

Wiser Air™ Thermostat

Technical Data Sheet

Insert marketing spiel here.



Wiser Air Room Controller Features



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Introduction

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Application specific and programmable

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Touch screen with customizable user experience

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Selectable languages

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Optional passive infrared motion sensor

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AT A GLANCE

Custom design

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Options and accessories

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Wiser Air Room Controller Features

Product Highlights

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Supported Networking Protocols

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Integration to Schneider Electric Systems

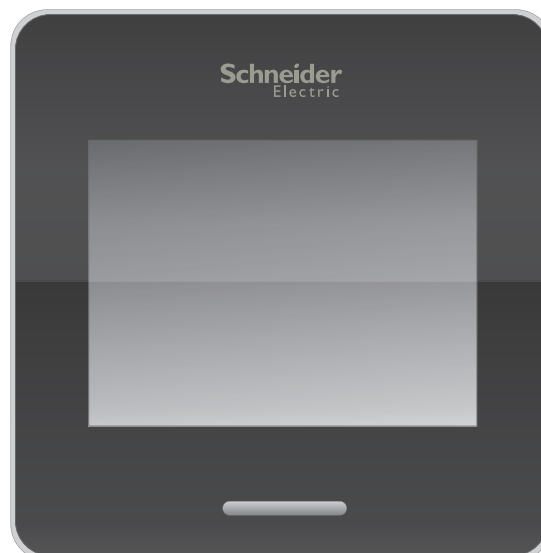
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Architects can custom match styling to decor

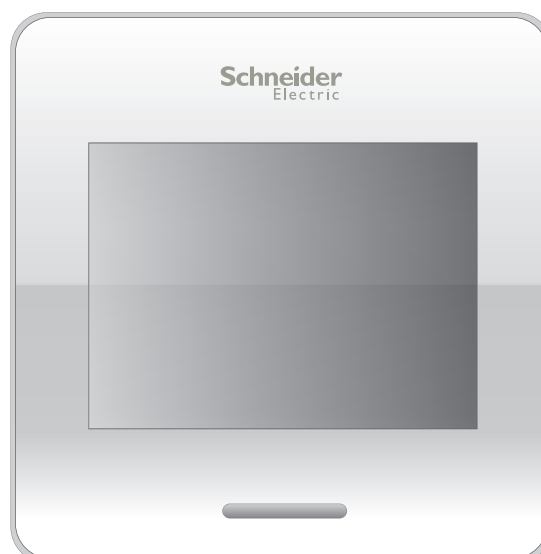
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Models

Black



White



Wiser Air Specifications

Specifications

Dimensions - Main Unit

10cm/4in (H) x 10cm/4in (W) x 3cm/1.2in (D)

Dimensions - Trim Plate

12cm/4.8in (H) x 16cm/6.3in (W) x 0.3cm/0.1in (D)

Power Requirements

Input: 24Vac $\pm 15\%$, 50/60Hz

Device consumption: 6 VA

Maximum rating: 100 VA, 4.17 A

Class 2 circuits only

Output Ratings

Maximum total output: 94 VA

Relay rating: 24 Vac 50/60Hz, 1.0 Amp., in-rush = 3.0 Amp; pins G, W, W2, Y, Y2, U, O/B

Class 2 circuits only

Operating Conditions

0 °C - 50 °C (32 °F - 122 °F)

0% - 75% R.H. non-condensing

Storage Conditions

-30 °C - 50 °C (-22 °F - 122 °F)

0% - 75% R.H. non-condensing

Indoor, Dry, Pollution Degree 2

Temperature Sensor Resolution

± 0.1 °C (± 0.2 °F)

Temperature Control Accuracy

± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F) typical calibrated

Humidity Sensor and Calibration

Single point calibrated bulk polymer type sensor

Humidity Sensor Precision

Reading range from 10-90 % R.H. non-condensing

10 to 20% precision: 10%

20% to 80% precision: 5%

80% to 90% precision: 10%

Humidity Sensor Stability

Less than 1.0 % yearly (typical drift)

Dehumidification Setpoint Range

30% - 95% R.H.

Occ, Stand-By and Unocc Cooling

Setpoint Range

12.0 - 37.5 °C (54 - 100 °F)

Occ, Stand-By and Unocc Heating

Setpoint Range

4.5 °C - 32 °C (40 °F - 90 °F)

Room and Outdoor Air Temperature

Display Range

-40 °C - 50 °C (-40 °F - 122 °F)

Proportional Band for Room Temperature control

Cooling and Heating: Default: 1.8°C (3.2°F)

Remote Temperature Sensor Requirements

10 K NTC type 2 thermistor

Wire Gauge

18 - 22 AWG

Approximate Shipping Weight

0.34 kg (0.75 lb)

Safety Standards All Models

LVD Directive 2006/95/EC

EN 60730-1

UL 873, UL 916

CSA C22.2 No. 24-93

EMC Standards All Models

EMC Directive 2004/108/EC

EN 60730-1

FCC 15 Subpart B

ICES-003

Radio Standards (Wireless Models)

R&TTE Directive 1999/5/EC

ETSI EN 300 328 V1.8.1

ETSI EN 301 489-1 V1.9.2

ETSI EN 301 328 V1.8.1

FCC 15 Subpart C

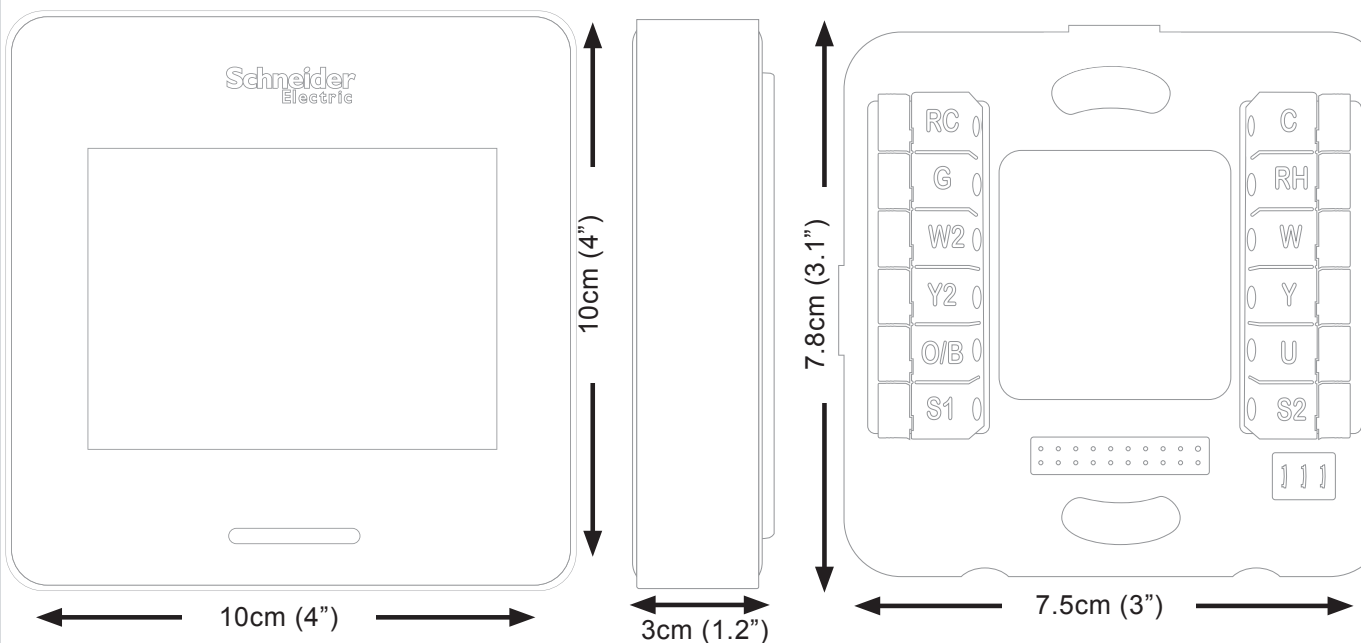
RSS 210

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.



Check with your local government for instruction on disposal of these products.

Dimensions



Regulatory Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference
- this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- this device may not cause interference
- this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not approved by the manufacturer could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.

No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.