Product datasheet

Specifications



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

SE7657B5045B

To be discontinued

Main

Device application	Low voltage rooftop Staging equipment (RTU/HP)
Net weight	0.34 kg
Product or component type	Room controller
Product name	SE7000 Series
Device short name	SE7600B
Height	124.97 mm
Product specific application	2-stage heating 2-stage cooling
AWG gauge	22 AWG...18 AWG
Directives	89/336/EEC - electromagnetic compatibility
Width	86.87 mm
Market segment	Residential
Ambient air temperature for storage	-30…50 °C
Depth	29.97 mm
Ambient air temperature for operation	-0…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

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

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 xuniversal
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

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

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins