digital Inputs	Dry contact	Dimensions	4.94"H x 3.38"W x 1.13"D (12.5 x 8.6 x 2.9 cm)
Universal Input	Dry contact or 10K Type 2 Model 24 thermistor	Weight	0.75 lb (0.34 Kg)
Remote Sensor	Thermistor, 10K Type 2 Model 24	Approvals	UL File #E234137, CE, RoHS
Control Type	Proportional plus integral (PI)	Warranty	1 year
Proportional Band	Heating and cooling, 2°F (1.1°C)		
Floating Time Base	Adjustable, 0.5 to 9 minutes		

THERMOSTATS & CONTROLLERS

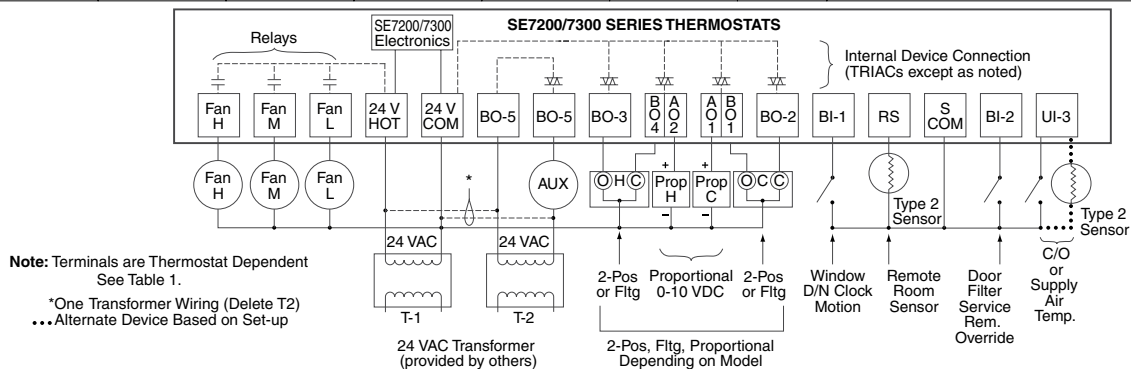
ZONE THERMOSTATS AND FCU THERMOSTATS

SE7200, SE7300 SERIES

WIRING

TABLE 1. TERMINAL DESIGNATIONS BY THERMOSTAT MODEL

ZONE THERMOSTATS		FAN COIL UNIT (FCU) THERMOSTATS				Terminal**	Thermostat Function**
SE7200C5031 2-Position or Floating	SE7200F5031 Proportional	SE7305C5031 2-Position or Floating	SE7355C5031 2-Position or Floating/RH	SE7305F5031 Proportional	SE7355F5031 Proportional/RH		
		X	X	X	X	1	High speed fan
		X	X	X	X	2	Medium speed fan
		X	X	X	X	3	Low speed fan
X	X	X	X	X	X	4	24 VAC power for thermostat, fan and BO-(1, 2, 3, 4), AO-(1, 2)
X	X	X	X	X	X	5	24 VAC common for thermostat, fan and BO-(1, 2, 3, 4), AO-(1, 2)
X	X	X	X	X	X	6	BO-5, auxiliary output, configurable (reheat, occupied, or unoccupied)
X	X	X	X	X	X	7	BO-5, auxiliary output, configurable (reheat, occupied, or unoccupied)
X		X	X			8	BO-3, open heating, (SE7200C5031, SE7355C5031)
X		X	X			9	BO-4, close heating (SE7200C5031, SE7355C5031)
X	X			X	X	9	AO-2, heating (SE7305F5031, SE7355F5031)
		X	X			10	BO-1, open cooling (SE7200C5031)
	X			X	X	10	AO-1, cooling (SE7305F5031, SE7355F5031)
X		X	X			11	BO-2, close cooling, (SE7200C5031, SE7355C5031)
X	X	X	X	X	X	12	BI-1, configurable (night setback clock, motion detector, window switch)
X	X	X	X	X	X	13	RS, remote sensor, 10 kΩ thermistor
X	X	X	X	X	X	14	SCOM, common for remote sensor, BI-(1, 2) and UI-1
X	X	X	X	X	X	15	BI-2, configurable (door, filter, service, remote override)
X	X	X	X	X	X	16	UI-3, configurable (changeover contact or sensor, supply air sensor)



ORDERING INFORMATION

MODEL	THERMOSTAT TYPE
SE7200	Zone Controller
SE7300	Fancoil Controller Commercial (Override Occupancy)
SE7305	Fancoil Controller Hospitality (Hotel/Lodging w/ Temp Scale)
SE7350	Fancoil Controller Commercial (Override Occupancy) w/ Humidity Sensor
SE7355	Fancoil Controller Hospitality (Hotel/Lodging w/Temp Scale) w/ Humidity Sensor
OUTPUTS	
C	2 floating + 1 digital (for SE7200), 2 floating + 1 auxiliary (for SE73xx)
F	2 analog + 1 digital (for SE7200), 2 analog + 1 auxiliary (for SE73xx)
COVER	
5045	Schneider logo
5545	PIR Cover w/ Schneider logo
SE7305	C 5045 Example: SE7305C5045 Hospitality fancoil controller with 2 floating and 1 auxiliary outputs with a blank cover

RELATED PRODUCTS

680-243-6
KTR24
KTR24-LED-MB
ST-D24
ST-R24SC

Changeover thermostat with conduit fitting
Remote room thermistor sensor
Remote room sensor with override button and LED
10K Type 2 duct temperature thermistor
Strap-on pipe thermistor