

Product data sheet

Characteristics

SE7657B5045W

EBE - RTU controller - Zigbee - RH sensor +scheduling - 2H/2C



Main

Range	EcoStruxure Building Expert
Product name	SE7000 Series
Device short name	SE7600B
Product or component type	Room controller
Device application	Low voltage rooftop
Product specific application	2-stage cooling 2-stage heating
Sensor type	Single point calibrated bulk polymer RH sensor measurement range: +/- 5 % 10 kOhm T2 NTC thermistor measurement range: +/- 0.2 °F
PIR cover	Without cover

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	50 Hz 60 Hz
Communication port protocol	Zigbee
Function available	Humidity control Scheduling
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)
Number of inputs	2 dry contact
Number of outputs	2 universal
Output rating	For digital output: 30 V AC, 1 A (maximum)

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

For digital output: 30 V AC, 3 A (inrush)
For analog output: 0...10 V DC, <= 5 mA into >= 2 kOhm

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
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 %, non-condensing (operating) 0...95 %, non-condensing (storage)
Ambient air temperature for operation	-0...50 °C
Ambient air temperature for storage	-30...50 °C
Standards	UL 873 CSA C22.2 No 24 ICES-003 FCC part 15 subpart C
Product certifications	CE C-Tick conforming to AS/NZS CISPR 22 UL listed file E27734 CCN XPAX UL listed file E27734 CCN XPAX7 FCC conforming to CFR 47 part 15
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