



Main

Range	EcoStruxure Building Expert
Product name	SE8000 Series
Device short name	SER8300
Product or component type	Room controller
Sensor type	10 kOhm T2 NTC thermistor measurement range: +/- 0.5 % Space RH sensor measurement range: +/- 5 %
Colour tint	White

Complementary

Device application	Low voltage fan coil
[Us] rated supply voltage	7 V DC +/- 10 %
Network frequency	50 Hz 60 Hz
[In] rated current	4 A
Communication port protocol	Modbus RTU BACnet MS/TP Zigbee
Function available	Changes can be made directly over display Scheduling Humidity control Economiser Scheduling for not included Fan control HVAC control Available with CO2/RH/T Brightness sensor Code lock function Easily configurable Firmware update by USB
Setpoint range cooling	12...37.5 °C for cooling 4.5...32 °C for heating
Temperature display range	-40...50 °C
Measurement accuracy	+/- 0.5 °C temperature +/- 5 % humidity (20...80 % RH non-condensing)
Discrete input type	2 dry contact
Analogue input type	5 analog input 0...10 V

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number of outputs	5 relay output 4 universal
Output voltage	24 V AC/DC 1 A relay output 0...10 V AC/DC <= 5 mA voltage output
Surface finish	Matt
Surface treatment	Untreated
AWG gauge	AWG 24...AWG 18
Width	86 mm
Depth	25 mm
Height	120 mm
Product weight	340 g
Market segment	Residential Small commercial Buildings Healthcare Lodging Hotel School Office

Environment

Dehumidification setpoint range	30...95 %
Relative humidity	0...95 %
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-30...50 °C
Standards	FCC part 15 subpart C FCC part 15 subpart B ICES-003 ETSI EN 301 489-1: v1.9.2 EN/IEC 60730-1 UL 60730-2-9 ETSI EN 301 489-17: v2.2.1, 2012 EN/IEC 60730-2-9 EN/IEC 60730-2-13 CSA E60730-2-9 UL 60730-2-13 ETSI EN 300 328: V2.1.1 RSS 247
Directives	2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive 2014/53/EU - radio equipment directive