# Accessories







#### NOTICE

- This product is a Class 2 device.
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  This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it. The installer is responsible for conformance to all applicable codes

No responsibility is assumed by Veris Industries for any consequences arising out of the

# **AA10** Series

### Temperature Transmitter, Resistive to 4-20mA

#### **Product Overview**

The AA10 Series temperature-to-current transmitter is designed for use with 100R platinum, 1k platinum, 10k Type 2, and 10k Type 3 external resistive output devices. When the resistive output from the external device is connected to the AA10 input terminal, the resistive value is converted to a 4-20 mA signal compatible with most building control systems.

### Product Identification

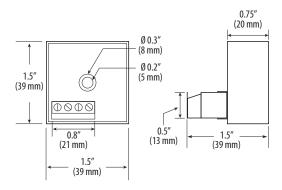
4-20mA Temperature Sensor Output Range\* Sensor Type **Bottom Range Temp** Temp Scale Top Range Temp AA10 B = 100R platinum, RTD C = Celsius = (choose a valid = (choose a valid C = 1k platinum, RTD temp value) F = Farenheit temp value) D = 10k T2, Thermistor H = 10k T3, Thermistor W = 10k T2 high accuracy, Thermistor \* Temperature output range must be whole numbers where the bottom value is less than the top value in the range. Reference the output temperature ranges Y = 10kT3 high accuracy, Thermistor information in the Specifications section below for available temperatures.

# Specifications

| Current Loop                            | Class 2; 2-wire, loop powered 4-20mA; 9-30VDC   |
|---|---|
| Transmitter Accuracy                    | ±1% of span or ±0.1°C, whichever is greater   |
|   | (does not include accuracy of resistive element in external temperature device)                                   |
| Transmitter Operating Temperature Range | -15° to 50°C (5° to 122°F)  |
| Output Temperature Ranges               | B and C sensor types: -50° to 150°C (-58° to 302°F);<br>D, H, W and Y sensor types: -25° to 105°C (-13° to 221°F) |
| Connectors                              | 2 pluggable terminal block connectors   |
| Encapsulation                           | Epoxy encapsulated  |
| Limited Warranty                        | 5 years   |



#### **Dimensions**



#### Installation

- 1. To mount the AA10 to a surface, use a #6 or #8 pan head sheet metal screw (not included). Remove the terminal block connector before mounting, as the connector may partially block access to the mounting hole.
- 2. Wire the terminal block to the external temperature device as shown. Replace the connector in the AA10 receptacle.

#### 4-20 mA Output

