

Product data sheet

Specifications



Roof Top Controller: Stand Alone, 2H/2C, RH sensor & control, Local scheduling

SE7657B5045

! To be discontinued on: 31 December 2021

! To be end-of-service on: 31 December 2021

! To be discontinued

Main

Range	EcoStruxure Building Expert
Product name	SE7000 Series
Device short name	SE7600B
Product or component type	Room controller
Device application	Low voltage rooftop Staging equipment (RTU/HP)
Product specific application	2-stage heating 2-stage cooling
Sensor type	Humidity: single point calibrated bulk polymer RH sensor Temperature: 10 kOhm T2 NTC thermistor
PIR cover	Without cover
Output current	1 A digital output (maximum) 3 A digital output (inrush) <= 5 mA analog output
Economizer	No
Humidity control	Yes
PIR cover	No
Scheduling	Yes

Complementary

Range compatibility	communication card sensor temperature sensor relay sensor coverplate
[Us] rated supply voltage	10...30 V AC 50/60 Hz
Rated operational power in VA	2 VA
Electrical insulation class	Class II
Network frequency	60 Hz 50 Hz
Communication port protocol	Standalone (network ready)
Temperature setting range	4...32 °C heating -17 °C per step 12...38 °C cooling
Information displayed	Temperature: - 40...122 °F

Control accuracy	Humidity: +/- 5 %, 20...80 % RH (non-condensing) Temperature: +/- 0.9 °F, (at 70 °F typically calibrated)
Input type	2 x dry contact
Output type	2 universal
Output rating	>= 2 kOhm
Output rating	30 V AC for digital output 0...10 V DC for analog output
Humidification output accuracy	+/- 3 % for analog output
Proportional band	For heating: adjustable P regulator by -17 °C (factory setting) For cooling: adjustable P regulator by -17 °C (factory setting)
Contact operation	5 standard push-button
AWG gauge	AWG 22...AWG 18
Connections - terminals	Screw terminal
Calibration certificate	1 pt
Width	86.87 mm
Depth	29.97 mm
Height	124.97 mm
Net weight	0.34 kg

Environment

Setting range	Dehumidification: 30...95 %
Relative humidity	0...95 % RH, non-condensing
Storage Relative Humidity	RH, non-condensing 0...95 %
Ambient air temperature for operation	-0...50 °C
Ambient air temperature for storage	-30...50 °C
Standards	FCC part 15 subpart B UL 873 CSA C22.2 No 24 ICES-003
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
Directives	89/336/EEC - electromagnetic compatibility

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	500 g
Package 1 Height	10 cm
Package 1 width	15 cm
Package 1 Length	5 cm

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
