

Product data sheet

Specifications



Roof Top Controller: BACnet MS/TP, 2H/2C, RH sensor & control, Local scheduling

SE7657B5045B

Main

Product name	SE7000 Series
Device short name	SE7600B
Product or component type	Room controller
Device application	Low voltage rooftop Staging equipment (RTU/HP)
Net weight	0.34 kg
AWG gauge	AWG 22...AWG 18
Height	124.97 mm
Product specific application	2-stage heating 2-stage cooling
Width	86.87 mm
Directives	89/336/EEC - electromagnetic compatibility
Depth	29.97 mm
Ambient air temperature for operation	-0...50 °C
Market segment	Residential
Ambient air temperature for storage	-30...50 °C
Measurement accuracy	Humidity: +/- 5 %, 20...80 % RH (non-condensing) Temperature: +/- 0.9 °F, (at 70 °F typically calibrated)
Product certifications	FCC conforming to CFR 47 part 15 class A CE C-Tick conforming to AS/NZS CISPR 22 UL listed file E27734 CCN XPAX UL listed file E27734 CCN XPAX7
Information displayed	Temperature: - 40...122 °F
Network frequency	50 Hz 60 Hz
Communication port protocol	BACnet MS/TP
Temperature setting range	4...32 °C heating -17 °C per step 12...38 °C cooling
Humidity setting range	Dehumidification: 30...95 %
Calibration certificate	1 pt
Sensor type	Single point calibrated bulk polymer RH sensor humidity 10 kOhm T2 NTC thermistor temperature

[Us] rated supply voltage	10...30 V AC 50/60 Hz
Input type	2 x dry contact
Output current	1 A digital output (maximum) 3 A digital output (inrush) <= 5 mA analog output
Output type	2 x universal
Output voltage	30 V AC for digital output 0...10 V DC for analog output
Standards	FCC part 15 Subpart B UL 873 CSA C22.2 No 24 ICES-003
Relative humidity	0...95 % RH, non-condensing
Storage Relative Humidity	0...95 % RH, non-condensing
Range	EcoStruxure Building Expert
Economizer	No
Humidity control	Yes
PIR cover	No
Scheduling	Yes

Complementary

Device presentation	Without cover
Rated operational power in VA	2 VA
Internal resistance	>= 2 kOhm
Connections - terminals	Screw terminal
Contact operation	5 standard push-button
Regulation loop	For heating: adjustable P regulator by -17 °C (factory setting) For cooling: adjustable P regulator by -17 °C (factory setting)
Accuracy	+/- 3 % for analog output
Range compatibility	EcoStruxure Building Expert communication card EcoStruxure Building Expert sensor EcoStruxure Building Expert temperature sensor EcoStruxure Building Expert relay EcoStruxure Building Expert sensor coverplate

Environment

Electrical insulation class	Class II
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.0 cm
Package 1 Width	15.0 cm
Package 1 Length	5.0 cm
Package 1 Weight	500.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration

Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Recommended replacement(s)