

# SER8350A0B11

Line-Voltage Fan Coil Room Controller:  
BACnet MS/TP, RH sensor & control, White  
Case/Fascia





## Main

|                                       |                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Application                    | Line voltage fan coil                                                                                                                                                     |
| Net Weight                            | 11.99 oz (340 g)                                                                                                                                                          |
| Product or Component Type             | Room controller                                                                                                                                                           |
| Product name                          | SE8000 Series                                                                                                                                                             |
| Device short name                     | SER8300                                                                                                                                                                   |
| Height                                | 4.72 in (120 mm)                                                                                                                                                          |
| AWG Gauge                             | AWG 24...AWG 18                                                                                                                                                           |
| Targeted region                       | North America.                                                                                                                                                            |
| Directives                            | 2014/30/EU - electromagnetic compatibility<br>2014/35/EU - low voltage directive<br>2014/53/EU - radio equipment directive                                                |
| Humidity Measurement Drift            | Less Than 1 % Yearly                                                                                                                                                      |
| Line Rated Current                    | 4 A                                                                                                                                                                       |
| Width                                 | 3.39 in (86 mm)                                                                                                                                                           |
| Temperature Resolution                | 0.1 °C                                                                                                                                                                    |
| Market Segment                        | Lodging/Hotel<br>Small commercial<br>Buildings<br>Healthcare<br>Non-critical buildings<br>Office<br>Residential<br>School                                                 |
| Housing Colour                        | White                                                                                                                                                                     |
| Ambient Air Temperature for Storage   | -22...122 °F (-30...50 °C)                                                                                                                                                |
| Depth                                 | 0.98 in (25 mm)                                                                                                                                                           |
| Ambient air temperature for operation | 32...122 °F (0...50 °C)                                                                                                                                                   |
| Measurement accuracy                  | Temperature +/- 0.5 °C,<br>Humidity +/- 5 %, 20...80 % RH non-condensing)<br>Humidity +/- 10 %, 10...20 % non-condensing)<br>Humidity +/- 10 %, 80...90 % non-condensing) |
| Information displayed                 | Temperature - 40...122 °F                                                                                                                                                 |
| Network frequency                     | 50 Hz<br>60 Hz                                                                                                                                                            |
| Communication Port Protocol           | BACnet MS/TP<br>Modbus RTU                                                                                                                                                |
| Input voltage                         | 0...10 V DC                                                                                                                                                               |
| Temperature Setting Range             | 54...100 °F (12...37.5 °C) cooling<br>40...90 °F (4.5...32 °C) heating                                                                                                    |
| Calibration Certificate               | 1 Pt                                                                                                                                                                      |
| Output voltage                        | 24 V AC relay output<br>0...10 V DC analog output                                                                                                                         |
| Relative Humidity                     | 0...95 %                                                                                                                                                                  |
| Output Current                        | 1 A relay output                                                                                                                                                          |
| Input type                            | Dry contact 2<br>Analog 5                                                                                                                                                 |
| Sensor Type                           | 10 kOhm T2 NTC thermistor Temperature<br>Space RH sensor Humidity<br>Bulk polymer Humidity                                                                                |
| Output type                           | 5 xrelay output<br>4 xuniversal                                                                                                                                           |
| [Us] rated supply voltage             | 7 V DC 50/60 Hz +/- 10 %                                                                                                                                                  |

|                        |                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards              | EN/IEC 60730-1<br>FCC part 15 Subpart B<br>ICES-003<br>ETSI EN 300 328<br>ETSI EN 301 489-1:v1.9.2<br>FCC part 15 Subpart C<br>UL 60730-2-9<br>ETSI EN 301 489-17:v2.2.1, 2012 |
| Humidity setting range | 30...95 %                                                                                                                                                                      |
| Range                  | EcoStruxure Building Expert                                                                                                                                                    |
| Economizer             | Yes                                                                                                                                                                            |
| Humidity Control       | Yes                                                                                                                                                                            |
| PIR Cover              | No                                                                                                                                                                             |
| Scheduling             | No                                                                                                                                                                             |

## Complementary

|                    |                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surface treatment  | Untreated                                                                                                                                                                                       |
| Surface Finish     | Matte                                                                                                                                                                                           |
| Function available | Fan control<br>HVAC control<br>Available with CO2/RH/T<br>Brightness sensor<br>Changes can be made directly over display<br>Code lock function<br>Easily configurable<br>Firmware update by USB |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1DE1021009  |
| Discount Schedule | DE10          |
| GTIN              | 3606480771606 |
| Returnability     | Yes           |
| Country of origin | MX            |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.93 in (4.9 cm)  |
| Package 1 Width              | 4.21 in (10.7 cm) |
| Package 1 Length             | 6.10 in (15.5 cm) |
| Package 1 Weight             | 7.52 oz (213.2 g) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                    |
| California proposition 65  | WARNING: This product can expose you to chemicals including: LEAD, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                        |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                                                                                                                                                                |
| Mercury free               | Yes                                                                                                                                                                                                                                                                      |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                            |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                  |