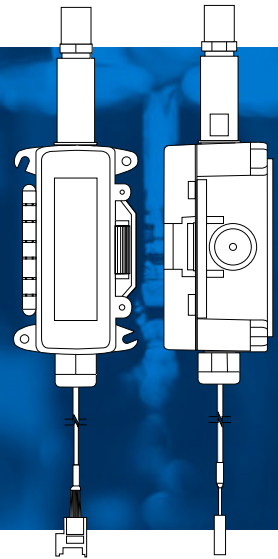




# E-BUS VERTICAL OUTDOOR AIR TEMPERATURE AND HUMIDITY SENSOR ASM01838



AAON Controls is involved in the design and selection of the sensors used with AAON units to ensure integration between sensors, controllers, software, and mechanical equipment

## PHYSICAL

### Validating Information Provided by the Sensors to the Unit Controllers

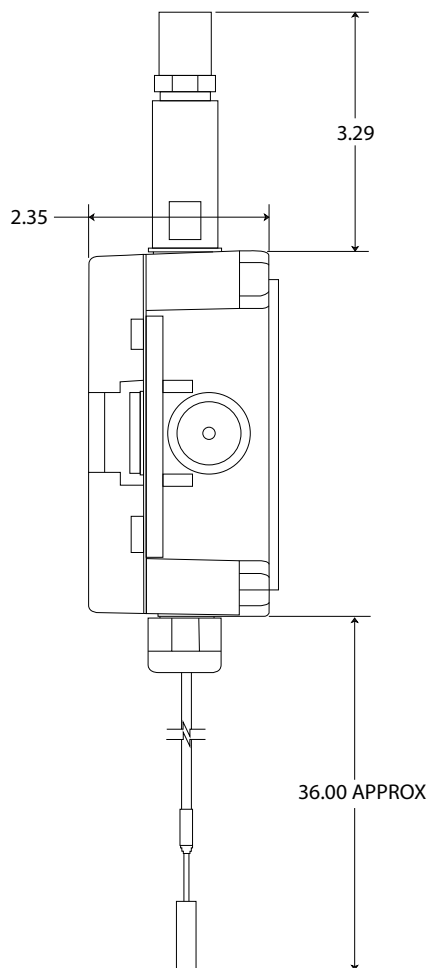
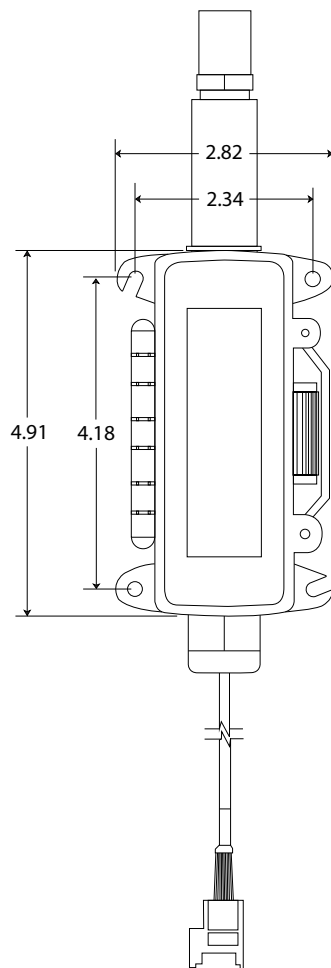
The E-BUS Vertical Outdoor Air Temperature and Humidity Sensor is a combination Outdoor Air Temperature and Outdoor Air Humidity sensor that connects to the VCCX2, VCCX-IP, VCCX-454, VCB-X, or various other AAON Unit Controllers using an E-BUS modular cable.

This sensor is used when both Outdoor Air Temperature and Humidity are needed for the Unit Controller to perform Wetbulb or Dewpoint Economizer Control. It is also used if the Unit Controller is used in a Make Up Air (MUA) or DOAS application to initiate dehumidification based on an Outdoor Air Dewpoint Setpoint.

### Electrical and Environmental

|                            |                                   |
|----------------------------|-----------------------------------|
| Sensor Element             | Digital Capacitive Sensing Device |
| Sensor Reading Range       | -40°F to 185°F,<br>RH = 0-100%    |
| Ambient Temperature Limits | -40°F to 185°F                    |
| Accuracy                   | Temp +/- 0.8°F,<br>RH +/- 3%      |
| Connection                 | E-BUS                             |
| Weight                     | 2.3 oz.                           |

Contact AAON Support for Technical Assistance  
[www.aaon.com/contact](http://www.aaon.com/contact)



## INSTALLATION

### Mounting

A 10 foot E-BUS cable (Sold Separately) plugs into the E-BUS Outdoor Air Temperature and Humidity Sensor's attached 3-foot cable and then attaches to an E-BUS Expansion port on the Unit Controller or into another available E-BUS Expansion port. The sensor should be mounted in the upright position as shown in an area that is protected from the elements and direct sunlight.

Scan the code for additional product information



E-BUS\_VERTICAL\_OUTSIDE\_AIR\_TEMP\_HUMIDITY\_SENSOR\_INSTL\_20250630